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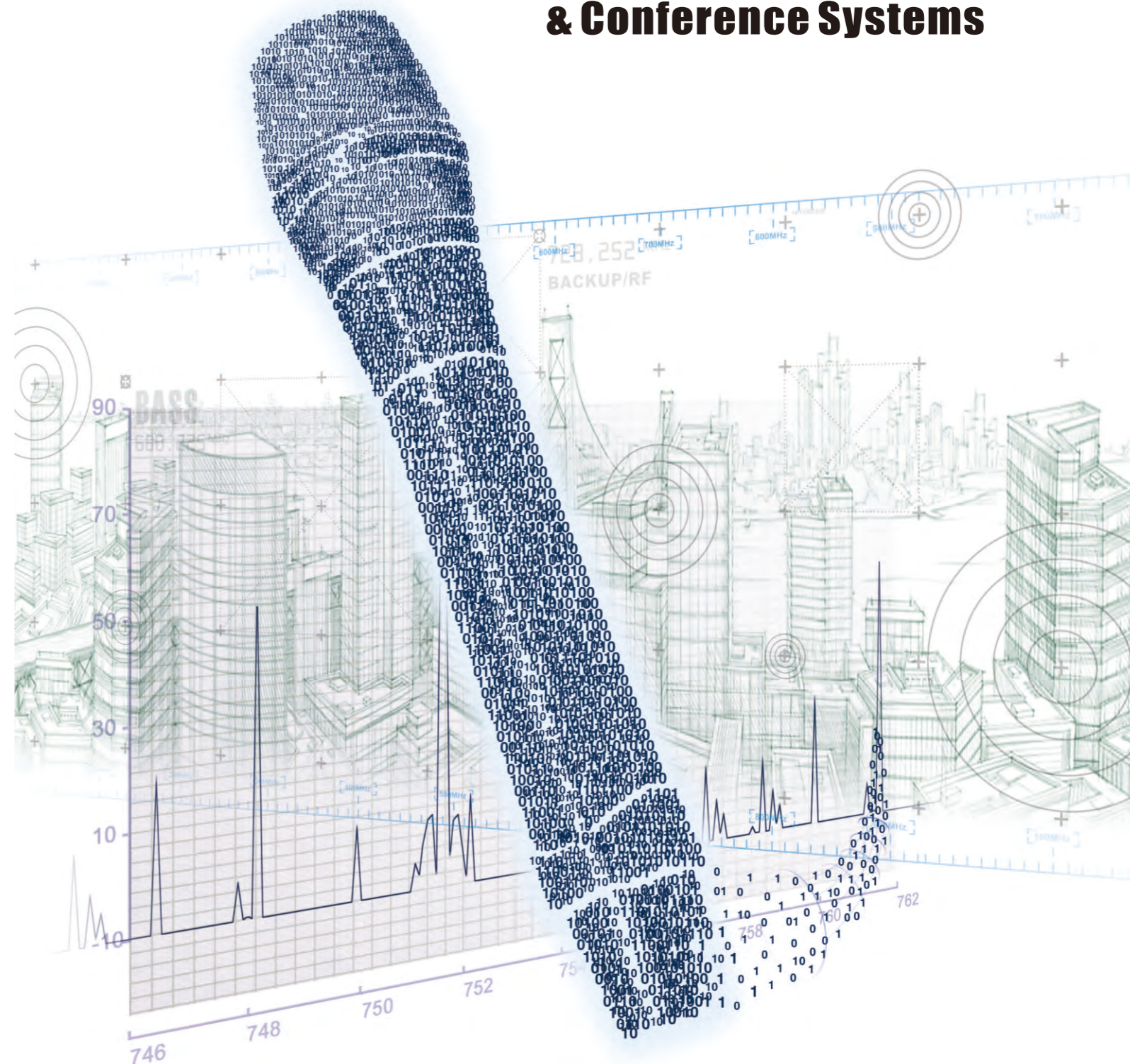
— Real Sound Always

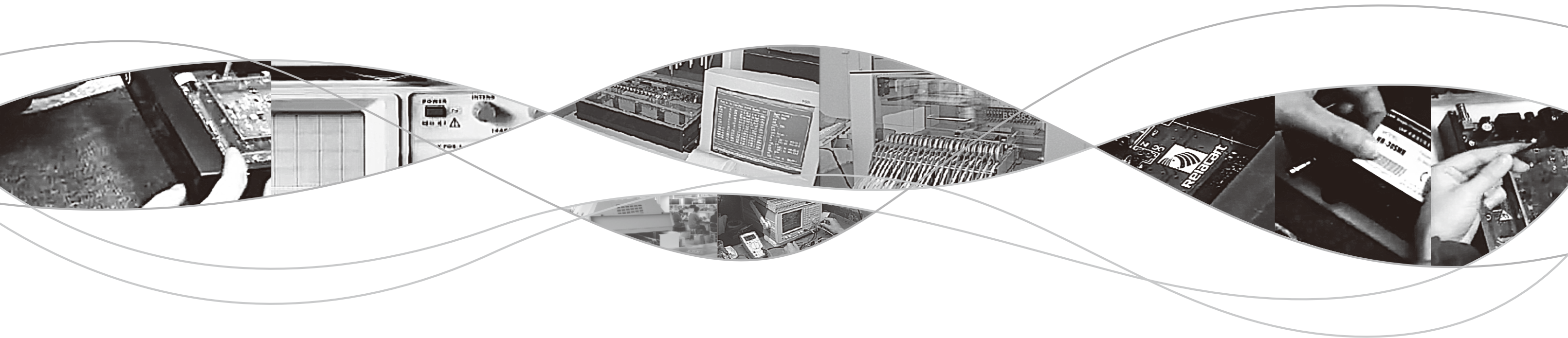


— Real Sound Always



## Professional Microphone Series & Conference Systems





## COMPANY INTRODUCTION

Relacart is a manufacturer of wireless audio system in China over 30 years experience. Relacart brand was founded in 1994, committing to R & D, design, production and sales on microphone and conference system, is a modern enterprise focus on R&D and production of professional audio equipments. Its own brand "Relacart" series of products hot sold at home and abroad, professional wireless microphones and wireless education, tour guide, conference system with the most advanced technology in China, accounted for a larger share of the market.

Relacart has a high-quality, highly educated R & D, technical service team and professional sales team, relying on modern management system, is committed to providing all kinds of wireless professional audio products for customers.

Looking to the future, we will continue to adhere to the development of quality, production scale, management professional, business, management of regional differentiation route to construct Relacart With the honest and trustworthy corporate image and mutually beneficial cooperative mode to make "Relacart" brand become a win-win bridge between you and me.



Our products make clients have the experience: Relacart microphone is good. If you want to buy a set of reliable, high performance microphone, you may choose Relacart! High performance, high quality and high technology is the reason that the client keep loyal to you. We pay great attention to the product quality, consist product quality as the base, let quality speak. Our principle mission is to improve the product reliability and strengthen the core technology

Besides the strict requirement on the quality, Relacart pay more attention to service. Relacart has been adhering to the excellence, innovative service concept, extend the service to deeper level "humanized", providing customers with a variety of free technical guidance and training, through the teaching video, real-time remote mentoring, telephone consultation, let the customer not only to learn product knowledge, but also to be learned technical knowledge, to achieve the goal of solving the problem timely and quickly at any time. Effectiveness of service make customers win its own value, and make customers win the approval of Party A. Customer satisfaction, is our infinite power!



FCC



ISO 9001



CE



CE



Relacart has been a professional wireless audio manufacturer with a history of over 30 years, as well as has been creating the sound experience for masses of users over 30 years. Relacart, a young and mature brand, is showing its unique charm. Young, compared with the century brands, he is really young, and for domestic professional audio brand more than 28 years development course, he is a mature.

With years of development, Relacart has brought the user's unique experience and loud mouth, when asked about the people of cognition Relacart is a consensus: it sounds great, strong stability, in the spread of word-of-mouth. we always believe that quality and service is very critical, so we set up R&D center in Guangzhou city, introduce high-end technical talent make the cooperation smooth from software development to hardware circuit design, to ensure the function plays well as well as the stability is consistent.

PROFESSIONAL HIGH-PERFORMANCE WIRELESS MICROPHONE SYSTEMS

- HR Series True Diversity Wireless Microphone Systems
  - Wireless Management System
- Quad-Channel True Diversity Wireless Microphone System
- True Diversity Wireless Microphone System

UR Series Antenna Diversity Wireless Microphone Systems

- 2.4G Single-Channel Tri-Diversity Wireless Microphone System
  - IEM Transmitter Antenna Combiner
  - Wireless In-ear Monitor System
  - UHF True Diversity ENG Wireless Receiver
- UHF Single Channel Camera Mount Wireless Microphone System
  - Antenna Distribution System
  - Antennas
  - Accessories

PROFESSIONAL WIRELESS MICROPHONE SYSTEMS FOR ENTERTAINMENT

ER Series True Diversity Wireless Microphone Systems

WIRED MICROPHONES

- Condenser Microphone
- Dynamic Microphone
- Small Diaphragm Condenser Microphone

INTEGRATED SYSTEMS

Dante Digital & Wireless Conference Discussion Systems

Wireless Automatic Mixers

Dante Digital & Wired Conference Discussion Systems

Wired Conference Discussion Systems

Digital Automatic Mixers with Dante Interface

- Digital Automatic Mixer
- Video Tracking System
- Digital Automatic Mixer Controller
- Wireless Tour Guide Microphone System
- Dante Networked Audio Interface
- Microphone Array System
- Dante Microphones
- Dante-enabled Networked Speakers
- Dante Microphones and Speakers Management Software
- Professional Desktop Microphones
- Gooseneck Microphone Desk Stand
- Flush-mount Microphone Socket
- Gooseneck Microphones

Wired Boundary Microphones  
Wireless Microphone Systems For Education

Accessories

DIGITAL LIVE SOUND MIXERS

- Digital Mixer
- Digital Mixer with Dante Interface

CONSUMER ELECTRONICS

- 2.4G Ultra-compact Wireless Microphone Systems
- UHF Ultra-compact Wireless Microphone Systems
- UHF Wireless Microphone System
- Wireless In-ear Monitor System
- Dynamic Podcast Microphone
- Shotgun Condenser Microphone

Audio Interface & Mixers

Accessories

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HR-32D | HR DUAL-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



The HR-32D is a dual-channel wireless microphone system integrating a spectrum analyzer and wireless audio transmission. The spectrum analyzer serves to visualize the system's frequencies, ensuring optimal controllability and stability in any performance setting, and delivering pristine, immersive sound quality. The HR-32 series combines digital audio with an analog FM radio link to provide outstanding audio quality and the exemplary RF performance of the finest analog wireless systems with the low noise and low audio distortion of digital wireless, offering 130 MHz switching bandwidth (depending on region), flexible frequency management, upgradeable RWW Wireless System Management Software, reliable, simple yet sophisticated technology, and rugged housing for protection. This fully functional and flexible wireless microphone system provides professionals with more excellent choices and fully proves Relacart's professionalism in all kinds of performances.

Key Features



Dante Network Audio Protocol

- With Dante network audio output, it can automatically identify the Dante channel of the product, and its audio signal can be output to any Dante audio equipment



AFS(Automatic Frequency Selection)

- With AFS function, can automatically search for clean and interference-free frequencies in the actual environment. Enter the setting menu and select the AFS function, and it will automatically search and lock on a interference-free in the actual working environment.



RWW Wireless Management System

- RWW Wireless System Management Software, can be connected to PC network to monitor and search for radio wave interference points in the actual environment of the scene and frequency dead spots on the stage.



DSP Audio Digital Extension

- High-speed DSP chip, 24-bit high-performance ADC, DAC and self-developed digital audio extension algorithm are used to reduce the noise caused by wireless transmission.



PLL Frequency Synthesis Oscillation Circuit

- The stable PLL phase-locked oscillation circuit, combined with the "noise detection" mute control function, can effectively block the noisy radio frequency interference in the working environment.



Signal Frequency Visualization

- The radio frequency details of the current environment can be monitored in real time on the display screen of the receiver, and the interference-free frequency can be viewed and selected through the screen.

Product Specification



HR-32D

Dual Channel Wireless Receiver

- HR-32D Dual Channel True Diversity Wireless Microphone System has innovative wireless audio technology and unique features. PLL Phase Locked Loop circuit and equipped with frequency visualization screen, making the signal is fully protected.
- With Dante network audio output.

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Dual Channel
Receiving Mode:	True Diversity
Frequency Reliability:	±0.005%(-10~50°C)
External Antenna Interface:	BNC, DC 12-18V/150mA output
External Audio Interface:	Mixed XLR output, independent channel XLR output
Ethernet Port:	Support Dante communication protocol
Receiving Frequency Band:	521.25MHz-936.85MHz
Working Mode:	PLL frequency synthesis oscillation and secondary mixing reception technology
Receiving Sensitivity:	When the offset is equal to 25KHz and 5dBu is input, S/N>60dB
Bandwidth:	Single channel 130MHz (depending on the region)
Max. Deviation:	±50KHz
Audio Sampling Rate:	96KHz 24-bit
Audio Extension:	Relacart DSP digital audio extension algorithm
Comprehensive S/N:	>105dB
Comprehensive T.H.D:	<0.7%@1KHz
Frequency Response:	65Hz ~ 18KHz ±3dB
Working Range:	100M Typical(in open space)
Power Mode:	DC 12-18V
Dimension(mm):	480(W)×43(H)×350(D)



H-32

Wireless Handheld Microphone

- Specially hardened aluminum housing provides light weight and high durability
- Detachable microphone capsule module design, can work with the latest version dynamic and condenser microphone capsule module of Relacart HR series, and the mic body is compatible with many mic capsule module with standard interface of Sennheiser.
- The high-brightness OLED display can clearly display the working status of the microphone in any scene
- Hidden button design to prevent wrong operation during use
- An illuminated light touch switch on the tail with a mute function, when the microphone is in low battery, the light will turn red and flash to remind
- The gain and RF strength of the microphone can be adjusted according to the needs of the scene through the menu of the microphone

Carrier Frequency Range:	521.25MHz~936.85MHz
Harmonic Radiation:	<45dBm
Bandwidth:	Single channel 134MHz (depending on the region)
Modulation:	FM
Audio Compression:	Relacart classic audio compression circuit
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	10mW/50mW
Battery:	Aa×2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 10 hours(alkaline)
Dimension(mm):	53(Φ) ×275(L)
Weight:	Approximately 322g(w/o battery)



T-32

Wireless Bodypack Transmitter

- The bodypack transmitter is one of the smallest mini bodypack in the world. It is made of all alloys and is light and durable.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	Aa×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 5 hours(alkaline)
Dimension(mm):	66(H)×63(W)×20(D)
Weight:	Approximately 85g(w/o battery)

# HR-32S

HR SINGLE-CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM

Dante®



The HR-32S is a single-channel wireless microphone system integrating a spectrum analyzer and wireless audio transmission. The spectrum analyzer serves to visualize the system's frequencies, ensuring optimal controllability and stability in any performance setting, and delivering pristine, immersive sound quality. The HR-32 series combines digital audio with an analog FM radio link to provide outstanding audio quality and the exemplary RF performance of the finest analog wireless systems with the low noise and low audio distortion of digital wireless, offering 130 MHz switching bandwidth (depending on region), flexible frequency management, upgradeable RWW Wireless System Management Software, reliable, simple yet sophisticated technology, and rugged housing for protection. This fully functional and flexible wireless microphone system provides professionals with more excellent choices and fully proves Relacart's professionalism in all kinds of performances.

## Key Features



### Dante Network Audio Protocol

- With Dante network audio output, it can automatically identify the Dante channel of the product, and its audio signal can be output to any Dante audio equipment



### AFS(Automatic Frequency Selection)

- With AFS function, can automatically search for clean and interference-free frequencies in the actual environment. Enter the setting menu and select the AFS function, and it will automatically search and lock on a interference-free in the actual working environment.



### RWW Wireless Management System

- RWW Wireless System Management Software, can be connected to PC network to monitor and search for radio wave interference points in the actual environment of the scene and frequency dead spots on the stage.



### DSP Audio Digital Extension

- High-speed DSP chip, 24-bit high-performance ADC, DAC and self-developed digital audio extension algorithm are used to reduce the noise caused by wireless transmission.



### PLL Frequency Synthesis Oscillation Circuit

- The stable PLL phase-locked oscillation circuit, combined with the "noise detection" mute control function, can effectively block the noisy radio frequency interference in the working environment.



### Signal Frequency Visualization

- The radio frequency details of the current environment can be monitored in real time on the display screen of the receiver, and the interference-free frequency can be viewed and selected through the screen.

## Product Specification



### HR-32S

Single Channel Wireless  
Receiver

- HR-32S Single Channel True Diversity Wireless Microphone System has innovative wireless audio technology and unique features. PLL Phase Locked Loop circuit and equipped with frequency visualization screen, making the signal is fully protected.
- With Dante network audio output.

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Single Channel
Receiving Mode:	True Diversity
Frequency Reliability:	±0.005%(-10~50°C)
External Antenna Interface:	BNC, DC 12-18V/150mA output
External Audio Interface:	Mixed XLR output, independent channel XLR output
Ethernet Port:	Support Dante communication protocol
Receiving Frequency Band:	521.25MHz-936.85MHz
Working Mode:	PLL frequency synthesis oscillation and secondary mixing reception technology
Receiving Sensitivity:	When the offset is equal to 25KHz and 5dBu is input, S/N>60dB
Bandwidth:	Single channel 130MHz (depending on the region)
Max. Deviation:	±50KHz
Audio Sampling Rate:	96KHz 24-bit
Audio Extension:	Relacart DSP digital audio extension algorithm
Comprehensive S/N:	>105dB
Comprehensive T.H.D:	<0.7%@1KHz
Frequency Response:	65Hz ~ 18KHz ±3dB
Working Range:	100M Typical(in open space)
Power Mode:	DC 12-18V
Dimension(mm):	480(W)×43(H)×350(D)



### H-32

Wireless Handheld  
Microphone

- Specially hardened aluminum housing provides light weight and high durability
- Detachable microphone capsule module design, can work with the latest version dynamic and condenser microphone capsule module of Relacart HR series, and the mic body is compatible with many mic capsule module with standard interface of Sennheiser.
- The high-brightness OLED display can clearly display the working status of the microphone in any scene
- Hidden button design to prevent wrong operation during use
- An illuminated light touch switch on the tail with a mute function, when the microphone is in low battery, the light will turn red and flash to remind
- The gain and RF strength of the microphone can be adjusted according to the needs of the scene through the menu of the microphone

Carrier Frequency Range:	521.25MHz~936.85MHz
Harmonic Radiation:	<45dBm
Bandwidth:	Single channel 134MHz (depending on the region)
Modulation:	FM
Audio Compression:	Relacart classic audio compression circuit
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	10mW/50mW
Battery:	Aa×2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 10 hours(alkaline)
Dimension(mm):	53(Φ) ×275(L)
Weight:	Approximately 322g(w/o battery)



### T-32

Wireless Bodypack  
Transmitter

- The bodypack transmitter is one of the smallest mini bodypack in the world. It is made of all alloys and is light and durable.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	Aa×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 5 hours(alkaline)
Dimension(mm):	66(H)×63(W)×20(D)
Weight:	Approximately 85g(w/o battery)

# HR-31S

HR SINGLE-CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM



HR-31S true diversity wireless microphone system is a wide bandwidth true diversity wireless audio system that designed for the large-scale live show. Powerful function, reliable performance, can get the best effect in different kinds of complicated professional performance.

## Product Specification



### HR-31S

Single Channel Wireless Receiver

- 1U Half-Rack receiver chassis, offering programmable features, with high-visibility LCD display.
- The receiver's bright LCD display the operating channel or frequency, RF and AF signal strength, transmitter battery capacity, and the ability to edit the performer's name for easy tuner control.
- Electronic Volume Control
- Antenna output with 8V DC

Main Frame Size:	1U Half-Rack
Receiving Channel:	Single Channel
Receiving Mode:	True Diversity
Frequency Reliability:	±0.005%(-10~50°C)
Bandwidth:	32MHz
Audio Output Jack:	XLR balanced socket and Φ6.3mm unbalanced socket
Antenna Socket Type:	BNC
Control Cable:	4P telephone line connect to the U485, U485 USB connect to computer.
Operation Distance:	80M typical(in open space)
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25KHz deviation
Max. Deviation:	±45KHz
Power Supply:	DC 12V/12W
Dimension(mm):	206(W)×206(D)×43(H)
Weight:	Approximately 1.0kg

## Key Features



### AFS(Automatic Frequency Selection)

- Press the "AFS"(Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



### Anti-Interference

- PLL (Phase Lock Loop frequency control) design ensures transmission reliability, "Noise Lock" squelch effectively blocks stray RF.



### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



### Super Wide Frequency Range

- 32MHz bandwidth. 1280 selectable UHF frequencies and True Diversity reception for interference-resistant operation.



### Intelligent Management

- On-board Ethernet interface for monitoring and controlling system parameters with "RWW" wireless management system.
- Intelligent volume control



### Energy Conservation

- Precision low-power circuit design, battery life is twice as common.



### H-31

Wireless Handheld Microphone

- The transmitters offer durable, magnesium bodies, soft-touch controls. Effectively protects inside PCB board components and battery holders with an ergonomic grip.
- With lock function, avoid the mistakes of the performers, to ensure reliable performance.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<20dBm
Max. Deviation:	±45KHz
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	10mW/40mW
Battery:	AA×2
Current Consumption	100mA(Typical)
Battery Current/ Life:	Approximately 10 hours(alkaline)
Dimension(mm)	53(Φ)×265(L)
Weight:	Approximately 312g(w/o battery)

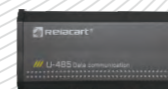


### T-32

Wireless Bodypack Transmitter

- The bodypack transmitter is one of the smallest mini bodypack in the world. It is made of all alloys and is light and durable.

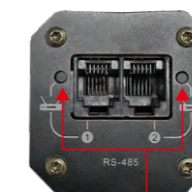
Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	AA×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 5 hours(alkaline)
Dimension(mm):	66(H)×63(W)×20(D)
Weight:	Approximately 85g(w/o battery)



### U-485

Data exchange equipment

- U-485 is a device for some of the exclusive wireless products and computer data exchange.
- We set up our computer software (RWW) to achieve the work of the connected wireless microphone products. It can be computerized, but more powerful is to accurately determine the internal environment interference. Obvious signal changes and the scan function.



RJ11 port indicator



POWER indicator USB indicator

- Product port description
  - ①USB interface: professional square USB interface for connecting to a computer for data exchange
  - POWER indicator: Power indicator, correctly shows whether the U-485 is working properly (the power supply can be supplied via USB)USB indicator: Indicates whether the U-485 is connected to the computer.
  - ②Two RJ11 ports: used to connect to our exclusive wireless microphone products, the 1 and 2 ports function are same, can be used at the same time so that it can connect more wireless microphone at the same time. RJ11 port indicator \*2: indicate whether the RJ11 port connection is normal.



WMS-1 is a wireless frequency management system, can be used in real-time scanning the interference-free frequency at site. Frequency scanning up to 960MHz, make the wireless space frequency visible. Connect the HR Series wireless receiver through the RS-485 communication protocol, the software can be used to monitor and control the wireless communication system in real time.

## Product Specification

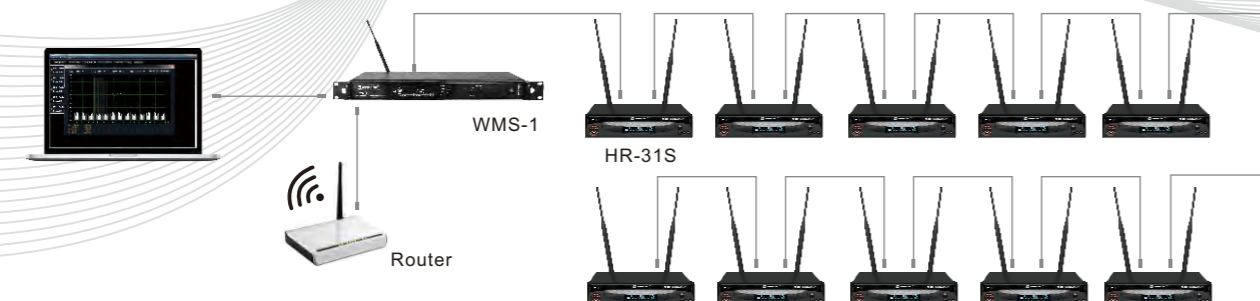


- NETWORK: Connect a router or computer to communicate with the control software
- RS-485: Connect to the wireless microphone and send information to the control software for real-time monitoring.
- ANTENNA: Receive signals from the live radio.
- Display: Display the AFS function to monitor the wireless frequency status in real time.

Main Frame Size:	EIA Standard Rack 1U
Frequency Range	240MHz-960MHz
Step Frequency	25KHz-5MHz
S/N:	-75dBm@0.5G
Interface:	RJ11, RJ45, BNC
Power Supply:	DC-12V/1000mA
Dimensions (mm):	410(W)×206(D)×43(H)
Weight :	About 2.2Kg

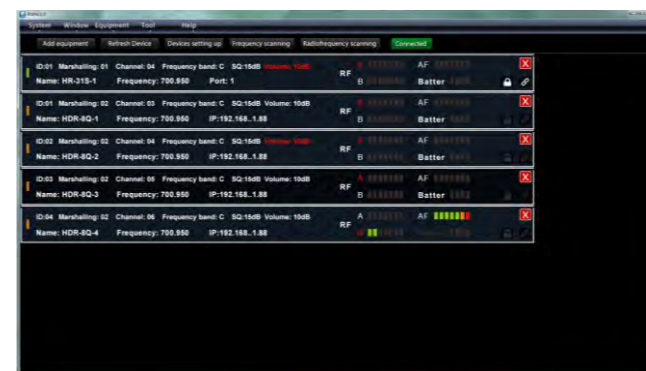
**WMS-1**  
Wireless Management System

## Key Features



**WMS-1** WIRELESS MANAGEMENT SYSTEM

## Software Interface



### Software introduction

- Frequency scan: Scan the site for interference frequencies. Scanning range: 240MHz-960MHz
- the information states: Including the function information of the receiver and transmitter.
- Function control: Control the volume, frequency, SQ and other functions of the wireless receiver.
- RF scan: Scan the RF signal of the wireless receiver, automatically analyze and select the channel with strong signal.
- Channel frequency scan: Scan the receiver's frequency band independently to quickly select interference-free frequencies.
- Maximum connection of 32 wireless channels
- The software supports WINDOWS system, WIFI connection is available.

## On-site Automatic Frequency Scanning



### Scanning:

- Scanning: Obtain scan data through Relacart wireless receivers and compatible scanners, provide detailed graphic displays, and detect potential RF problems in time to avoid adverse effects on RF signals.

## Frequency Setting for Equipment



# UR-2Q

QUAD CHANNEL 130MHz WIDEBAND  
TRUE DIVERSITY WIRELESS MICROPHONE



UR-2Q series wireless microphone cohesive Relacart long-term accumulation of technical essence, with advanced four-channel electrical tuning technology, 130MHz switching bandwidth (depending on the region); has a beautiful industrial design appearance; with independent research and development of DSP audio expansion algorithm Support Dante protocol output, Magic EQ function can be adjusted freely; this series is suitable for high-demand nightclubs, multi-purpose demonstration halls, hotels, conferences and small and medium-sized performances.

## Product Specification



### UR-2Q

Quad Channel Wireless  
Receiver

- The 1U metal chassis of the international EIA standard is adopted. It is elegant with novel, concise and ultra wide angle OLED liquid crystal display and visualized LED.
- Receiver bright OLED display, can display the working channel or frequency, receiver name, transmitter battery capacity, visual LED display RF and AF signal strength.
- Built in antenna distribution system.

Main Frame Size:	EIA Standard Rack 1U
Frequency Stability:	±0.005%
External Antenna Interface:	Dual BNC support +12V/150mA output
External Audio Interface:	Mixed balanced audio output, BALANCED single channel balanced audio output
Ethernet Port:	Support Dante communication protocol
Carrier Frequency Range:	470MHz~960MHz
Oscillation:	PLL synthesized
Sensitivity:	5dBu , S/N>60dB at 25KHz deviation
Bandwidth:	130MHz
Max. Deviation Range:	±45KHz
Audio Sampling Rate:	96KHz 24-bit
Audio Expansion:	Relacart DSP Digital Audio Extension Algorithm
S/N:	>105dB
T.H.D :	<0.7%@1KHz
Frequency response :	80Hz~18KHz ±3dB
Operation Range With Line of Sight Approx :	80 meters
Power Supply :	AC input, ICE connector, 100-240 VAC
Dimensions (mm) :	480(W)×350(D)×43(H)

## Key Features



### Dante Network Audio Protocol

- With Dante network audio output, Dante audio device can automatically identify the Dante channel of the product; audio signal can be output to any Dante audio device



### [Magic EQ] Function

- It built-in 9 kinds of digital audio equalizers (Magic EQ), which can directly change the audio quality curve through parameters



### IR Infrared Counter-Frequency

- With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and lock on to an open accurately.



### Energy Conservation

- Precise low-consumption circuit design, use two AA alkaline battery, the battery life is twice as common.



### DSP Audio Digital Extension

- High-speed DSP chip, 24-bit high-performance ADC, DAC plus self-developed digital audio expansion algorithm to minimize the noise caused by wireless transmission



### Automatic Frequency Selection (AFS)

- With [AFS] (Auto Frequency Selection) function, enter the setup menu and select AFS function, the receiver will auto-scan and lock on to an open interference-free frequency.



### Ultra Wide Bandwidth

- Ultra-wideband UHF 470MHz ~ 960MHz, pure diversity reception; each channel division and frequency design, to ensure the most wireless microphones can be used simultaneously in the narrowest frequency range.



### Universal Property

- 134MHz wideband transmitter, multiple receivers in different frequency bands are free to use



### UH-2

Wireless Handheld  
Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, humanized mechanical switch, microphone module design, and a variety of characteristics of the sound head module can be matched, suitable for speech, singing and other occasions.

Carrier Frequency Range:	470MHz~960MHz
Harmonic Radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio Compression:	Relacart classic audio compression circuit
Capsule:	Dynamic or Condenser, Cardioid
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery Life:	Approximately 8 hours
Dimensions(mm):	52(Φ)×255(L)
Weight (without battery):	Approximately 235g

- Contracted design style, solid and dural metal material, high contrast OLED display.Built-in gain adjustment function.
- Standard Mini XLR microphone interface, suitable for the headset mic and clip mic of a variety of well-known brand in the market. Suitable for application in speech, singing and other occasions

Carrier Frequency Range:	470MHz~960MHz
Harmonic Radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio Compression:	Relacart classic audio compression circuit
Input Connector:	4-pin mini-XLR connector. Input gain 3 levels adjustable
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery Life:	Approximately 8 hours
Dimensions(mm):	84(H)×66(W)×23(D)
Weight (without battery):	Approximately 155g

### UT-2

Wireless Bodypack  
Transmitter



# UR-280

UR DUAL-CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM



UR-280 is a dual-channel true diversity wireless microphone system condensed from the essence of Relacart's many years of technology. It has advanced technology, stable performance and exquisite design. The bandwidth is up to 64MHz, wider than similar products on the market, with more frequency to choose from; the volume is adjustable in 1dB step, three levels of RF power are optional, multi-level SQ is optional, and a handheld microphone charging base is optional. It is more convenient; the 1.14-inch TFT color display has higher display quality. It is fully suitable for high-demand business negotiation venues, multi-functional halls, hotels, conference rooms and small to medium-sized performance venues.

## Product Specification



### UR-280

Dual Channel Wireless  
Receiver

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Dual Channel
Receiving Mode:	True Diversity
Receiving Sensitivity:	5dBv, S/N>60dB at 25KHz deviation
Channel Bandwidth:	64MHz (depending on region)
Max. Deviation:	±45KHz
Comprehensive S/N:	>105dB
Comprehensive T.H.D.:	<0.7%@1KHz
Frequency Response:	60Hz ~ 18KHz ±3dB
Antenna Interface:	Dual BNC supports +12V/150mA output
Audio Interface:	6.3mm unbalanced audio output, XLR balanced audio output
Dimension(mm):	410(W)×225.5(D)×44(H)



### UH-280

Wireless Handheld  
Microphone

- Equipped with a 1.14-inch color TFT screen, clearly display status of frequency group, frequency band, battery level, dB value, lock/unlock, etc. Powered by two pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for various occasions that require frequent charging.

Carrier Frequency Range:	521.25MHz~936.85MHz
Harmonic Radiation:	<45dBm lower than the main wave
Bandwidth:	Single channel 134MHz (depending on the region)
Modulation:	FM
Audio Compression:	Relacart classic audio compression circuit
Capsule:	Dynamic
RF Output Power:	10mW, 30mW, 100mW, optional.
Volume adjustment:	-15~+5dB, 1dB step
Working Current:	170mA(Typical)
Battery Current/ Life:	Approximately 8 hours(alkaline)
Dimension(mm):	55(Φ) ×269(L)

## Key Features



### SQ multi-level adjustable

- The multi-level SQ value can be adjusted freely, and the mute threshold can be adjusted according to the actual use situation on site. It can ensure high-quality sound pickup regardless of short distance or long distance, and can be used in various occasions.



### RF power multi-level adjustable

- The RF power is available in three levels: 100MW, 30MW, and 10MW. Compared with other products on the market, there are more choices. Short-distance transmission can reduce power consumption, and it can also easily handle situations where long-distance transmission is required.



### Optional dual-bay chargers

- Optional contact-type dual bay changer, simply place the microphone into it for charging. Utilizing rechargeable NiMH batteries, it offers a longer lifespan compared to alkaline batteries, ensuring enhanced safety, durability, and environmental friendliness. This convenient charging method is suitable for various scenarios requiring frequent charging.



### 64MHz ultra-wide bandwidth

- The system has an ultra-wide bandwidth of 64MHz, which is wider than similar products on the market. Even when multiple sets of equipment are needed for large-scale performances, there are still enough frequencies to choose from, making it easier to avoid interference during use.



### TFT display screen

- It adopts a 1.14-inch TFT high-brightness display with rich colors and high visibility. It is easy to grasp the working status of the device and clearly displays the frequency, power, dB value, lock/unlock and other status.



### Anti-accidental touch switch

- The handheld microphone uses a toggle switch and is located at the tail to prevent accidentally touching the switch during use, which may cause interruptions in performances, meetings, etc.

### UT-280

Wearable Bodypack  
Transmitter



- It's a mini wearable bodypack transmitter with a compact appearance, light weight and durability. Equipped with a 4-pin mini XLR input port, can connect an external microphone. Powered by one pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for speeches, meetings, education, performances and other occasions.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	AA×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 4 hours(alkaline)
Dimension(mm):	65(W)×21.3(D)×75.5(H)

### RC-2

Dual-bay Charger



- Dual Bay Charger is suitable for Relacart rechargeable handheld transmitters and bodypack transmitters. Just put the transmitters into it for charging. It can display the current device power and has a charging completion indicator light.

Maximum Charging Current:	800MA
Input Voltage:	12V1A
Dimension(mm):	195(W)×88(D)×86(H)
Display charging status and battery life	

# UR-290

UR DUAL-CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM



UR-290D is a dual-channel true diversity wireless microphone system condensed from the essence of Relacart's many years of technology. It has advanced technology, stable performance and exquisite design. It can be connected to MagicEQ professional audio software for adjustment. The bandwidth is up to 64MHz, wider than similar products on the market, with more frequency to choose from; the volume is adjustable in 1dB step, three levels of RF power are optional, multi-level SQ is optional, and a handheld microphone charging base is optional. It is more convenient; the 1.14-inch TFT color display has higher display quality. It is fully suitable for high-demand business negotiation venues, multi-functional halls, hotels, conference rooms and small to medium-sized performance venues.

## Key Features

### MagicEQ™

- The connection software has a built-in digital equalization processor, with 9 tone modes to choose from, 7 of which are fixed modes, covering various international brand tone effects, and 2 custom modes. The tone can be adjusted freely through dedicated operating software to achieve individual needs. desired effect.

### SQ multi-level adjustable

- The multi-level SQ value can be adjusted freely, and the mute threshold can be adjusted according to the actual use situation on site. It can ensure high-quality sound pickup regardless of short distance or long distance, and can be used in various occasions.

### RF power multi-level adjustable

- The RF power is available in three levels: 100MW, 30MW, and 10MW. Compared with other products on the market, there are more choices. Short-distance transmission can reduce power consumption, and it can also easily handle situations where long-distance transmission is required.

### Optional dual-bay chargers

- Optional contact-type dual bay charger, simply place the microphone into it for charging. Utilizing rechargeable NiMH batteries, it offers a longer lifespan compared to alkaline batteries, ensuring enhanced safety, durability, and environmental friendliness. This convenient charging method is suitable for various scenarios requiring frequent charging.

### 64MHz ultra-wide bandwidth

- The system has an ultra-wide bandwidth of 64MHz, which is wider than similar products on the market. Even when multiple sets of equipment are needed for large-scale performances, there are still enough frequencies to choose from, making it easier to avoid interference during use.

### TFT display screen

- It adopts a 1.14-inch TFT high-brightness display with rich colors and high visibility. It is easy to grasp the working status of the device and clearly displays the frequency, power, dB value, lock/unlock and other status.

### Anti-accidental touch switch

- The handheld microphone uses a toggle switch and is located at the tail to prevent accidentally touching the switch during use, which may cause interruptions in performances, meetings, etc.

## Product Specification



### UR-290

Dual Channel Wireless  
Receiver

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Dual Channel
Receiving Mode:	True Diversity
Receiving Sensitivity:	5dBv, S/N>60dB at 25KHz deviation
Channel Bandwidth:	64MHz (depending on region)
Max. Deviation:	±45KHz
Comprehensive S/N:	>105dB
Comprehensive T.H.D:	<0.7%@1KHz
Frequency Response:	60Hz ~ 18KHz ±3dB
Antenna Interface:	Dual BNC supports +12V/150mA output
Audio Interface:	6.3mm unbalanced audio output, XLR balanced audio output
Dimension(mm):	410(W)×225.5(D)×44(H)



### UH-280

Wireless Handheld  
Microphone

- Equipped with a 1.14-inch color TFT screen, clearly display status of frequency group, frequency band, battery level, dB value, lock/unlock, etc. Powered by two pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for various occasions that require frequent charging.

Carrier Frequency Range:	521.25MHz~936.85MHz
Harmonic Radiation:	<45dBm lower than the main wave
Bandwidth:	Single channel 134MHz (depending on the region)
Modulation:	FM
Audio Compression:	Relacart classic audio compression circuit
Capsule:	Dynamic
RF Output Power:	10mW, 30mW, 100mW, optional.
Volume adjustment:	-15~+5dB, 1dB step
Working Current:	170mA(Typical)
Battery Current/ Life:	Approximately 8 hours(alkaline)
Dimension(mm):	55(Φ) ×269(L)



### UT-280

Wearable Bodypack  
Transmitter

- It's a mini wearable bodypack transmitter with a compact appearance, light weight and durability. Equipped with a 4-pin mini XLR input port, can connect an external microphone. Powered by one pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for speeches, meetings, education, performances and other occasions.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	AA×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 4 hours(alkaline)
Dimension(mm):	65(W)×21.3(D)×75.5(H)

### RC-2

Dual-bay Charger



- Dual Bay Charger is suitable for Relacart rechargeable handheld transmitters and bodypack transmitters. Just put the transmitters into it for charging. It can display the current device power and has a charging completion indicator light.

Maximum Charging Current:	800MA
Input Voltage:	12V1A
Dimension(mm):	195(W)×88(D)×86(H)
Display charging status and battery life	

# UR-290D

UR DUAL-CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM



UR-290D is a dual-channel true diversity wireless microphone system condensed from the essence of Relacart's many years of technology. It has advanced technology, stable performance and exquisite design. It supports Dante audio transmission protocol and can be connected to MagicEQ professional audio software for adjustment. The bandwidth is up to 64MHz, wider than similar products on the market, with more frequency to choose from; the volume is adjustable in 1dB step, three levels of RF power are optional, multi-level SQ is optional, and a handheld microphone charging base is optional. It is more convenient; the 1.14-inch TFT color display has higher display quality. It is fully suitable for high-demand business negotiation venues, multi-functional halls, hotels, conference rooms and small to medium-sized performance venues.

## Product Specification



**UR-290D**  
Dual Channel Wireless  
Receiver

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Dual Channel
Receiving Mode:	True Diversity
Receiving Sensitivity:	5dBv, S/N>60dB at 25KHz deviation
Channel Bandwidth:	64MHz (depending on region)
Max. Deviation:	±45KHz
Comprehensive S/N:	>105dB
Comprehensive T.H.D.:	<0.7%@1KHz
Frequency Response:	60Hz ~ 18KHz ±3dB
Antenna Interface:	Dual BNC supports +12V/150mA output
Audio Interface:	6.3mm unbalanced audio output, XLR balanced audio output
Dimension(mm):	410(W)×225.5(D)×44(H)



**UH-280**  
Wireless Handheld  
Microphone

- Equipped with a 1.14-inch color TFT screen, clearly display status of frequency group, frequency band, battery level, dB value, lock/unlock, etc. Powered by two pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for various occasions that require frequent charging.

Carrier Frequency Range:	521.25MHz~936.85MHz
Harmonic Radiation:	<45dBm lower than the main wave
Bandwidth:	Single channel 134MHz (depending on the region)
Modulation:	FM
Audio Compression:	Relacart classic audio compression circuit
Capsule:	Dynamic
RF Output Power:	10mW, 30mW, 100mW, optional.
Volume adjustment:	-15~+5dB, 1dB step
Working Current:	170mA(Typical)
Battery Current/ Life:	Approximately 8 hours(alkaline)
Dimension(mm):	55(Φ) ×269(L)

## Key Features

### Dante network audio protocol

- Supports the Dante network audio protocol, which has the characteristics of low latency, high precision, low cost, and uncompressed audio signals. At the same time, it only needs one network cable to connect to other Dante devices, solving the complex wiring problems in traditional audio transmission. Makes system expansion extremely easy.

### MagicEQ™

- The connection software has a built-in digital equalization processor, with 9 tone modes to choose from, 7 of which are fixed modes, covering various international brand tone effects, and 2 custom modes. The tone can be adjusted freely through dedicated operating software to achieve individual needs. desired effect.

### SQ multi-level adjustable

- The multi-level SQ value can be adjusted freely, and the mute threshold can be adjusted according to the actual use situation on site. It can ensure high-quality sound pickup regardless of short distance or long distance, and can be used in various occasions.

### RF power multi-level adjustable

- The RF power is available in three levels: 100MW, 30MW, and 10MW. Compared with other products on the market, there are more choices. Short-distance transmission can reduce power consumption, and it can also easily handle situations where long-distance transmission is required.

### 64MHz ultra-wide bandwidth

- The system has an ultra-wide bandwidth of 64MHz, which is wider than similar products on the market. Even when multiple sets of equipment are needed for large-scale performances, there are still enough frequencies to choose from, making it easier to avoid interference during use.

### TFT display screen

- It adopts a 1.14-inch TFT high-brightness display with rich colors and high visibility. It is easy to grasp the working status of the device and clearly displays the frequency, power, dB value, lock/unlock and other status.

### Anti-accidental touch switch

- The handheld microphone uses a toggle switch and is located at the tail to prevent accidentally touching the switch during use, which may cause interruptions in performances, meetings, etc.

### Optional dual-bay chargers

- Optional contact-type dual bay changer, simply place the microphone into it for charging. Utilizing rechargeable NiMH batteries, it offers a longer lifespan compared to alkaline batteries, ensuring enhanced safety, durability, and environmental friendliness. This convenient charging method is suitable for various scenarios requiring frequent charging.



**UT-280**  
Wearable Bodypack  
Transmitter

- It's a mini wearable bodypack transmitter with a compact appearance, light weight and durability. Equipped with a 4-pin mini XLR input port, can connect an external microphone. Powered by one pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for speeches, meetings, education, performances and other occasions.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	AA×1
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 4 hours(alkaline)
Dimension(mm):	65(W)×21.3(D)×75.5(H)

## RC-2

Dual-bay Charger



- Dual Bay Charger is suitable for Relacart rechargeable handheld transmitters and bodypack transmitters. Just put the transmitters into it for charging. It can display the current device power and has a charging completion indicator light.

Maximum Charging Current:	800MA
Input Voltage:	12V1A
Dimension(mm):	195(W)×88(D)×86(H)
Display charging status and battery life	

# UR-223D

## UR DUAL-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-223D is a dual channel true diversity wireless microphone system. The true diversity reception is more stable, with automatic dispatch, eliminate receive dead Angle, avoid fault frequency phenomenon. UR-223D with advanced technology, stable performance, exquisite appearance, convenient operation and superior professional quality to win the market. This series is suitable for high requirement night club, multi-function room, hotels, and conference room and medium to large performance.

### Product Specification



UR-223D  
Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal chassis, combined with novel compact LCD display.
- The receiver with ultra wide reviewing angle LCD display, shows working channel/frequency, RF/AF, transmitter battery level, mute and other status. And built-in electronic volume.

Channels:	Dual Channel
Frequency Stability:	±0.005%(-10°C~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	S/N>60dB at 25 deviation
Output Connector:	XLR balanced & 6.3φ phone unbalanced plug
Antenna Connector:	BTC
Bandwidth:	64MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D:	<0.7%@1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical(in open space)
Companding:	Relacart classical audio processing technology
Power Supply:	DC 12V/12W
Dimension(mm):	410(W)×206(D)×43(H)
WeightApproximately:	1.9kg

### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



#### Super Wide Frequency Range

- Super wide frequency range 521.25-936.85MHz, with AFS function, dual channel receiving circuit of true diversity reception.



#### Univesal Propergy

- the capsule of the handheld microphone is detachable, can choose dynamic or condenser capsule, even can change to the famous international brand microphone capsule.



#### Energy Conservation

- Precise low consumption circuit design, use two AA alkaline battery, the battery life is twice as common one.



#### Anti-Interference

- PLL (Phase Lock Loop frequency control) design combine "IP address" and "noise detection" mute control function, which can effectively block noise and radio frequency interference in the working environment, like the computer equipment, karaoke machine and DVD, etc.



UH-222  
Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



UT-222  
Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

# UR-223S

## UR SINGLE-CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-223S series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, stable performance, elaborate appearance, convenient operation and superior professional quality to win the market. This series is suitable for high requirement night club, multi-function room, hotels, conference room and small to medium performance.

### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS"(Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule.Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



#### Super Wide Frequency Range

- Super wide frequency range 521.25-936.85MHz, CPU intelligent antenna diversity.
- Four frequency bands, 40 frequency groups, more than 400 frequencies for selection.



#### Energy Conservation

- Precise low consumption circuit design, use two AA alkaline battery, the battery life is twice as common one.



#### Anti-Interference

- PLL(Phase Lock Loop frequency control) design combine "IP address"and "noise detection"mute control function, which can effectively block noise and radio frequency interference in the working environment, like the computer equipment, karaoke machine and DVD, etc.

### Product Specification



## UR-223S

Single Channel Wireless Receiver

- 1U Half-Rack metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Main Frame Size:	1U Half-Rack
Channels:	Single Channel
Frequency Stability:	±0.005% (-10°C~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25 KHz deviation
Output Socket:	XLR balance type or φ6.3mm unbalanced socket
Bandwidth:	32MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D:	<0.7% @1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	60M typical(in open space)
Power Supply:	DC 12~18V/1A
Dimension(mm):	205(W)×206(D)×43(H)
Weight :	Approximately 1.0kg



## UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



## UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

# UR-260D

## UR DUAL-CHANNEL WIRELESS MICROPHONE SYSTEM



UR-260D series cohesion Relacart long-term accumulation of technology essence. With advanced technology, stable performance, elaborate appearance, convenient operation, and superior professional quality to win the market. This series is suitable for high requirement large scale professional tours.

### Product Specification



## UR-260D

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Channels:	Dual Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Sampling Rate:	96kHz 24-Bit
Default Audio Equalizer:	Simulate of various cartridge sound
Modulation Mode:	FM stereo modulation
Operating Range:	80M typical (in open space)
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Max. Deviation Range:	±45KHz
S/N:	> 100dB
T.H.D.:	< 0.5% @ 1KHz
Frequency Response:	45Hz~18KHz ±1dB
Power Supply:	DC 12~18V/1A
Weight:	2.0kg
Dimension (mm):	410(W)x206(D)x43(H)
Output Connector:	LR balanced & 6.3φ phone jack unbalanced

### Key Features

#### FBK "Feedback Killer"

- "Feedback Killer" automatic feedback extermination, providing maximum gain and increased clarity on every microphone.

#### MagicEQ™

- Built-in 9 kinds of MagicEQ™ Built-in MagicEQ™ preset and user-defined microphone capsule equalization for faithful reproduction to the vocalist or speaker's favorite "personality" sound.

#### AFS(Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.

#### Intelligent Management

- The receiver can be connected computer via TCP/IP or connected Android phone via WIFI, realizing remote control, remote diagnostics and upgrades.

#### Super Wide Frequency Range

- UHF 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, single-channel diversity reception, frequency-selective greater.

#### Univesal Properry

- 134MHz transmitter, specially designed for capable of full frequency range transmission.

#### Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.

#### Anti-Interference

- PLL (Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.



## UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

# UR-222D

## UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-222D Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

### Product Specification



#### UR-222D

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.
- Antenna output with 8V DC

Main Frame Size:	EIA Standard Rack 1U
Channels:	Dual Channel
Frequency Stability:	±0.005%(-10~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	5dBμV, S/N>60dB at 25 KHz deviation
Bandwidth:	32MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D:	<0.7%@1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical(in open space)
Power Supply:	DC 12V/1W
Dimension(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 1.9kg

### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### Super Wide Frequency Range

- UHF 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel diversity reception, frequency-selective greater.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Univesal Propergy

- 134MHz transmitter, specially designed for capable of full frequency range transmission.



#### Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



#### Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.



#### Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.



#### UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element	Dynamic/Condenser(removable)
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



#### UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

# UR-222S

## UR SINGLE-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-222S Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

### Product Specification



## UR-222S

Single Channel Wireless Receiver

- 1U Half-Rack metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.
- Antenna output with 8V DC

Main Frame Size:	1U Half-Rack
Channels:	Single Channel
Frequency Stability:	±0.005%(-10~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	6dBμV, S/N>60dB at 25 deviation
Bandwidth:	32MHz
Max Deviation Range:	±45KHz
S/N:	>105dB
T.H.D:	<0.7% @ 1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical(in open space)
Power Supply:	DC 12V/12W
Dimension(mm)	410(W)×206(D)×43(H)
Weight:	Approximately 1.0kg
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced

### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS"(Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Flexibility

- The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.
- The new optimized circuit design, good sound quality, transmission distance is longer and more stable
- The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule.Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment



#### Super Wide Frequency Range

- UHF 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, single-channel diversity reception, frequency-selective greater.



#### Univesal Propery

- 134MHz transmitter, specially designed for capable of full frequency range transmission.



#### Energy Conservation

- Accurate low consumption circuit design, battery life Is twice as common one.



#### Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock"squelch effectively blocks stray RF.



## UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



## UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

# UR-112D

## UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-112D series is a dual-channel true diversity wireless microphone, true diversity receiving mode is more stable, automatic signal selection, eliminating receiving dead angle, to avoid the phenomenon of frequency drop. This series is specially designed for singing, with wide frequency response, rich sound quality, roundness and fullness, and powerful vocal expression. Cordioid directional sound pick-up, high sensitivity, while reducing environmental noise pick-up, high fidelity timbre, suitable for karaoke, bars, nightclubs, clubs, and small to medium size performance.

### Product Specification



### UR-112D

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Main Frame Size:	EIA Standard Rack 1U
Channels:	Dual Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Receiving Sensitivity:	6dBμV, S/N>60dB at 25 deviation
Band Width:	32MHz
Max. Deviation Range:	±45KHz
S/N:	>100dB
T.H.D.:	<0.5%@1KHz
Frequency Response:	63Hz-18KHz ±3dB
Operating Range:	80M typical (in open space)
Power Supply:	DC 12V / 7W
Weight:	Approximately 1.8kg
Dimension (mm):	410(W)x206(D)x43(H)
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	10MW/40MW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 285g (w/o battery)

### EH-608/W

Wireless Handheld Microphone



### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS"(Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock"squelch effectively blocks stray RF.



#### Signal Stability

- The hardware circuit of the whole system is controlled by amicroco mputer, and the selected computer technology is used to calculate the frequency of no interference with each other, so that the performance of the whole system is more stable, and it is not easy to occur the phenomenon of frequency offset and interruption.



#### Super Wide Frequency Range

- 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel reception, frequency-selective greater.
- Each channel with 32 adjustable frequencies, total 64 adjustable frequencies for dual channels, 24 frequency groups provides 768 selectable frequencies for users.



#### Universal Property

- 134MHz transmitter, four different frequency bands transmitter can be used at random, which is very convenient for debugging and management.



#### LCD Display

- Bright and easy-to-read LCD display show RF/AF signal strengths, transmitter battery consumption, can set channel, frequency, frequency group, user name, mute level, etc.



#### Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.



### ET-60

Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

### UD-1

Wireless Conference Microphone



# UR-111D

## UR DUAL-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-111D Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

### Product Specification



#### UR-111D

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis, offering new style and simple LCD display.
- Bright LCD display can simultaneously display the working channel or frequency, RF&AF signal stats, transmitter battery consumption as well as mute level.

Main Frame Size:	EIA Standard Rack 1U
Channels:	Dual Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Receiving Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Band Width:	32MHz
Max. Deviation Range:	±45KHz
S/N:	>105dB
T.H.D.:	<0.7%@1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical (in open space)
Power Supply:	DC 12V / 12W
Weight:	1.9kg
Dimension (mm):	410(W)x206(D)x43(H)
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced

### Key Features



#### AFS(Automatic Frequency Selection)

- International EIA 1U metal chassis, combined with new-style compact and elegance LCD display.



#### IR Infrared

- Bright and easy-to-read LCD display shows working frequency or channel, RF/AF, diversity strengths; transmitter battery level, mute and built-in electronic volume.



#### Anti-Interference

- Super wide frequency range 521.25-936.85MHz, automatic frequency selection, CPU intelligent antenna diversity receiving.
- "AFS" Automatic frequency selection function, Press the "AFS"(Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.
- Press [IR] button to upload the receiver frequency to the transmitter automatically.



#### Super Wide Frequency Range

- Stable PLL (Phase Lock Loop frequency control) circuit, combining "IP address" and "Noise Lock" mute control function, can effectively separate the RF interference from computer equipment, song machine and DVD in the working environment.
- The receiver's bandwidth is 32MHz and up to 10 systems can be used simultaneously within 32MHz range
- 134MHz wide bandwidth transmitter, greatly convenient for debugging and management



#### Energy Conservation

- Precise low-power circuit design, use two AA alkaline battery, battery life is one time longer as common.



#### UH-1

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style and ergonomic concept, durable metal material, multi-function LCD display, Touch switch design. The capsule of handheld microphone can be removed and replaced. It's suitable for speech, singing and other occasions.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max.Deviation Range:	±45KHz
Microphone Element:	Cardioid Dynamic /Cardioid Condenser
RF Power Output:	8mW/15mW
Battery:	AA X 2
Current Consumption:	110mA (Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ) X 255(L)
Weight:	208g (w/o battery)



#### ET-60

Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)



#### UD-1

Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

# UR-111S

## UR SINGLE-CHANNEL WIRELESS MICROPHONE SYSTEM



UR-111S Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

### Product Specification



#### UR-111S

Single Channel Wireless Receiver

- 1U Half-Rack metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Main Frame Size:	1U Half-Rack
Channels:	Single Channel
Frequency Stability:	±0.005% (0~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Receiving Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Band Width:	32MHz
Max. Deviation Range:	±45KHz
S/N:	>105dB
T.H.D.:	<0.7%@1KHz
Frequency Response:	45Hz-18KHz ±3dB
Operating Range:	60M typical (in open space)
Power Supply:	DC 12V / 12W
Weight:	1.0kg
Dimension (mm):	205(W)x206(D)x43(H)
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced

### Key Features



#### AFS(Automatic Frequency Selection)

- Press the "AFS" (Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### Super Wide Frequency Range

- UHF 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, dual-channel reception, frequency-selective greater.
- Each channel with 32 adjustable frequencies, total 64 adjustable frequencies for dual channels, 24 frequency groups provides 768 selectable frequencies for users.



#### IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



#### Universal Property

- 134MHz transmitter, specially designed for capable of full frequency range transmission.



#### Anti-Interference

- PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.



#### Energy Conservation

- Accurate low consumption circuit design, battery life is twice as common one.



#### UH-1

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style and ergonomic concept, durable metal material, multi-function LCD display, Touch switch design. The capsule of handheld microphone can be removed and replaced. It's suitable for speech, singing and other occasions.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max.Deviation Range:	±45KHz
Microphone Element:	Cardioid Dynamic /Cardioid Condenser
RF Power Output:	20mW/2mW
Battery:	AA X 2
Current Consumption:	110mA (Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ) X 255(L)
Weight:	208g (w/o battery)



#### ET-60

Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)



#### UD-1

Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

# BG-24

## 2.4G SINGLE-CHANNEL TRI-DIVERSITY WIRELESS MICROPHONE SYSTEM



BG-24 is an industry-first wireless microphone system that integrates three diversity techniques: frequency diversity, time diversity, and antenna diversity. It features a sleek and durable design crafted from a strong aluminum alloy. Its bright OLED display provides clear visibility of the device's status. Optional dual-bay chargers for handheld microphones enhance charging management convenience. Operating on the 2.4 GHz frequency band, this ensures unrestricted use in any country. With Relacart's proprietary digital audio algorithms, BG-24 offers ultra-low latency transmission, making it ideal for small to medium-sized performances, business meetings, conference rooms, schools, home entertainment, and more.

### Key Features



#### Independently developed low-latency compression algorithm

- Relacart independently develops digital audio algorithm with compression and decompression latency less than 3 ms, significantly ahead of other 2.4G digital wireless microphones on the market and provides an excellent solution for the overall digital audio system. Additionally, the frequency occupied bandwidth is less than 1MHz, greatly reducing the external and intermodulation interference.

### 2.4

#### 2.4G unlimited frequency band

- Adopting the globally unrestricted 2.4G transmission frequency band, it can be used freely in any region without frequency restrictions. The effective transmission distance is up to 50 meters in open environments.



#### Optional dual-bay chargers

- Optional contact-type dual bay charger, simply place the microphone into it for charging. Utilizing rechargeable NiMH batteries, it offers a longer lifespan compared to alkaline batteries, ensuring enhanced safety, durability, and environmental friendliness. This convenient charging method is suitable for various scenarios requiring frequent charging.



#### Stable wireless transmission

- Relacart's innovative wireless audio system circuit provides it with a stable wireless transmission.
- It has antenna diversity reception mode to ensure safe wireless signal reception.
- Frequency diversity provides backup frequencies and automatic hopping functions, allowing it to flexibly avoid complex wireless frequency interference.
- Time diversity technology works by transmitting the same signal at different times. The receiver can receive multiple independently fading copies and combine these copies (such as maximum ratio combining, equal gain combining, etc.), which can significantly reduce the risk of signal loss due to poor channel conditions at any specific moment.



#### High fidelity sound reproduction

- The BG-24 digital wireless microphone system provides users with an extremely flat frequency response curve. It has a frequency response range of 20-20kHz and a distortion of <0.1%, giving the most fidelity sound for speech reproduction.



2.4G TRI-DIVERSITY WIRELESS MICROPHONE SYSTEMS

### Product Specification



## BG-24R

Single Channel Wireless Receiver

- 1U Half-Rack receiver chassis. Using a high-brightness OLED display, even in dim usage scenarios, it can still clearly display the device's frequency band, power, grouping, lock/unlock and other working status.

Main Frame Size:	1U Half-Rack
Receiving Channel:	Single Channel
Receiving Mode:	Frequency diversity, time diversity, antenna diversity
Wireless Carrier Frequency:	2.4 GHz
Audio Sampling rate:	48KHz 24-bit
Frequency Response	20Hz-20kHz
Dynamic Range	>110dB
Wireless Format:	Relacart proprietary digital audio format
Operation Distance:	50M typical(in open space)
Power Supply:	DC 12V/1A
Dimension(mm):	200(W)×216(D)×44(H)



## BG-24H

Wireless Handheld Microphone

- The casing is made of sturdy and durable aluminum alloy, and is equipped with bright OLED to clearly display working status such as frequency band, power, group, lock/unlock, etc. Powered by two pc of AA battery or NiMH battery. It can be put in the dual-bay charger for charging when adopt NiMH battery. It is suitable for various occasions that require frequent charging.

Carrier Frequency Range:	2400MHz~2483.5MHz
Frequency Response:	20Hz -20KHz
Sampling Rate:	24-bit 48KHz
Modulation Type:	Relacart proprietary digital audio algorithms
Microphone Element:	Dynamic
Occupied Bandwidth:	<1 MHz
Transmission Power :	10dBm
Operating Current :	120mA
Battery Current/ Life:	Approximately 10 hours
Dimension(mm):	51.4(Φ) ×260(L)

## RC-2

Dual-bay Charger



- Dual Bay Charger is suitable for Relacart rechargeable handheld transmitters and bodypack transmitters. Just put the transmitters into it for charging. It can display the current device power and has a charging completion indicator light.

Maximum Charging Current:	800mA
Input Voltage:	12V1A
Dimension(mm):	195(W)×88(D)×86(H)
Display charging status and battery life	



The Relacart TAC4 antenna combiner can consolidate signals from up to four in-ear wireless monitor stereo transmitters onto a single shared antenna, effectively minimizing intermodulation distortion caused by interference between adjacent transmitters. This is crucial for multi-channel systems. It can be used with any brand of IEM set to transmit power of 100mW or lower. Additionally, it can provide DC power to up to four IEM transmitters, eliminating the need for wall-mounted power adapters.

## Product Specification

Frequency range:	470-940 MHz
Input/output impedance:	50Ω
RF gain:	0dB (±2dB)
Connector type:	BNC
RF signal input:	4 channels
RF input normal operating range:	+20dBm max.
RF input signal LED indicator threshold:	>7dBm
Input loss:	<3dB
Output voltage:	4 channels 12V (DC) 1A maximum
Power supply:	AC 100-240V, 50-60Hz 60W Max.
Dimensions (mm):	480(W)×350(D)×43(H)



## TAC4

IEM Transmitter Antenna Combiner

## System Connection Diagram

## Key Features



### Improve Wireless Performance

- It can reduce the intermodulation distortion and dropouts due to multipath interference



### Super Wide Frequency Range

- Wideband UHF operation (470-940 MHz)



### Power Supply for Transmitters

- Four DC output jacks supplying power to the connected IEM transmitters



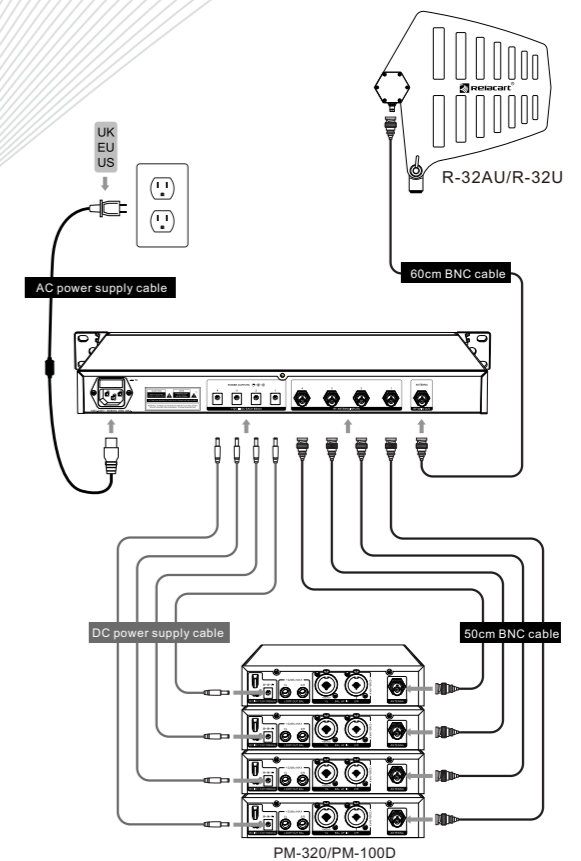
### LED Indicator of Signal Presence

- Front-panel LED signal indicators for each input (Lights green when there is signal input; off when there is no signal)



### Wide Compatibility

- Compatible with the IEM transmitters of all brands



# PM-320 | WIRELESS DIVERSITY IN-EAR MONITOR SYSTEM



PM-320 is a wireless monitoring system for stage performances and audio broadcasting, and a wireless listening system for large simultaneous interpretation conferences. High-fidelity sound, advanced electronic processing technology instead of the traditional complicated and heavy monitoring equipment, eliminate the howling from the monitoring equipment, and make the performance reliable and perfect.

## Product Specification



PM-320R  
Stereo Wireless Bodypack Receiver

- The housing of PM-320R receiver is made of light-weight and tough alloy materials.
- Exquisite and simple OLED multifunctional display.
- The receiver uses the UHF frequency band, and the CPU controls diversity reception to reduce dead spots and ensure stable reception.
- With headphone monitoring output.
- With long transmission distance, it is suitable for various occasions.

Receiving Method:	Antenna diversity reception
Channel:	Single channel
Frequency Stability:	± 0.005% (0 ~ 50 °C)
Carrier Frequency Range:	521.25MHz ~ 936.85 MHz
Modulation Mode:	FM (wideband stereo)
Working Range:	100 meters (in open space)
Oscillation:	PLL phase locked frequency synthesis
Sensitivity:	6dBuV, S / N > 60dB at 25KHz deviation
Bandwidth:	32MHz (1280 frequencies, 25 KHz step in tune)
Max. Deviation Range:	± 48KHz
Comprehensive S / N :	> 100dB
Comprehensive T.H.D.:	<0.9% @ 1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Stereo Separation:	>45dB, at 1KHz
Output Connector:	φ3.5mm stereo headphone connector
Output Power:	2x150mW at 1KHz (T.H.D. : 3%)
Battery:	AAx2
Current Consumption:	185mA (typical)
Battery Life:	About 7 hours
Dimension (mm):	90 (H) x 65(W) x 23(D)
Weight:	Approximately 190g

## Key Features

### PLL PLL Phase Locked Oscillation Circuit

- Stable PLL phase-locked oscillator circuit, combined with the "noise detection" mute control function, can effectively block the noise and radio frequency interference in the working environment.

### Super Wide Frequency Range

- The bandwidth is 32MHz, with 1280 adjustable frequencies. Channel groups 1-10 are factory preset with up to 180 fixed frequencies. Channel groups U1-U5 can freely set and save frequencies.

### UHF UHF Audio Transmission Technology

- The receiver adopts the UHF frequency band, and the CPU controls the diversity reception to reduce dead spots and ensure stable reception.

### High Fidelity

- It has a long transmission distance and is suitable for various occasions.

### Real-time Monitoring

- Has a headphone monitor output.



PM-320T  
Stereo Transmitter

- Metal 1 U Half-Rack case.
- The bandwidth is 32MHz and there are 1280 adjustable frequencies. 1-10 Channel groups, more than 180 fixed frequencies for choose. Channel groups U1-U5 can set and save frequencies freely.
- Stereo and mono selection
- Treble boost function, limit control function
- The stable PLL phase-locked oscillation circuit, combined with the "noise lock" squelch can effectively block stray RF.

Main Frame Size:	1U Half-Rack
Frequency Stability:	± 0.005% (-10~ 50°C)
Carrier Frequency Range:	521.25MHz ~ 936.85 MHz
Modulation Mode:	FM (wideband stereo)
Output Power:	10mW
Oscillation:	PLL phase locked frequency synthesis
Bandwidth:	32MHz
Harmonic Radiation:	60dB below the main wave
Max. Deviation Range:	± 50KHz
Comprehensive S / N :	> 100dB
Comprehensive T.H.D.:	<0.9% @ 1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Audio Input:	Line level × 2, 6.3mm Stereo/XLR Combo Jack
Audio Loop Output:	6.3mm Stereo jack × 2
Dimension(mm):	206 (W)×43(H)×206(D)
Weight:	1.0kg

# HCR-30D

UHF TRUE DIVERSITY ENG  
WIRELESS RECEIVER



HCR-30D is a wireless microphone system specially designed for professional cameras. At the same time, the intelligent channel diversity receiver can be divided into single channel true diversity and dual channels antenna diversity switching. Mainly used in professional video cameras, which is also attached with camera adapters for Sony and Panasonic work with wireless handheld mics or wireless bodypack transmitters, the camera can avoid the ties of the microphone signal line during recording, make the distance between the audio and video more closely combined, achieve the recording effect of the original sound reproduction, and ensure the camera's sound quality. Motorized operation, more flexible, convenient and safe to use.

## Product Specification



## HCR-30D

UHF True Diversity ENG  
Wireless Receiver

Reception Mode:	True diversity reception
Carrier Frequency Band:	521.25MHz~936.85MHz
Frequency Stability:	±0.005%
Modulation Method:	FM
Effective Working Distance:	generally 100 meters (open space)
Oscillation Mode:	PLL phase locked frequency synthesis
Sensitivity:	S/N >76 dB at 6 dBuV input at offset equal to 25 KHz
Bandwidth:	32MHz
Max.Deviation Range:	±75KHz
Sampling Rate:	ADC 24-bit, DAC 24-bit, sampling rate 96 KHz
Comprehensive S/N ratio:	>105dB
Comprehensive T.H.D:	<0.7%@1KHz
Comprehensive Frequency Response:	80Hz-18KHz ±3dB
Output Interface:	Panasonic/Sony/mini XLR
Power Supply:	DC7V/280mA-18V/220mA
Current Consumption:	180mA (typ.)
Working Temperature:	-25°C ~ 60°C
Dimensions(mm):	110(H)×73(W)×28(D)
Weight:	About 210g

## Key Features

### Brand New Design

- With sturdy and waterproof aluminum alloy shell, it can meet professional quality requirements. The new technology OLED display screen can display the working status of transmitter battery, radio frequency and audio at the same time. wireless connection and providing high-fidelity audio output
- Adopt SMA flexible antenna and antenna connector with adjustable angle of 1/4 wavelength.
- With "Panasonic" and "SONY" two kinds of output modules that are easy to remove and replace the fixed bracket, it is easy to install and use on different cameras.
- Equipped with ultra-quiet electronic touch switch, which can avoid the mechanical sound amplification of the switch.

### DSP DSP Audio Extension Algorithm

- Adopt Relacart's own DSP audio expansion algorithm to minimize the noise brought by the wireless transmission process and restore the best sound. The audio output of the receiver can be set to output in multiple modes (Both Mix, Mix 1, Mix 2, Audio Split). The handheld microphone has a simple design, is dexterous and lightweight, showing a humanized soft grip.

### PLL PLL Phase Locked Oscillation Circuit

- Stable PLL phase-locked oscillator circuit, combined with the "noise detection" mute control function, can effectively block the noise and radio frequency interference in the working environment.

### True Diversity Reception

- Ultra-wideband UHF 521.25-936.85MHz, true diversity reception.

### [AFS] Automatic Frequency Search

- It has the function of [AFS] to automatically search for the cleanest and freest frequency in the actual environment.

### Attached Adapters for Big Brand Camera

- Camera adapters for Sony® and Panasonic® (Unislot)

### High Precision Circuit

- The hardware circuit of the whole system is controlled by a microcomputer, and the advanced computer technology is used to Calculate the frequencies that do not interfere with each other, so that the performance of the whole system is more stable. And it is not easy to appear frequency offset, frequency interruption and other phenomena.

### Long Battery Life

- Precise low-consumption circuit design makes the battery life twice as long as that of ordinary microphones.



## UH-2

Wireless Handheld  
Microphone

- Wireless handheld microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, humanized mechanical switch, microphone module design, and a variety of characteristics of the sound head module can be matched, suitable for speech, singing and other occasions.

Carrier Frequency Range:	470MHz~960MHz
Harmonic Radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio Compression:	Relacart classic audio compression circuit
Capsule:	Dynamic or Condenser, Cardioid
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery Life:	Approximately 8 hours
Dimensions(mm):	52(Φ)×255(L)
Weight (without battery):	Approximately 235g

- Contracted design style, solid and dural metal material, high contrast OLED display. Built-in gain adjustment function.
- Standard Mini XLR microphone interface, suitable for the headset mic and clip mic of a variety of well-known brand in the market. Suitable for application in speech, singing and other occasions

Carrier Frequency Range:	470MHz~960MHz
Harmonic radiation:	<45dBm
Bandwidth:	Single-band 134MHz
Modulation Mode:	FM
Audio Compression:	Relacart classic audio compression circuit
Input Connector:	4-pin mini-XLR connector. Input gain 3 levels adjustable
RF Power Output:	10mW / 30mW
Battery:	AA x2
Current Consumption:	130mA(typical)
Battery Life:	Approximately 8 hours
Dimensions(mm):	84(H)×66(W)×23(D)
Weight (without battery):	Approximately 155g

## UT-2

Wireless Bodypack  
Transmitter



# MS1

## UHF SINGLE CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

Relacart MS1 is a multifunctional, portable, rugged and durable UHF wireless microphone system, compatible with smartphones (3.5mm interface), Digital/SLR cameras, camcorders, tape recorders, tablet computers and other equipment to assist in picking up high-fidelity audio. It is suitable for various professional applications such as interviews, micro video recording or commercial performances.

The portable receiver has a one-key frequency scanning and infrared synchronization function, allowing you to easily find a clear channel for your device. This true diversity receiver uses dual antennas and receiving circuits to eliminate audio interruption and radio frequency interference, in order to further protect the audio from unnecessary interference. The transmitter supports mic input, enabling the wireless system to provide clean, accurate and pure audio. The receiver is equipped with earphone monitoring, AFS automatic frequency scanning and current application connection scan function, etc. Effective working distance can reach 50m (open and wide occasions).

### Key Features



#### Flexibility Expansion

- Widely compatible with smart phones, digital/SLR cameras, camcorders, voice recorders, and tablets. 10 switchable frequency points to realize operation without environmental interference.
- Using OLED display, high-definition and easy to see.



#### High Fidelity

- UHF wireless transmission, providing high-fidelity audio source



#### Anti-Interference

- The pickup distance is up to 50m (up to 50m in an open and non-interference environment, up to 30m in an obstacle-free environment)



#### Universal Property

- The volume of the receiver and transmitter can be adjusted arbitrarily to adapt to the volume level of different devices.
- With real-time earphone monitoring function.



#### Energy Conservation

- Both the receiver and transmitter are powered by two AA batteries.

# MS1

## UHF SINGLE CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

### Product Specification



Frequency Response:	80 Hz ~ 15 kHz
Total Harmonic Distortion:	<0.9%
Pilot Frequency:	32.768.kHz
Power Requirement:	2.0 ~ 3.6.V
Operating Temperature:	0°C ~ 55°C
Measure(exclude antenna) (H×W×D):	80×58×20(mm)
Weight(Without battery):	116g

### MSI-R

Wireless Bodypack Receiver



Reference Input Level:	-26dBV
Frequency Response:	80 Hz ~ 15 kHz
S/N:	<100dB
Pilot Frequency:	32.768.kHz
Power Requirement:	2.0 ~ 3.6.V
Operating Temperature:	0°C ~ 55°C
Measure ( exclude antenna ) (H×W×D):	70×50.8×20(mm)
Weight (Without battery):	84g

### MSI-T

Wireless Bodypack Transmitter



Carrier Bandwidth:	470MHz~960MHz
Oscillation Mode:	PLL frequency synthesis
Transmission Power:	13.5 dBm
Carrier Error:	0.005%
Power Supply:	AA 1.5V x2
Nominal/Maximum Frequency Deviation:	±65KHz
Frequency Setting:	Manual button setting or infrared transmission
Input Gain Adjustment Range:	4 adjustable settings, every 3dB step
Harmonic Radiation:	-32dBm
Modulation:	FSK
Max. Input Level:	250mV
Input Impedance:	2.2KΩ
Battery Life:	≥11hours
Normal Working Current:	130mA
Dimensions(H×W×D):	110×42×42(mm)
Weight(without battery):	125g

### MSI-P

Wireless Plug-on Transmitter



R-14D is a dual quadripartition antenna distribution system with super wide frequency band, strong power output as well as ultra low distortion. Advanced technology, reliable performance, delicate appearance, compatible to UHF diversity wireless system.

Product Specification



R-14D  
Antenna Distribution System

Frequency Range:	470MHz ~ 950 MHz
Gain of Output:	0dB ±1dB
Input Impedance:	50Ω
Output Impedance:	50Ω
Power Supply of Antenna Input:	+8+V DC
Power Supply of Receiver:	Each antenna input port supplies bias +12V DC, 150mA max.
Current Drain:	800mA
Power Supply:	100-240V, AC 50/60 Hz
Dimensions (mm):	410(W)×206(D)×43(H)
Weight:	2.5kg

Key Features



Brand New Design

- Support one pair antenna, two to four pieces of Relacart wireless system or other brand wireless system. Simplify the antenna setup and increase system working efficiency



High Precision Circuit

- Precise circuit design, ultra low noise, low inter modulation distortion, can eliminate the interference from mixed frequency when multiple frequencies are working simultaneously.



Stable signal reception

- Antenna input jack compatible with R-32AU and R-22AU directional antenna, enabling large area, multiple direction and far distance wireless transmission, make sure the signal reception is stable.

# WIDE-BAND DIRECTIONAL ANTENNA

## Product Specification



### R-32AU

Wide-band Directional Antenna

- Light weight appearance, convenient for carrying and set up
- With high direction gain, enhance the receiving signal
- Built-in Antenna Booster.

Antenna Frequency Range:	480MHz ~ 950 MHz
Amplifier Frequency Range:	480MHz ~ 950 MHz
Antenna Directionality:	Cardioid
Antenna Polarization Mode:	line
Antenna Gain:	≥6.5dB
Antenna Standing Wave Ration:	<2
Amplifier Gain:	0 to15dB
Amplifier Low Noise:	<0.45dB
Amplifier OIP3:	>38dBm
External Power Supply:	6-12VDC
Current:	75mA
Connector Port:	BNC female
Dimensions (mm):	332(L)×304(W)×3(H)
Weight:	About 715g



### R-22AU

Wide-band Directional Antenna

- Light weight appearance, convenient for carrying and set up
- With high direction gain, enhance the receiving signal
- Built-in Antenna Booster.

Carrier Frequency Range:	620MHz ~ 960 MHz
Gain Of Output:	6dBi
Connector:	BNC Female
Dimension(mm):	245(H)×236(W)×31(D)
Weight:	220g



### R-20U

UHF Wide-band Directional Antenna

- The R-20U directional antenna provides enhanced signal pickup for UHF wireless microphone systems operating in the 470-900MHz frequency range, and is compatible with new foreign telecommunications regulations. Lightweight, structurally durable, UV-degradable ABS cover sheets that provide long life and consistent performance under harsh operating conditions.

Frequency Range:	470MHz-900 MHz
Polar Pattern:	≥25dB
Gain:	7dBi(Typical)
Impedance:	50Ω
Horizontal Flap Width:	80°
Vertical Flap Width:	60°
Max.Power:	50W
Polarization:	Vertical
VSWR:	≤ 2.0
Connector:	BNC
Dimensions (mm):	210(H)×180(W)× 44(D)
Weight:	300g

### R-43W

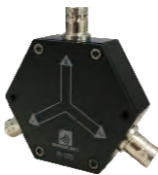
Bar Antenna



Frequency Range:	400MHz~950MHz, 2000MHz~2500MHz
Gain:	9dB
Standing Wave Ratio:	≤2
Input Impedance:	50 Ω
Connector Type:	N-type male
Dimensions (mm):	Φ36.5×376
Net Weight:	About 220g

# ACCESSORIES

## Product Specification



### R-12S

Antenna Divider

- R-12S can separate 1 RF signal to 2 RF signals output or combine 2 RF signals to 1 RF signal output. Also it is a RF signal amplifier can transfer the offset voltage to front, is a ideal antenna system accessory.

Frequency Range:	400 MHz -1000MHz
Attenuation:	-3.5dB, ±1dB
Insulate:	>-20dB
Impedance:	50 ohm
Voltage/Current:	50V DC/1.50A
Connector:	BNC
Size(mm):	65(W)×50(L)×20(H)
Weightabout:	35g



### R-20A

Antenna Booster

- R-20A provides increased gain for receiving antennas, maintains an effective and reliable signals and reduces chance for signal dropouts under difficult Rf conditions.
- Compact and lightweight, R-20Ais integrated into a small package and can be concatenated in the middle of the connecting cable

Frequency Range:	450-950MHz
Gain:	5dB 15dB
Connector:	BNC female
VSWR:	Input/output≤1 3:1
Power Supply:	DC 8V, 80VmA
Working Temperature:	-50°C to +60°C
Dimensions(mm):	87(W)×65(D)×20(H)
Weight:	85g
Outer Casing	Black anodized aluminum
Connecting Cable	50Ω low-loss coaxial cable.
Standard:	



### R-20P

Power Supplier for Antenna

- R-20P is a device that supplies power to antennas or antenna amplifiers, providing DC8V, 80mA output, allowing external antenna systems to work independently. The aluminum housing is designed with a rugged, lightweight construction and excellent heat dissipation, making the internal circuitry durable and continuously providing the output voltage, which is a best choice for the antenna receiving system.

Connect:	BNC
Power Requirement:	Power Adapter with 12V/1A
Power Supply:	DC 8V,300mA
Working Temperature:	-25°C~50°C
Dimension:	87(W)×65(D)×20(H)
Weight:	About 90g
Material:	Black electroplate aluminum

## Antenna Mounting Brackets



R-M11  
Multi-purpose mounting bracket



R-M13  
Wall mounting bracket



R-M17  
Wall mounting bracket

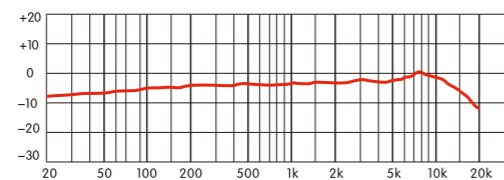
HEADWORN MICROPHONES

Product Specification

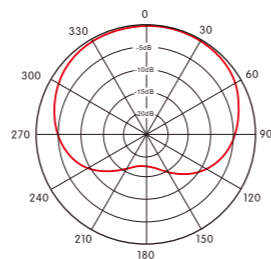


HM-500(S/B)  
Unidirectional

HM-500 Frequency Response:



Element: Back Electret Condenser  
Polar Pattern : Unidirectional  
Sensitivity : -47dB ±2dB  
Output Impedance : ≤2.2KΩ  
S/N Ratio : ≥58dB  
Dimensions of capsule : Φ6.0×5.0mm  
Frequency Response : 45Hz-18KHz  
Power Supply : 2-10V DC  
Cable : 1.2m  
Connector: Mini XLR-4P

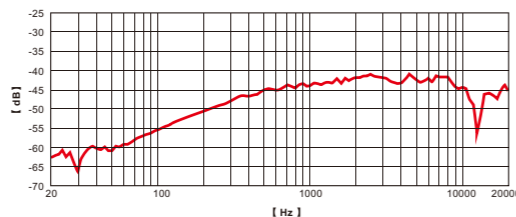


Polar Pattern

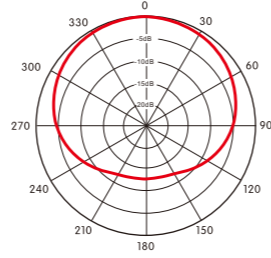


HM-P06  
Unidirectional

Frequency Response:



Element: Back Electret Condenser  
Polar Pattern : Unidirectional  
Sensitivity: -42dB1.5dB at KHz (0dB=TV/Pa)  
Output Impedance: 2.2KΩ ±5% at 1KHz  
Harmonic distortion: THD 0.8%/1KHz  
Maximum sound pressure level: 94dB/SPL  
Dimensions of capsule: Φ6.0×3.0mm  
Frequency Response: 50Hz-15KHz  
SN: >65dB  
Power Supply: 2-10V DC  
Cable: 1.2m  
Connector: 3.5mm jack

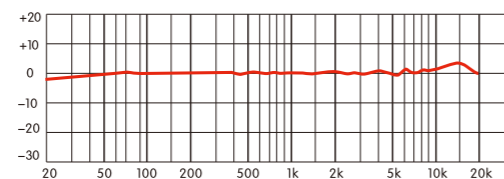


Polar Pattern

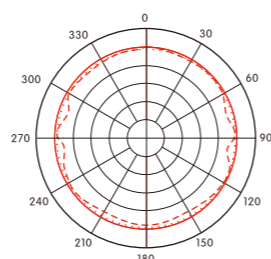


HM-600(S/B)  
Omnidirectional

Frequency Response:



Element: Back Electret Condenser  
Polar Pattern : Omnidirectional  
Sensitivity : -40.5dB ±2dB  
Output Impedance : ≤2.2KΩ  
S/N Ratio : ≥59dB  
Dimensions of capsule : Φ4.0×1.5mm  
Frequency Response : 20Hz-18KHz  
Power Supply : 2-10V DC  
Cable : 1.2m  
Connector: Mini XLR-4P



Polar Pattern

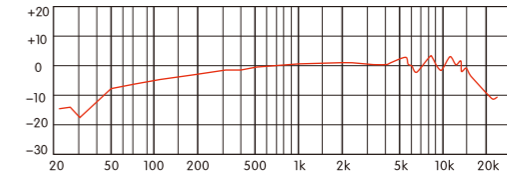
LAVALIER MICROPHONES

Product Specification

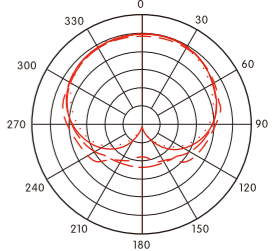


LM-C460  
Unidirectional

Frequency Response:



Element: Back Electret Condenser  
Polar Pattern : Unidirectional  
Sensitivity: -37dB  
Output impedance: ≤1.8kΩ  
S/N Ratio : ≥59dB  
Dimensions of capsule : Φ4.0×1.5mm  
Frequency response: 20-20000Hz  
Power Supply: 2-10V DC  
Cable: 1.2m  
Connector: Mini XLR-4P

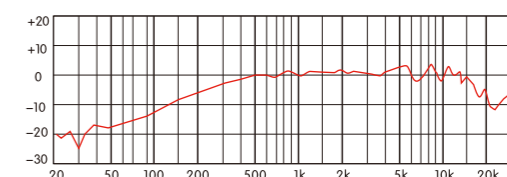


Polar Pattern

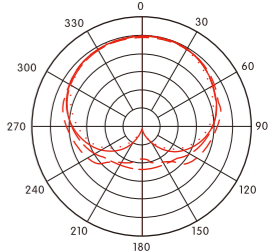


LM-C480  
Unidirectional

Frequency Response:



Element: Back Electret Condenser  
Polar Pattern : Unidirectional  
Sensitivity: -45dB  
Output impedance: ≤1.8kΩ  
S/N Ratio : ≥59dB  
Dimensions of capsule : Φ4.0×1.5mm  
Frequency Response: 60-12000 Hz  
Power Supply: 2-10V DC  
Cable: 1.2m  
Connector: Mini XLR-4P

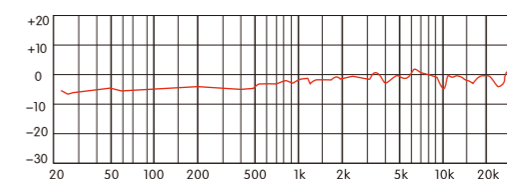


Polar Pattern

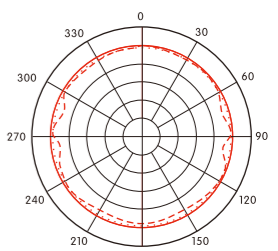


LM-C550  
Omnidirectional

Frequency Response:



Element: Back Electret Condenser  
Polar Pattern: Omnidirectional  
Sensitivity: -41dB  
Output impedance: ≤1.8kΩ  
S/N Ratio : ≥59dB  
Dimensions of capsule : Φ4.0×1.5mm  
Frequency Response: 60-12000 Hz  
Power Supply: 2-10V DC  
Cable: 1.2m  
Connector: Mini XLR-4P



Polar Pattern

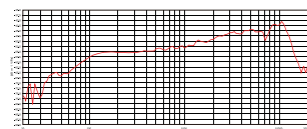
WIRELESS CAPSULES

Product Specification

Simple and fast, let you have different sound quality

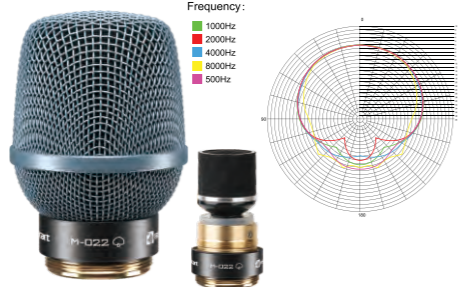
In order to meet the needs of our customers for performance products, each series of performance wireless microphones can have multiple replaceable microphone modules. Each module has different professional timbres and can be matched with different speakers to present sound effects. The microphone module can be replaced quickly, which is convenient for customers to replace microphones with all kinds of sound quality, and makes the maintenance of products easier and faster.

Frequency Response



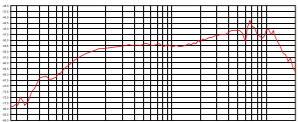
M-D22  
Dynamic Microphone Module

Polar Pattern



Connectivity:	Relacart UR series wireless handheld microphones Shure® wireless handheld microphones
Type:	Dynamic
Directivity:	Super cardioid
Frequency:	120-16000Hz
Response:	
Flexibility:	-53dB re 1V/Pa
Max SPL:	145dB@ 1%
Dimension(mm):	Φ53×79
Weight:	85g

Frequency Response



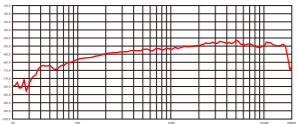
M-D27  
Dynamic Microphone Module

Polar Pattern



Connectivity:	Relacart UR series wireless handheld microphones Shure® wireless handheld microphones
Type:	Dynamic
Directivity:	Cardioid
Frequency:	120-16000Hz
Response:	
Flexibility:	-53dB re 1V/Pa
Max SPL:	145dB@ 1%
Dimension(mm):	Φ53×79
Weight:	95g

Frequency Response



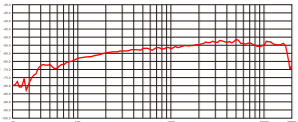
M-D32  
Dynamic Microphone Module

Polar Pattern



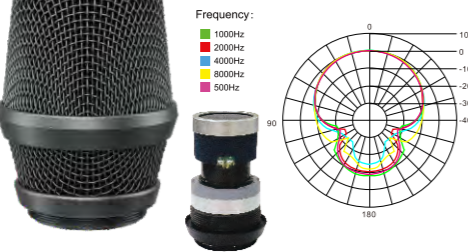
Connectivity:	Relacart HR series wireless handheld microphones Shure® wireless handheld microphones
Type:	Dynamic
Directivity:	Supercardioid
Impedance:	600Ω
Frequency:	45-18KHz
Response:	
Flexibility:	-57dB @ 1V/Pa
Dimension(mm):	Φ54×76
Weight:	150g

Frequency Response



M-D33  
Dynamic Microphone Module

Polar Pattern

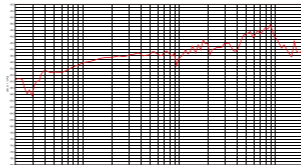


Connectivity:	Relacart H-33 wireless handheld microphones Sennheiser® wireless handheld microphones
Type:	Dynamic
Directivity:	Supercardioid
Impedance:	600Ω
Frequency:	45-18KHz
Response:	
Flexibility:	-57dB @ 1V/Pa
Dimension(mm):	Φ54×76
Weight:	155g

WIRELESS CAPSULES

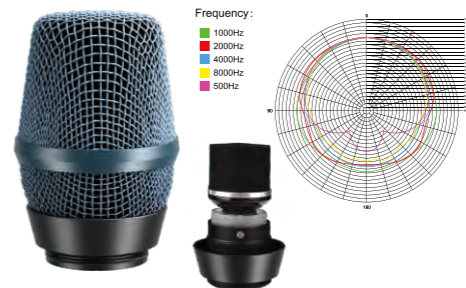
Product Specification

Frequency Response



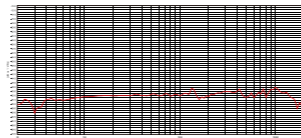
M-D30  
Dynamic Microphone Module

Polar Pattern



Connectivity:	Relacart HR series wireless handheld microphones
Type:	Dynamic
Directivity:	Cardioid
Frequency:	100-18000Hz
Response:	
Flexibility:	-47dB re 1V/Pa
Max SPL:	145dB@ 1%
Dimension(mm):	53×79
Weight:	115g

Frequency Response



M-C36  
Condenser Microphone Module

Polar Pattern



Connectivity:	Relacart UR series wireless handheld microphones Shure® wireless handheld microphones
Type:	Condenser
Directivity:	Cardioid
Frequency:	100-18000Hz
Response:	
Flexibility:	-52dB re 1V/Pa
Max SPL:	145dB@ 1%
Dimension(mm):	51×74
Weight:	145g

RC-SHSE

Handheld Microphone Adapter  
(Shure Head to Sennheiser Handheld)



Product size (mm):	41 (D)×14.5 (H)
Weight (g):	55

RC-SESH

Handheld Microphone Adapter  
(Sennheiser Head to Shure Handheld)



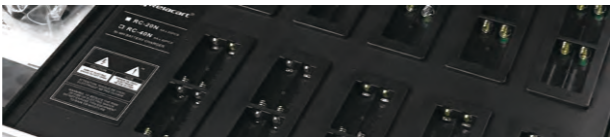
Product size (mm):	41 (D)×14.5 (H)
Weight (g):	55

ACCESSORIES

Product Specification



RC-40N  
Charging Case



RC-40N is for 40pcs AA batteries (battery for wireless microphone systems).  
Separate charging status indicator for each battery, flashing means being charging.  
Charging is completed within 5 hours and the charging status indicator lights red.  
Stop charging if batteries are not fully charged within 5 hours.  
Switching the charger's power OFF and back ON again with fully-charged charging completed batteries inserted will result in repeated recharge of the batteries. Battery life could deteriorate from this repetitive charging.  
Using Voltage: 100~240V.



- High capacity, low internal resistance, low self-discharge, one hour rapid charging and long cycle life.

Type:	Ni-NH battery
Cell Size:	AA
Dimensions:	13.9×49.5±0.5(mm)
Nominal Voltage:	1.2(V)
Nominal Volume:	1000-2300(mah)
Product certificate:	RoHS, CE, MSDS report

Rechargeable Battery

Rack Mount Kits



R-M1  
Fits a single 1U Half-Rack receiver side-by-side, metal material.



R-M2  
Fits dual 1U Half-Rack receivers side-by-side, metal material.



R-M3  
Fits a single dual 2U centra controller, metal material.



R-M7  
Magnetic BNC interface antenna bracket



R-M9  
Fits dual 1U Half-Rack receivers side-by-side, metal material.



R-M10  
Amplifier mounting bracket



P-12v10 DC 12V external power supply



MC-Pins Connecting Cable for conference system

ACCESSORIES

Product Specification



SI-2  
Dual Channel Signal Isolator

DC Impedance:	127Ω at the input and 127Ω (1:1) at the output
AC Impedance:	600Ω at the input and 600Ω at the output (1:1)
Frequency Response:	20Hz-20KHz
Dynamic Range:	>110dB@1KHz
Distortion:	<0.03% @1KHz at +4dBu,
Loss Attenuation:	-0.7 dB@1KHz
Maximum Input Level:	+4 dBu@20Hz at 1% +13 dBu @50Hz at 1% >30 dBu@1KHz at <0.15% THD
Isolation Voltage:	0-1250V
Input Interface:	XLR Female X2
Output Interface:	XLR Male X2 6.35mm jackX2
Switch:	A channel grounding switch B channel grounding switch, A+B shielded case grounding switch
Dimensions (mm):	166 (W)×43.8 (H)×83 (D)
Weight:	0.5kg

SI-2 dual-channel professional passive audio isolator, aluminum alloy casting, exquisite and durable, EIA Standard 1U height, with rack mount kit can be installed in the flightcase, easy to use. Two-channel 6.35 and XRL input and output, can be converted and distributed to each other, each channel has a common ground and a non-common ground, and signal is not distorted, and eliminates external interference (a-c hum, high-frequency oscillation) and noise.

Audio signal isolators are widely used in broadcasting and television media transmission systems, audio and video system engineering, live audio sound reinforcement, audio signal through audio signal isolator, balanced and unbalanced can be converted to each other, can completely isolate the potential difference between the two systems, to avoid the audible interference caused by the grounding problem prevents the excessive potential difference from damaging the input stage of the device. Realize the safe transmission of audio signals, eliminate the noise generated by the connection of cameras and audio equipment, eliminate the noise generated by the simultaneous interpretation equipment and the mixer, eliminate the noise generated by the laptop connected to the mixer, eliminate the noise generated by the electronic instrument connected to the mixer and eliminate the noise generated by equipment and equipment over long distances; eliminate noise generated by equipment and equipment noise mismatch. Eliminate the sound of the site caused by electricity, wiring, lighting interference, etc.

Key Features

- Metal case, EIA Standard Rack 1U height, small size, easy to use.
- High-strength interference rejection, CMRR >90dB.
- Supports plug and play, supports hot plugging, no power supply, no software setup and maintenance.



interface function:

- ① A channel XLR female and 6.35mm jack dual-use balanced and unbalanced input.
- ② B channel XLR female and 6.35mm jack dual-use balanced and unbalanced input.
- ③ The A channel switches.
- ④ The B channel switches.
- ⑤ A+B channel shielded case grounding switch.



- ① B channel XLR male output
- ② B channel 6.35mm jack balanced and unbalanced output
- ③ A channel XLR male output
- ④ A channel 6.35mm jack balanced and unbalanced output

# ER-5900

## DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



ER-5900 series is a dual-channel true diversity wireless microphone. True diversity receiving mode is more stable, with AFS function, eliminating the reception drop out problem. The frequency response is wide, the sound quality is rich and full, with strong vocal expression. cardioid directional pickup, high sensitivity, while reducing environmental noise. The tone is high fidelity. It is suitable for karaoke, bars, night clubs, KTV and other entertainment venues.

### Product Specification



## ER-5900

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Tuning Bandwidth:	521.25MHz~936.85MHz
Receiving Mode:	FM Superheterodyne true diversity reception
RF Sensitivity:	5dBuV, S/N>60dB at 25 deviation
Squelch:	10dB to 40dB, 5dB step
Frequency Sync:	IR Sync
Maximum output Level:	Maximum output + 11dBV
Adjustment Range Of Audio Output Level:	-6dB to +18dB, 3dB step
Power Requirements:	DC12V/1A
Current Consumption:	DV12V, 330mA
Overall Dimensions(mm):	410(W)×43(H)×206(D)
Net Weight:	1.8Kg

### Key Features



#### AFS(Automatic Frequency Selection)

- AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### Anti-Interference

- Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 521.25MHz to 936.85MHz.



#### Intelligent Design

- The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (when the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.
- The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.
- The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.



#### Reliable Signal

- The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.
- It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.



#### IR Infrared

- With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.



#### Generality

- 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.
- Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.



## EH-59

Wireless Handheld Microphone

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Switching Bandwidth:	521.25MHz-936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak Deviation:	±45KHz
Max. Input Level:	Maximum input - 11dBv
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life(mm):	Approximately 8 hours
Dimensions:	50(Φ)×260(L)
Weight (without battery):	About 330g

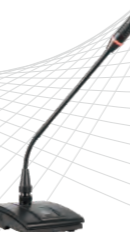


## ET-50

Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
- The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)



## UD-2

Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching Bandwidth:	470MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	20mW / 2mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak deviation:	< 45KHz
Gain Adjustment Range:	-10dB ~ +10dB
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	Approximately 8 hours
Dimensions(mm):	Base : 141×115×48 Microphone tube : 430mm
Weight (without battery):	1.0 Kg

# ER-5700

## DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



ER-5700 series is a dual-channel true diversity wireless microphone. True diversity receiving mode is more stable, with AFS function, eliminating the reception drop out problem. The frequency response is wide, the sound quality is rich and full, with strong vocal expression. cardioid directional pickup, high sensitivity, while reducing environmental noise. The tone is high fidelity. It is suitable for karaoke, bars, night clubs, KTV and other entertainment venues.

### Product Specification



**ER-5700**  
Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Tuning Bandwidth:	521.25MHz~936.85MHz
Receiving Mode:	FM Superheterodyne true diversity reception
RF Sensitivity:	5dBuV, S/N>60dB at 25 deviation
Squelch:	10dB to 40dB, 5dB step
Frequency Sync:	IR Sync
Maximum output Level:	Maximum output + 11dBV
Adjustment Range Of Audio Output Level:	-6dB to +18dB, 3dB step
Power Requirements	DC12V/1A
current consumption	DV12V, 330mA
Overall Dimensions(mm)	410(W)×43(H)×206(D)
Net Weight	1.8Kg



**EH-38**  
Wireless Handheld Microphone

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Switching Bandwidth:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak deviation:	±45KHz
Max. Input Level:	Maximum input - 11dBv
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life(mm):	Approximately 8 hours
Dimensions:	50(Φ)×260(L)
Weight (without battery):	About 330g

### Key Features



#### AFS(Automatic Frequency Selection)

- AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



#### Anti-Interference

- Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 521.25MHz to 936.85MHz.



#### Intelligent Design

- The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (when the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.
- The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.
- The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.



#### Reliable Signal

- The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.
- It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.



#### IR Infrared

- With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.



#### Generality

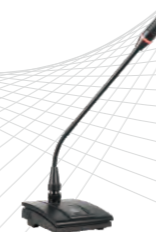
- 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.
- Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.



**ET-50**  
Wireless Bodypack Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
- The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)



**UD-2**  
Wireless Conference Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching Bandwidth:	470MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	20mW / 2mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak deviation:	< 45KHz
Gain Adjustment Range:	-10dB ~ +10dB
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	Approximately 8 hours
Dimensions(mm):	Base : 141×115×48 Microphone tube : 430mm
Weight (without battery):	1.0 Kg



EU-610 is a true diversity wireless receiver independently developed by Relacart; you can choose a handheld microphone, a body bag lavalier microphone or a headset microphone, and a desktop gooseneck conference microphone; it adopts true diversity FM superheterodyne receiver to ensure RF reception The stability of the signal and the anti-interference of the receiver itself; the operating frequency range is 521.25MHz~936.85MHz according to the radio wave control laws and regulations of various countries.

## Product Specification



## EU-610

Dual Channel Wireless  
Receiver

- EIA Standard Rack 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Receive Bandwidth:	521.25MHz~936.85MHz
Reception Mode:	FM superheterodyne true diversity reception
RF Sensitivity:	5dBμV, S/N>60dB at 25 deviation
Squelch Adjustment:	10dB to 40dB, 5dB per step
Frequency Sync:	IR Sync
Maximum Output level:	Maximum output +11dBV
Aadjustment Range Of Audio Output Level:	-6dB to +18dB, 3dB step
Power Supply Mode:	DC12V/1A
Normal Working Current:	DV12V, 330mA
Dimensions( mm):	410(W)×43(H)×206(D)
Net Weight:	1.8Kg

## Key Features



## AFS(Automatic Frequency Selection)

- AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.



## Anti-Interference

- Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 521.25MHz to 936.85MHz.



## Intelligent Design

- The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (when the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.
- The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.
- The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.



## Reliable Signal

- The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.
- It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.



## IR Infrared

- With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.



## Generality

- 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.
- Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.



## EH-56

Wireless Handheld  
Microphone

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Switching Bandwidth:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak Deviation:	±45KHz
Max. Input Level:	Maximum input - 11dBv
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life(mm):	Approximately 8 hours
Dimensions:	50(Φ)×260(L)
Weight (without battery):	About 330g

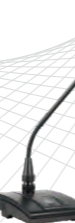


## ET-50

Wireless Bodypack  
Transmitter

- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
- The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AA×2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)



## UD-2

Wireless Conference  
Microphone

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching Bandwidth:	470MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	20mW / 2mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	<45dB
Modulation:	FM
Nominal/ Peak deviation:	< 45KHz
Gain Adjustment Range:	-10dB ~ +10dB
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	Approximately 8 hours
Dimensions(mm):	Base : 141×115×48 Microphone tube : 430mm
Weight (without battery):	1.0 Kg

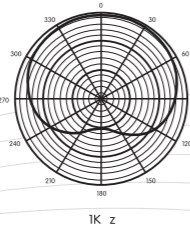
WIRED MICROPHONES



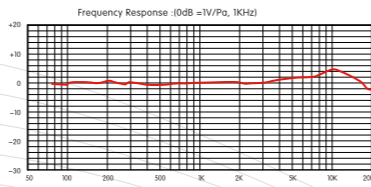
PM-100  
Professional Condenser Microphone

- According to the frequency characteristics of human voice, electro-acoustic technology is applied to design and provide a clear reproduction of the original sound.
- It is especially suitable for professional performances on medium and small stage.
- The Cardioid directional pickup can effectively enhance the main sound source and suppress background noise.
- The microphone tube body is made of metal material, with low noise and strong durability.
- High strength anti-slip metal mesh can effectively protect the microphone from damage.
- The sound transmitting unit has the function of air filtration, and can eliminate the breath noise when singing.
- The structure of multi-layer head protection network can strengthen the protection of recording broken sound without affecting the quality of high-pitch sound.

Capsule Type:	Condenser
Polar Pattern:	Cardioid Unidirectional
Frequency Respond:	50Hz-20khz
Sensitivity:	-44 dB (1V/Pa)
Output Impedance:	280Ω
Max Windstand Sound Pressure:	120dB, 1KHz at 1%T.H.D.
Dynamic Range (Typical):	115dB, 1KHz at max sound pressure
S/N:	>72dB(A), 1KHz at 1Pa
Phantom Power:	11-52VDC
Current Consumption:	4mA(Typical)
Output Connector:	Male 3-pin XLR
Size(mm):	Φ51×190
Weight(g):	Approximately 365



Polar Patterns

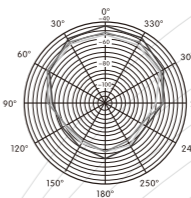


Spectrum graph

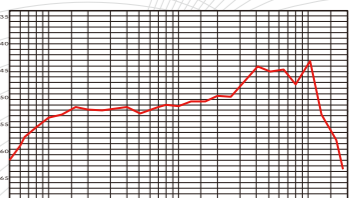
SM-300  
Cardioid Dynamic Microphone

- High-output design for vocals that cut through the mix.
- Cardioid polar pattern reduces pickup of sounds from the sides and rear.
- Tailored for smooth, nature vocal reproduction.
- Rugged all-metal construction for reliable performance.
- Silent on-off operation thanks to vacuum magnetic switch.

Capsule Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	50Hz-14000Hz
Output Impedance:	600Ω+/-30%(at 1KHz)
Sensitivity:	-58dB+/-3dB(1V/Pa)
Switch:	Magnetic Lock switch
Output Connector:	Male 3-pin XLR
Dimensions:	Φ51×190mm
Weight:	343g



Polar Patterns



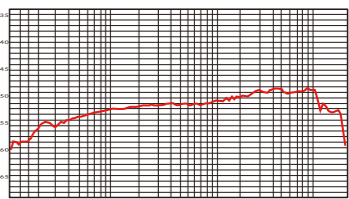
Spectrum graph



KM-100  
Cardioid Dynamic Microphone

- Cardioid polar pattern reduces pickup of sounds from the sides and rear.
- Excellent middle and low frequency sound tailored for KTV rooms
- Rugged, all stainless steel design and construction for years of trouble-free use.
- Silent on-off operation thanks to vacuum magnetic switch.

Capsule Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	45Hz-14000Hz
Output Impedance:	600Ω+/-30%(at 1KHz)
Sensitivity:	-58dB+/-3dB(1V/Pa)
Switch:	Magnetic Lock switch
Output Connector:	Male 3-pin XLR
Dimensions:	Φ49×186mm
Weight:	354g



Spectrum graph

MiLIVE

PREMIUM SMALL-DIAPHRAGM  
CONDENSER MICROPHONE



The Relacart MiLIVE is a premium 1/2" small-diaphragm condenser microphone designed for applications such as studio recording and live performance on stage. It also provides ultra-low self-noise and a smooth, balanced sound. It features the supercardioid pattern and wide frequency response allow the MiLive to record the desired sound source while reducing the level of other surrounding instruments, noise or sound sources.

Key Features



Condenser

- Small Diaphragm Condenser



Super cardioid

- Adopts a hemispherical unidirectional feature and excellent sound pickup to ensure high-quality speech intelligibility.



Ultra-low Noise

- Ultra-low self-noise.



Lightweight All-metal

- Metal structure, strong and durable.



XLR Output

- XLR output connectors.



48V 48V

- Powered by 48V phantom power.

MiLIVE

SMALL-DIAPHRAGM  
CONDENSER MICROPHONE

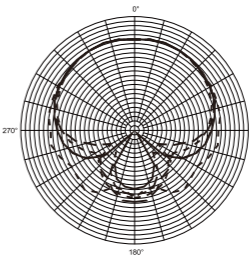
Product Specification



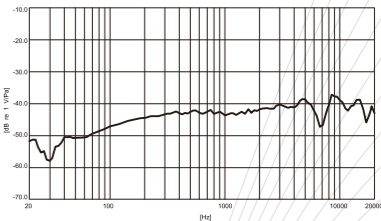
MiLIVE

Small-Diaphragm  
Condenser Microphone

Microphone Type:	Condenser microphone
Polar Pattern:	Supercardioid
Frequency Response:	50HZ-20KHZ
Maximum Input SPL:	130dB , 1KHz at 1% THD
S/N Ratio:	90dB , 1KHz at 1% THD.
Dynamic Range:	90 dB, 1 KHz at Max SPL
Sensitivity:	-45 dB at 1 V at 1 Pa
Dimensions (mm):	24 (Φ)×115 (L)
Weight (g):	125



Frequency:



R-M18

Stereo Microphone  
Spacing Bar



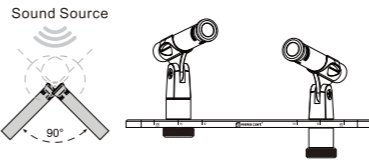
Dimensions (mm):	260(L)×32(W)×54(H)
Weight (g):	210

- The Relacart R-M18 is a device that mounts two microphones in a stereo array and easily captures stereo sound, with clearly marked spacing up to 20cm, and angle and measurement metrics for ORTF and X-Y positioning.
- Featuring 3/8" mounting threads with included spacing clips for easy positioning of stacked arrays, the sturdy ABS construction makes the R-M18 Stereo Stand stable and durable, allowing it to easily support the weight of two large-diaphragm microphones.
- Suitable for Studio recording and stage live performance, etc.

Stereo Mounting Techniques

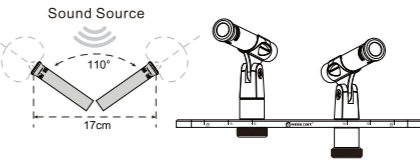
i Stereo X-Y

This stereo pickup mode has the advantages of more accurate vocal or instrumental sound and better mono compatibility.



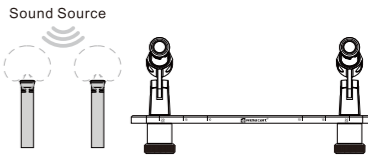
ii Stereo ORTF

The advantage of this stereo pickup mode is that it can locate the sound more accurately.

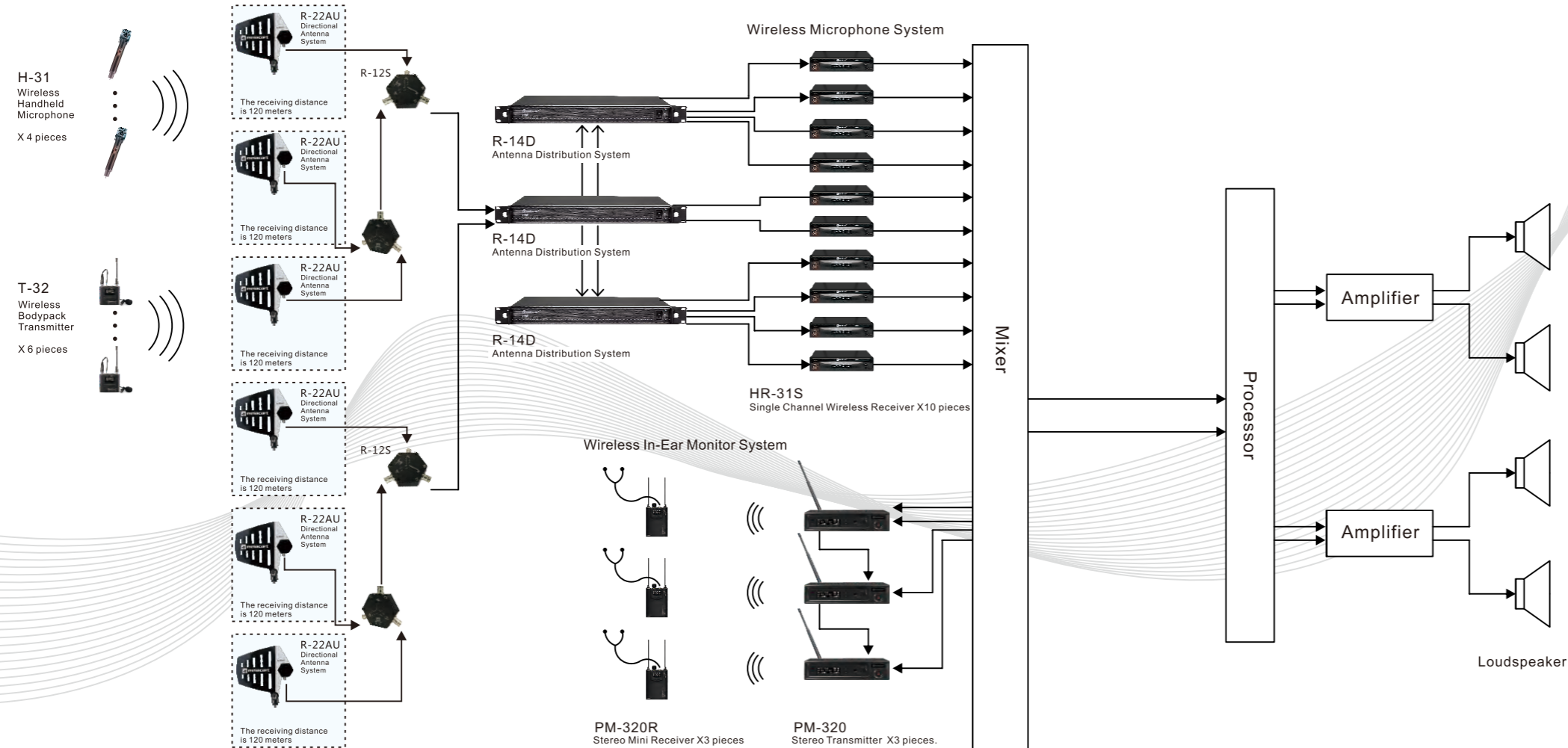


iv Stereo spaced pair

This stereo pickup mode has the advantages of wide pickup range and low frequency response.



## PRODUCT APPLICATION EXAMPLES --PROFESSIONAL PERFORMANCE



Take a large scale stage performance for example, combining Relacart products, we set a complete wireless sound system.

### Wireless Microphone System

According to the rea-time performance, we need 4 sets of HR-30SMH Wireless Handheld and 6 sets HR-31SME Wireless Headset Microphone.

### Antenna Distribution System:

As the distance between the control room and the stage is quite far, we use 3 sets of R-14D antenna distribution system and 2 pairs of R-22AU directional antenna system, make sure the scene wireless microphone system signal reliable.

### Wireless In-ear Monitor System

To guarantee the performance quality, we choose 3 sets of wireless in-ear monitor for the performers.

### Sound Audio System List:

HR-31S Single Channel Wireless Receiver\*10 pieces  
H-31Wireless Handheld Microphone\*4 pieces  
T-32Wireless Bodypack Transmitter\*6 pieces  
HM-600B Wireless Headset Microphone\*6 pieces  
R-14D Antenna Distribution System\*3 pieces  
R-22AU DirectionalAntenna System\*3 pairs  
PM-320R Stereo Mini Receiver\*3 pieces  
PM-320 Stereo Transmitter\*3 pieces.

# WDC-923

## WIRELESS CONFERENCE DISCUSSION SYSTEM



WDC-923 digital wireless conference discussion system, with professional appearance design, perfect circuit composition and stable functional characteristics, can be cooperated with VTS-2000 automatic video tracking system and central control system to achieve functional diversification of modern high-tech conference. The data instruction of this wireless conference discussion system is transmitted by LoRa protocol. Audio works in UHF band. High fidelity circuit design can produce high quality sound effect.

### Key Features



#### Practical Function

- With [AFS] (Auto Frequency Selection) function, the system automatically searches for a frequency without interference and replaces the interfered channels.
- The conference unit can be selected to turn-on automatically or manually. When the Auto-ON is selected, the conference unit will be ON automatically when turn on the central controller.
- The super anti-interference technology can effectively block the interference of computers, mobile phones and bluetooth devices in the environment.



#### LoRa communication protocol and UHF audio transmission protocol

- Using LoRa protocol 433Mhz wireless control signal, UHF audio transmission technology.



#### Dante Audio Transmission Protocol

- With Dante interface, it can communicate with any device with Dante to transmit audio.



#### Expansibility

- With antenna interface, it can be used in conjunction with the antenna system of Relacart, and the transmission signal is very strong.
- Any number of wireless conference systems can be installed in the same building.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.
- Equipped with RS-232 interface, it can connect various central control devices.

### Product Specification



## WDC-923

Digital and Wireless Conference  
Discussion Systems

- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Six Channels
Frequency Reliability:	±0.005%
Carrier Frequency Range:	UHF 521.25MHz-936.85MHz
Sampling Rate:	48KHz /24bit
Modulation:	FM
Operating Distance:	80M (in open space)
Oscillation:	PLL synthesized
Bandwidth:	32MHz
Max. Deviation:	±45KHz
S/N:	>100dB
THD:	<0.5%@1KHz
Frequency Response:	50Hz-18KHz
Output:	Balanced XLR-M, 2 RCA
Power Supply:	AC110-240V 50/60Hz
Weight:	Approximately 3.2 kg
Dimension(mm):	480(W)×350(D)×43(H)



WDC-923C  
Wireless  
Chairman Unit



WDC-923D  
Wireless  
Delegate Unit

- It is a desktop conference microphone, it uses a new square microphone tube and a supercardioid condenser capsule to accurately pick up sound and reduce the interference noise of environmental.
- The indicator light has an RGB LED that shows the mode status. The factory default color is red for mute and green for sound pickup, and users can also change different colors to suit their preference.

Carrier Frequency Range:	521.25MHz-936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz
Max. Deviation:	±45KHz
RF Output Power:	30mW
Power Supply:	BP-10Li-Li-ion polymer rechargeable battery 3.7V/2900mA
Current Consumption	120 mA(Typical) 60mA (standby mute)
Working Time:	23 Hours(typical) 48 Hours(standby /mute)
Weight:	910g
Dimension(mm):	162(L)×125(W)×54(H)



WDC-933C  
Wireless  
Chairman Unit



WDC-933D  
Wireless  
Delegate Unit

- VTS-2000 Video Tracking System can be used in conjunction with any conference system with video function of Relacart to realize video tracking function. When the speaker unit opens the microphone, the camera will automatically track the speaker's position, and connect the video display device to display the image. Unique picture static function, can achieve perfect automatic tracking image function.

Equipment Type:	HD Video Main Controller
Working Power:	AC 100~240V, 50/60Hz
Frequency Response:	143Mb/s to 2.97Gb/s
Gain:	0dB
Signal Type:	SDI(HD digital signal) HD cctv1.0 HD-SDI(ST292), 3G-SDI(ST424), SD-SDI(259)
Input Return Loss:	21dB@5MHz-3GHz
Video Input:	800mVp-p
Video Output:	800mVp-p
Compatible Standard:	Pelco-D, pelco-P, Visca
Control Protocol:	RS-232, RS-422, RS-485
Baud Rate:	9600
Data Bits:	8 Bits
Video Input/Output Impedance:	75Ω
Input/Output Port:	BNC
Dimension(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.3 kg



## VTS-2000

Automatic Video Tracking  
System



## DC-903

Data Communication  
Converter

- DC-903 is a data communication converter for the WDC serie wireless conference system
- With mature and stable wireless communication protocol, LoRa it has the advantages of high stability, high performance, high security, low latency and low power consumption

Working Frequency Range:	400~450MHz
Gain:	16dBm
RF Input Port:	N female
Data Communication Port:	RJ45 connector
Power Supply:	Powered by the controller through the CAT5 cable
Material:	Black anodized aluminum (package)
Dimension(mm):	42(W)×42(D)×105(H)
Weight:	150g

# WDC-903

## WIRELESS CONFERENCE DISCUSSION SYSTEM



WDC-903 digital wireless conference discussion system, with professional appearance design, perfect circuit composition and stable functional characteristics, can be cooperated with VTS-2000 automatic video tracking system and central control system to achieve functional diversification of modern high-tech conference. The data instruction of this wireless conference discussion system is transmitted by LoRa protocol. Audio works in UHF band. High fidelity circuit design can produce high quality sound effect. The system has anti-interference protection, which can effectively block the influence of computers, mobile phones and Bluetooth wireless devices in the environment. It is fully applicable to local government departments, business conference rooms, business venues and international conference centers.

### Key Features

#### Practical Function

- Adopt LoRa 433MHz wireless control signal and UHF audio transmission technology.
- The system automatically searches interference-free channels and replaces them.
- Control up to 255 Wireless Discussion units, up to 5 wireless units can speak at the same time.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- Super anti-interference function can effectively block the impact of computer devices, mobile phones and Bluetooth devices in the environment.
- The conference unit can automatically select or manually start the power supply. When it chooses to turn on automatically, the central controller will send the instruction to the conference unit at the same time, which automatically turns on the power supply and works in the mode after receiving the instruction.

#### Flexible Speech

- Four conference modes:
  - ① Time-limited Mode
  - ② First in First out Mode
  - ③ Application Mode
  - ④ Voice-activated Mode

#### Expansibility

- With antenna interface, it can be used in conjunction with the antenna system of Relacart, and the transmission signal is very strong.
- Any number of wireless conference systems can be installed in the same building.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.
- Equipped with RS-232 interface, it can connect various central control devices.

#### Easy Installation

- The unique advantages of simple installation, easy and fast, and no impact on the installation site, especially for the installation or layout of historical museums, ancient buildings and other historical and cultural buildings, users need not worry about damage to ancient buildings, because they do not need wiring, nor drilling holes, providing a professional perfect solution for harsh and complex application occasions.

### Product Specification



## WDC-903

Digital and Wireless Conference  
Discussion Systems

- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Six Channels
Frequency Reliability:	±0.005%
Carrier Frequency Range:	UHF 521.25MHz-936.85MHz
Sampling Rate:	48KHz /24bit
Modulation:	FM
Operating Distance:	80M (in open space)
Oscillation:	PLL synthesized
Bandwidth:	32MHz
Max. Deviation:	±45KHz
S/N:	>100dB
THD:	<0.5% @1KHz
Frequency Response:	50Hz-18KHz
Output:	Balanced XLR-M, RCA*2 Dante*2
Power Supply:	AC110-240V 50/60Hz
Weight:	Approximately 3.2 kg
Dimension(mm):	480(W)×350(D)×43(H)



WDC-903C  
Wireless  
Chairman Unit



WDC-903D  
Wireless  
Delegate Unit

- It is powered by detachable lithium battery, charged by WDC-903 special charging box, or charged directly by USB interface of conference unit.
- It can work continuously for 16 hours and stand by for up to 24 hours at full power.
- Bright OLED display can display battery capacity, speech mode, time limit and other working conditions at the same time.
- Super anti-interference ability of mobile phone.
- With a halo-type work indicator.
- Use high-quality capacitive condenser microphone head to achieve high-quality sound pickup.
- Wireless conference technology can easily build a temporary system, beautiful and neat, without any impact on the installation site.

Carrier Frequency Range:	521.25MHz-936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz
Max. Deviation:	±45KHz
Input Jack:	3-pin XLR jack
RF Output Power:	15mW
Power Supply:	Li-ion polymer rechargeable battery 3.7V/2900mA
Current Consumption:	120 mA (Typical) 60mA (Standby)
Working Time:	23 Hour(Classical) 48 Hour(Standby)
Weight:	910g
Dimension(mm):	162(L)×125(W)×54(H)



WDC-943C  
Wireless array Chairman Unit



WDC-943D  
Wireless array Delegate Unit

- The wireless array microphone adopts a metal streamlined desktop design with OLED display. The array microphone has an ultra-long pickup distance of 80CM and a deeper pickup range, and its directional characteristics are significantly improved compared to ordinary cardioid microphones.

Carrier Frequency Range:	521.25MHz ~ 936.85MHz
Oscillation Mode:	PLL frequency synthesis technology
Bandwidth:	134MHz
Max. Deviation:	±45KHz
RF Output Power:	30mW
Power Supply:	Lithium-ion polymer rechargeable battery

## DC-903

Data Communication  
Converter



- DC-903 is a data communication converter for the WDC serie wireless conference system
- With mature and stable wireless communication protocol, LoRa it has the advantages of high stability, high performance, high security, low latency and low power consumption

Working Frequency Range:	400~450MHz
Gain:	16dBm
RF Input Port:	N female
Data Communication Port:	RJ45 connector
Power Supply:	Powered by the controller through the CAT5 cable
Material:	Black anodized aluminum (package)
Dimension(mm):	42(W)×42(D)×105(H)
Weight:	150g

## Application:

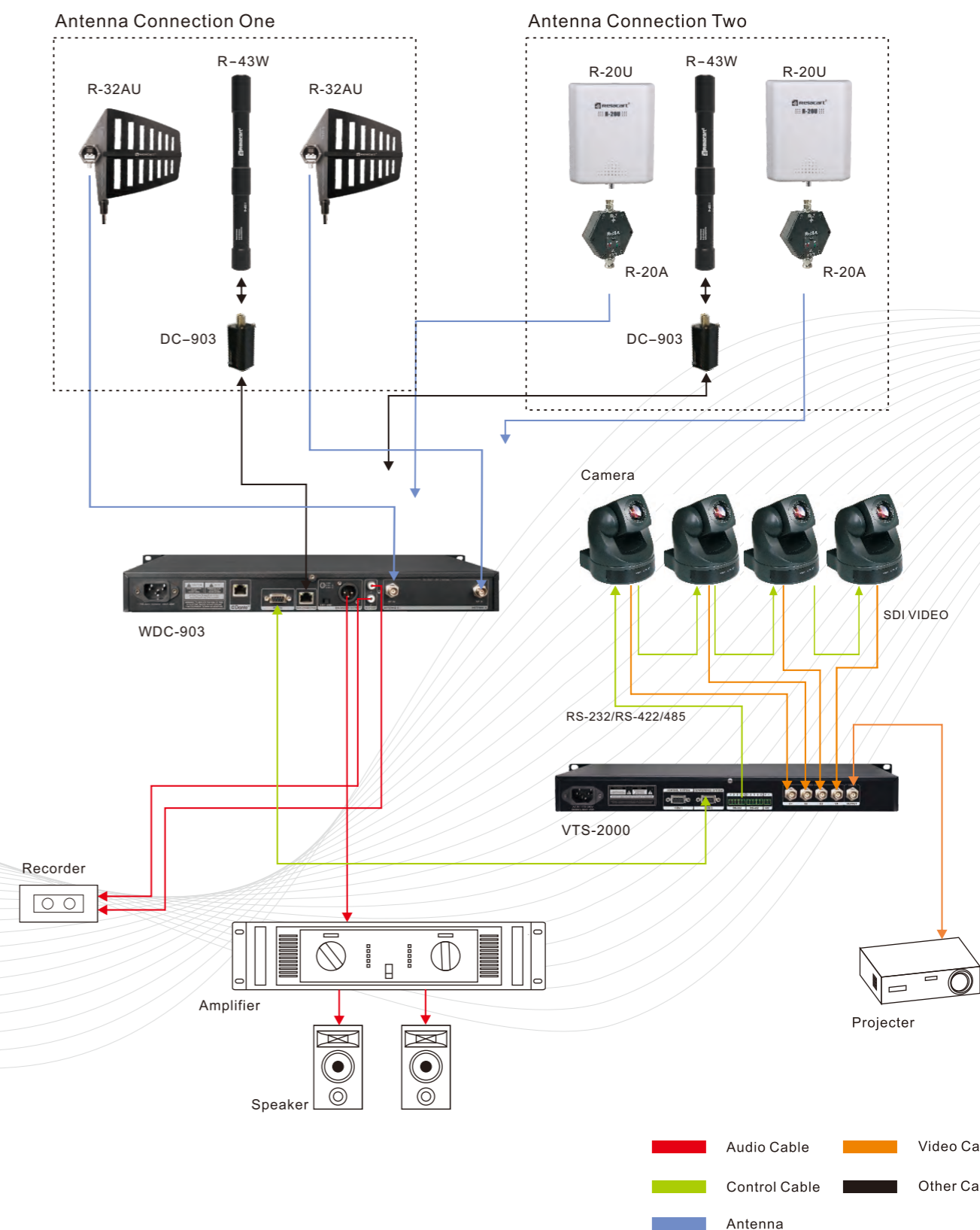


## Application Schematic Diagram:



- ①R-32AU
- ②R-32AU
- ③R-43W
- ④WDC-903 Chairman Unit
- ⑤WDC-903 Delegate Unit

## System Connection Diagram



# WAM-432

WIRELESS AUTOMATIC MIXER



WAM-432 Wireless Automatic Mixer is the new generation series product made by Relacart, who has strong R & D strength, used high performance microcomputer processor as core design. Professional and novel appearance, comprehensively combine digital control technology with advanced audio processing technology and network technology, intelligent control, fully automatic operation. With desktop and handheld, bodypack, boundary type transmitter for choice, can adapt to different applications of flexible configuration. Cooperate with Relacart VTS-2000 Video Tracking System to realize automatic video tracking function. This model apply to high requirement multi-function room, small to medium performance occasions, boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

## Key Features



### Practical Function

- Automatic gain adjustment by microprocessor control.
- True diversity receiving for best reception quality. "NoiseStop" circuits prevent interference.
- Circuit design of high fidelity can automatically calculate the most suitable for the whole system gain, avoid the feedback.
- Microphone input gain is adjustable. UB-222 and UD-222 is set with low-cut switch, applying to different environment.
- Output level is adjustable.



### Easy Installation

- Convenient installation, simple operation. No need to dig holes or lain lines, can install the system on the spot for real time setting.



### Flexible Expansion

- Cascaded connection function, can daisy chain up to 8 pieces of WAM-432, 32 microphone delegate can be used at the same time.
- Make the setting in one of the receivers, the data will be synchronized to the other receiver of cascade, wireless intelligent mixer is equivalent to a table up to 32 channels.
- Video tracking function. Combine VTS-2000 video tracking system to realize the function.
- Central control function to control the delegate.



### Flexible Speech

- Speaker Number Limitation function, select the simultaneous open microphones to 1 unit, 2 units, 3 units or 4 units.
- Last microphone on selectable for continuous room ambiance.
- Microphone hold time for 0.1s-1s.
- Priority microphone function



### Super Wide Frequency Range

- 134MHz super wide band width, over 500 selectable UHF frequencies, true diversity receiving, reliable and anti-interference.
- Super wide frequency range UHF554MHz~936 MHz
- Group type frequency selection, more easily select no intermodulation interference frequency.



### A variety of Input and Output

Several inputs / outputs for audio signals:  
 --RCA outputs to realize long distance with low noise transmission.  
 --RCA inputs / outputs for recordings.  
 --Unbalanced line outputs (6.3mm jack ).  
 --Balanced XLR outputs.

## Product Specification



## WAM-432

Digital&Wireless Automatic Mixer

- EIA Standard Rack 1U metal chasis, combining with delicate OLED display aluminium alloy panel, professional and elegant.
- Backlit OLED display shows microphone status, operation mode, master working status, speaker numbers, AF audio signal.
- Equipped with handle, easy for lift or move.

Carrier Frequency Range:	521.25MHz~936.85 MHz
Receiving Channel:	4 Channel
Receiving Mode:	True Diversity
Frequency Reliability:	0.005 %
Bandwidth:	32MHz
Receiving Mode	FM
Receiving Sensitivity:	5dBμV, S/N>60dB at 25 KHz deviation
Max. Deviation Range:	±45KHz
Distortion:	<0.9 % @1KHz
Frequency Response:	65Hz-16KHz ±3dB
S/N:	>100dB
Audio Output:	XLR socket
Audio Cascading:	Double-layer S terminal socket
Data Cascading:	Double-layer S terminal socket
Communication Port:	RS-232
Power Supply:	DC 12V / 1000mA
Dimension(mm):	410(W)×206(D)×43(H)
Weight:	2.5kg

## UD-222

Wireless Conference Microphone



## UD-223

Wireless Conference Microphone



## UD-903

Wireless Conference Microphone



- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function OLED display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	20mW/2mW
Volume Potentiometer:	-10~10dB
Low Cut Switch:	200Hz below
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Dimensions (mm)	145(L)×115(W)×48(H)
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 830g (w/o battery)

- UD-223 is a desktop gooseneck wireless conference microphone base with simple design style, solid and durable metal material, and silent touch switch.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	10mW
Volume Potentiometer:	-10~10dB
Low Cut Switch:	200Hz below
Battery:	AAx4
Current Consumption:	180mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths(mm):	340/420(default)/480
Dimensions (mm)	170(L)×129(W)×49(H)
Weight:	Approximately 580g (w/o battery)

- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function OLED display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

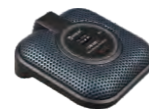
Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz
Max. Deviation:	±45KHz
Input Jack:	3-pin XLR jack
RF Output Power:	15mW
Power Supply:	Li-ion polymer rechargeable battery 3.7V/2900mA
Current Consumption:	120 mA (Typical) 60mA (Standby)
Working Hour:	23 Hour(Classical) 48 Hour(Standby)
Weight:	910g
Dimension(mm)	162(L)×125(W)×54(H)

- The microphone switch can control or be controlled by external automatic central control system or other devices.
- Superior off-axis rejection for maximum gain before feedback.

Carrier Frequency Range:	470MHz~936.85 MHz
Modulation:	FM
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max.Deviation Range:	±45KHz
Elements:	Fixed-charge back plate, permanently polarized condenser
Polar Pattern:	Cardioid (120° sound-pickup angle)
RF Output Power:	25mW/4mW
Dynamic Range:	>95dB, A Weighting
Audio Potentiometer:	-10~10dB
Frequency Response:	50Hz-17KHz
Low-cut Switch:	200Hz/-6dB
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/Life:	Approximately 9 hours
Dimension (mm):	110(W)×110(D)×40(H)
Weight:	Approximately 505g

## UB-222

Wireless Boundary Microphone











- EIA standard Rack 1U metal.
- Front panel with 256x64 dot matrix OLED display and setting touch key, camera control key.
- Rear panel with DC-12V power supplier, 5 channels balance audio mixing input and 1 channel balance mixing output. 5 channels mixing data RJ11 interface , 4 channels high definition video input and 1 channel high definition video output, two camera control interface(RS-232 and RS-422), external RS-232 interface.
- Support the mixer data control and audio mixing connection, high definition camera connection. Constitute audio, video and the central control device. Cascade up to 5 mixers and 4 high definition cameras.
- Support the system automatic frequency calculation. The cascaded wireless mixers can be automatic calculate and setting the noninterference frequency, it can provide up to 20 clean frequencies.

- Support mixer data control, audio mixing connection, HD camera connection.
- It can support 20 mixers and 4 HD cameras.
- Support system automatic frequency calculation.

Power Supply:	DC 12 V
Current:	0.23A
Frequency Response:	20 Hz to 20 kHz+0/-1dB
Total Harmonic Distortion:	<0.03% (f=1KHz)
S/N Ratio:	>98 dB (THD<1%, f=1KHz)
Dynamic Range:	98dB
Video Input:	BNC female
Video Output:	BNC female
Video Interface Impedance:	75 ohms
RS-232 control protocol interface:	5P fast connection
RS-422 control protocol interface:	5P fast connection
RS-232 control protocol interface:	9-pin serial port
Data Interface:	RJ11
Audio Output:	XLR female
Audio Input:	XLR male
Display Type:	OLED
Button Mode:	Touch Button
Dimensions (mm):	410(W)×206(D)×43(H)

The diagram illustrates the connection of the R-14D receiver to various components. It shows two antenna connection options: 'Antenna Connection One' using two R-32AU antennas, and 'Antenna Connection Two' using two R-20U antennas with R-20A adapters. The receiver (R-14D) has multiple inputs for these antennas. It is connected to two WAM-432 processors (indicated as 'x2') via blue and orange cables. The WAM-432 processors are then connected to an AMC-20 processor. The AMC-20 processor is connected to an Amplifier, which in turn drives two Speakers. Additionally, the receiver is connected to three CAMERA RC-808TV units via orange and green cables.

-  Audio Cable
  Video Cable
-  Control Cable
  Power cord
-  Antenna
  Telephone line

# WAM-402

## WIRELESS AUTOMATIC MIXER



WAM-402 full automatic intelligent wireless mixer is a new business conference solutions,DSP processor with high performance, adopt advanced digital control technology and audio processing technology, easy to achieve high quality signal processing,intelligent management in the real-time, flexible configuration, etc. Enable to set up a wireless conference system in a fast speed. According to any occasion and application, equipped with RS-232 interface can be connected with various central control equipment. Applicable to all kinds of business meetings, educational institutions, hotels,conference rental,system reconstruction etc.

### Key Features

#### Practical Function

- Built-in high-performance DSP processor, can processing system gains and environment noise automatically and avoid howling effectively.
- Noise Adaptive Threshold (NAT) manages the audio system by distinguishing dynamic audio (such as speech) and the noise floor (such as air conditioning).
- It continuously adjusts the activation threshold, so that only speech level louder than the background noise can open a channel.

#### Super Wide Frequency Range

- UHF band 521.25-936.85MHZ,AFS"Auto Frequency Selection"antenna diversity.
- Each channel has 32 frequencies,4 channels total 128 frequencies for selection.

#### Flexible Configuration

- Cooperates with RELACART wireless boundary microphone UB-1, wireless conferencing microphone UD-1,wireless handheld microphone UH-1or wireless lapel microphone ET-60

#### A Variety of Input And Output

- Several inputs / outputs for audio signals:
- Unbalanced line outputs (6.3mmjack )
  - Balanced XLR outputs.

#### Flexible Speech

- Select the simultaneous open microphones to 1 unit, 2 units.3 units or 4 units.
- Last microphone on selectable for continuous room ambiance
- Microphone holds time for 0.1s to 1s.
- With priority microphone function.

#### Easy Installation

- No cables have to be laid or holes drilled. People no longer to worry about the damaging antique materials of a grand hall.

#### Flexible Expansion

- 4-unit daisy chain by accessory link cable to control up to 16units microphones.
- Can connect with Video Tracking System VTS-2000 for automatic camera tracking.
- Can connect with intelligent central control system.

### Product Specification



## WAM-402

Digital&Wireless Automatic Mixer



## UD-1

Wireless Conference Microphone



## UB-1

Boundary Microphone



## UH-1

Wireless Handheld Microphone



## ET-60

Wireless Bodypack Transmitter

- EIA Standard Rack 1U metal chassis, combining with delicate OLED display aluminium alloy panel,professional and elegant.
- Backlit OLED display shows microphone status, operation mode, master working status, speaker numbers, AF audio signal.
- Equipped with handle, easy for lift or move.

Tuning Bandwidth:	521.25MHz~936.85 MHz
Bandwidth:	32MHz
Receiving Mode:	PLL FM
Image Rejection:	>60dB
Adjacent Channel Rejection:	300KHz ≥63dB
Intermodulation Attenuation:	≥65dB
RF Sensitivity:	S/N>60dB at 25 deviation
Squelch Adjustment:	5~30dB
Frequency Sync:	IR Sync
Maximum Output Level:	+12dBu
Adjustment range of audio output level:	00~25
Power Requirements:	DC 12V1A
Current Consumption:	DC 12V.630mA
Overall Dimensions(mm):	410(W)x216(D)x43(H)
Net Weight:	2.5kg

- Desktop gooseneck wireless conference microphone, simple design , durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Carrier Frequency Range:	470MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Microphone Lengths:	340/420(default)/480
Weight:	Approximately 830g (w/o battery)
Color:	Nickel Black

- Desktop wireless interface microphone, simple design style, durable metal material, multi-functional LCD display, built-inhigh-pass filter and gain adjustment function, silent touch switch, can set switch mode suitable for video conferencing, all levels of institutions and otheroccasions.

Carrier Frequency Range:	470MHz~936.85 MHz
Modulation:	FM
Harmonic Radiation:	<45dBm
Bandwidth:	134MHZ(It depends on the region)
Max.Deviation Range :	±45KHz
Elements:	Fixed-charge back plate, permanently polarized condenser
Polar Pattern:	Cardioid (120°sound-pickup angle)
RF Output Power:	25mW/4mW
Dynamic Range:	>95dB,A Weighting
Audio Potentiometer:	-10~10dB
Frequency Response:	50Hz-17KHz
Low-cut Switch:	200Hz/-6dB
Battery:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/Life:	Approximately 10 hours
Dimension (mm):	110(W)×110(D)×40(H)
Weight:	Approximately 505g

- Handheld wireless microphone, simple design style and ergonomic concept, durable metal material, multi-function LCD display. Touch switch design. The capsule of handheld microphone can be removed and replaced. It's suitable for speech, singing and other occasions.

Carrier Frequency Range:	470MHz~936.85 MHz
Oscillation:	PLL synthesized
Harmonic radiation:	≤45dBm
Bandwidth:	134MHz (It depends on the region)
Max.Deviation Range:	±45KHz
Microphone Element:	Cardioid Dynamic /Cardioid Condenser
RF Power Output:	20mW/2mW
Battery:	AA X 2
Current Consumption:	110mA (Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ)×255(L)
Weight:	235g (w/o battery)

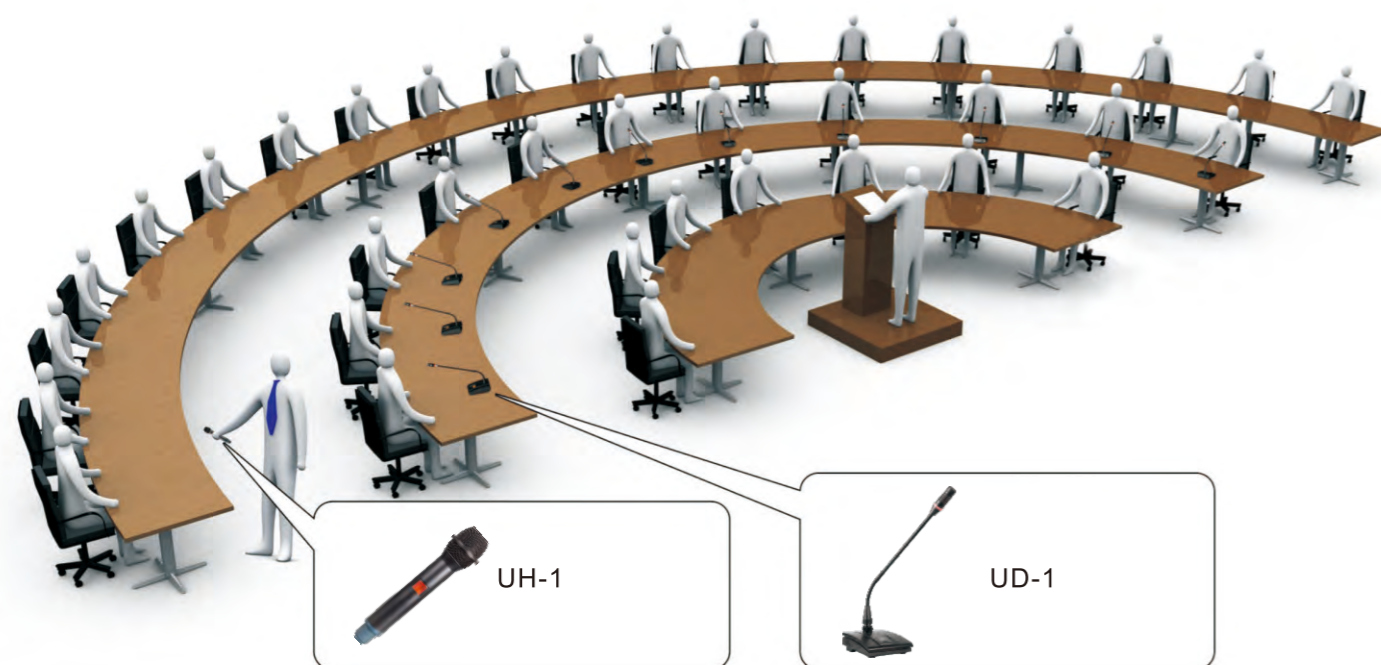
- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	470MHz~936.85 MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth:	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	20mW/2mW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	66(W)×23(D)×84(H)
Weight:	155g (w/o battery)

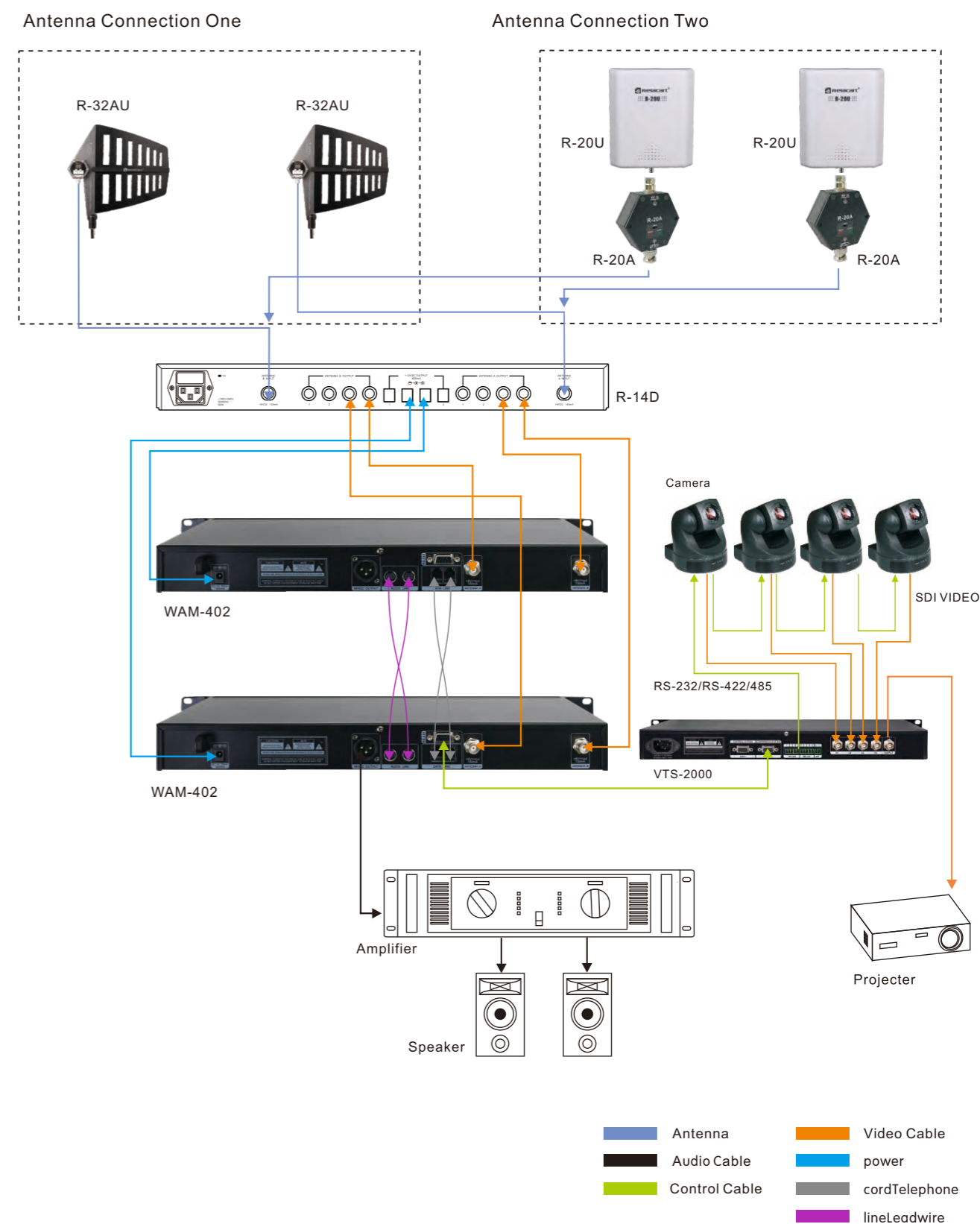
## Application:



## Application Schematic Diagram:



## System Connection Diagram



# CS-302

CONFERRNCING DISCUSSION SYSTEM WITH DANTE NETWORK INTERFACE



CS-302 is a simple and affordable conference discussion system. With exquisite design, focusing on application of various conferences, the newly developed sound activate mode, the participants don't need operating manually, just speaking to microphones directly, the microphone unit can be started to speak, simple to use, fully applicable to the various conference locations. This system is composed of software and hardware, adopt microprocessor control, the unit automatically detect settings, innovation speaking mode setting, limiting times setting, and implementation of system video preset functions. As a new generation of multi function, can be separated from the computer to use, convenient operation of the video tracking discuss conference system, is the ideal solution for conference engineering application.

## Key Features



### Practical Function

- Adopt the OLED display, can display the microphone status, operating mode, central controller status, the number of speaker, etc.
- 4 kinds of conference mode selection: FIFO, Automatic(with limiting time), Request, Sound activate.
- The central controller can select the number of speakers, active 2/3/4 microphones in a time.
- Support camera tracking, through the serial port RS-232 or RS-422communication protocol control up to 4 cameras, compatible with VISCA, PELCO-D, PELCO-P 3 kinds of camera control code protocol.
- With 4 video inputs and 1 video output port, SD and HD SDI video inputs and outputs are supported. HD SDI supports HDcctv1.0, HD-SDI (ST292), 3G-SDI (ST424) and SD-SDI (259).
- 9-pin serial port control interface can be connected to intelligent control system for camera tracking.
- Support Dante protocol, flexible to meet various engineering solutions.
- The newly developed high-voltage, low-current power supply system minimizes line voltage losses and minimizes the effects of overly long connecting cables. One cable to connect more conference units makes installation easier.
- Adopt using anti shedding aviation cable hand in hand connection mode, the connection is simple, reliable and stable, the whole system required engineering and installation costs can be reduced.



### Flexible expanding

- It is easy to expand and change configuration. The central controller connect up to 30 microphone units. If connect the EXP-124W, can connect up to 110 microphone units.
- Connecting telephone coupler can be applied directly to a remote call meeting.



### Flexible Speaking

- CS-302C and CS-501C chairman unit has the priority to override all delegate units, to control the atmosphere of the meeting.

#### Four Speech Mode:

- ① Time limiting: The speech time limit can be set to 1-60 minutes, and the speech will be automatically closed when the time is up. After reaching the power-on quantity, when another representative wants to speak, it will automatically enterthe request-to-speak registration queue.
- ② FIFO: FIFO mode (default). After reaching the power-on number, the speaking unit that was opened first is closed by the subsequent speaking unit.
- ③ Request: The speaking of the representative unit needs to be approved by the chairman unit or the operator. In this mode, the chairman unit always keeps the normally open state.
- ④ Voice Activated: When the microphone is turned on by voice, manual operation is not required. After the number of power-on is reached, the speaking unit that is turned on first is turned off by the subsequent speaking unit.



### Multiple Ports

- With record output can connect the recorder, all records can be fully recorded and saved, also can connect the external audio device.
- With anti drop 9P aviation plug and Cat5 TypeB network port



### Clear Sound Quality

- With automatic gain audio processing circuit, prevent feedback effectively and improve the clarity of the whole system.

## Product Specification



## CS-302M

Central Controller



CS-302C  
Chairman unit

CS-302D  
Delegate Unit



CS-501C  
Chairman unit

CS-501D  
Delegate Unit



CS-N1C  
Chairman unit



CS-N1D  
Delegate Unit

Chassis Pecifications:	EIA Standard Rack 1U
Supply Voltage:	90-264V AC or 127-370V AC, 47-63Hz
Static Power Consumption:	6W
Rated Power:	75W/24V
Maximum Power:	100W/24V
XLR Balances Carnon Maximum Output Level:	14.6dBu
Maximum output level of the 6.35mm balance socket:	14.6dBu
RCA lotus socket maximum output level:	9.8 dBu
RCA lotus socket maximum input level:	3.2 dBu
Conference Unit Extension:	Anti drop 9P aviation plug x 1, Network port (female) x1
Video Input Port:	BNC x 4
Video Output Port:	BNC x 1
Video Interface Impedance:	75Ω
9 pin serial port control interface:	DB9 Female plug x 1
Rs-232 control protocol interface:	5P Phoenix terminal X 1
Rs-422 control protocol interface:	5P Phoenix terminal X 1
Dante interface:	RJ45x1
Audio output:	XLRM x 1, 6.35mm jack x 1, RCA x 1
Audio input:	RCA x 1
Screen type:	OLED
Key mode:	Touch style
Dimension (mm):	410 (W)×206 (D)×43 (H)
Weight:	About 2.3kg

Polar Pattern:	Cardioid Condenser
Frequency Response:	50Hz-18KHz
Sensitivity:	-30dB+/-3dB(0dB=1V/Pa,f=1KHz)
SPL:	105dB(THD < 5%, f=1KHz)
S/N (A weighted):	> 100dBA(THD < 1%, f=1 KHz)
Distortion :	< 0.1%
Power Supply:	24V DC(supplied by the receiver)
Maximum Power of Speakers:	1.5W
Power Consumption:	0.8W-2.5W
Phone Connector:	3.5mm jack
Screen Type:	OLED
Unit Interface:	Anti drop 9P aviation plug
The length of microphone(mm):	340/420/480
The size of the microphone base:	182(L)×110 (W)×51(H)
Weight:	950g
Color:	Nickel black

Polar Pattern:	Cardioid Condenser
Frequency Response:	50Hz-20KHz
Sensitivity:	-20dB+/-3dB(0dB=1V/Pa,f=1KHz)
SPL:	110dB(THD < 5%, f=1KHz)
S/N(A weighted):	> 100dBA ( THD < 1% , f=1 KHz )
Distortion:	< 0.1%
Power Supply:	24V DC(supplied by the central controller)
Power Consumption:	0.72W
Unit Interface:	RJ45/CAT5 network port
Dimension (mm):	147 (L)×115 (W)×218 (H)
Weight:	about 670g



CS-360 is a simple and affordable Conference discussion system. With exquisite design, focusing on application of various conferences, the newly developed sound activate mode, the participants don't need operating manually, just speaking to microphones directly, the microphone unit can be started to speak, simple to use, fully applicable to the various conference locations.

## Product Specification



CS-360  
Central Controller

Chassis Pecifications:	EIA Standard Rack 1U
Supply Voltage:	90-264V AC or 127-370V AC , 47-63Hz
Static Power Consumption:	6W
Rated Power:	75W/24V
Maximum Power:	100W/24V
XLR Balances Camon Maximum Output Level:	14.6dBu
Maximum output level of the 6.35mm balance socket:	14.6dBu
RCA lotus socket maximum output level:	9.8 dBu
RCA lotus socket maximum input level:	3.2 dBu
Conference Unit Extension:	Anti drop 9P aviation plug x 1 , Network port (female) x1
Video Input Port:	BNC x 4
Video Output Port:	BNC x 1
Video Interface Impedance:	75Ω
9 pin serial port control interface:	DB9 Female plug x 1
Rs-232 control protocol interface:	5P Phoenix terminal X 1
Rs-422 control protocol interface:	5P Phoenix terminal X 1
Dante interface:	RJ45x1
Audio output:	XLRM x 1, 6.35mm jack x 1, RCA Lotus x 1
Audio input:	RCA Lotus x 1
Screen type:	OLED
Key mode:	Touch style
Dimension (mm):	410 (W)×206 (D)×43 (H)
Weight:	About 2.3kg

## Key Features



## Practical Function

- Adopt the OLED display, can display the microphone status, operating mode, central controller status, the number of speaker, etc.
- 4 kinds of conference mode selection: FIFO, Automatic(with limiting time), Request, Sound activate.
- The central controller can select the number of speakers, active 2/3/4 microphones in a time.
- Support camera tracking, through the serial port RS-232 or RS-422communication protocol control up to 4 cameras, compatible with VISCA, PELCO-D, PELCO-P 3 kinds of camera control code protocol.
- With 4 video inputs and 1 video output port, SD and HD SDI video inputs and outputs are supported. HD SDI supports HDcctv1.0, HD-SDI (ST292), 3G-SDI (ST424) and SD-SDI (259).
- 9-pin serial port control interface can be connected to intelligent control system for camera tracking.
- Support Dante protocol, flexible to meet various engineering solutions.
- The newly developed high-voltage, low-current power supply system minimizes line voltage losses and minimizes the effects of overly long connecting cables. One cable to connect more conference units makes installation easier.
- Adopt using anti shedding aviation cable hand in hand connection mode, the connection is simple, reliable and stable, the whole system required engineering and installation costs can be reduced.



## Flexible Speaking

- CS-360C chairman unit has the priority to override all delegate units, to control the atmosphere of the meeting.
- Four Speech Mode:
- ①Time limiting: The speech time limit can be set to 1-60 minutes, and the speech will be automatically closed when the time is up. After reaching the power-on quantity, when another representative wants to speak, it will automatically enterthe request-to-speak registration queue.
  - ②FIFO: FIFO mode (default). After reaching the power-on number, the speaking unit that was opened first is closed by the subsequent speaking unit.
  - ③Request: The speaking of the representative unit needs to be approved by the chairman unit or the operator. In this mode, the chairman unit always keeps the normally open state.
  - ④Voice Activated: When the microphone is turned on by voice, manual operation is not required. After the number of power-on is reached, the speaking unit that is turned on first is turned off by the subsequent speaking unit.



CS-360C  
Chairman unit

CS-360D  
Delegate Unit

Polar Pattern:	Super Cardioid Condenser
Frequency Response:	50Hz-18KHz
Sensitivity:	-43dB+/-3dB(0dB=1V/Pa,f=1KHz)
SPL:	110dB(THD < 5%, f=1KHz)
S/N (A weighted):	> 60dBA ( THD < 1% , f=1 KHz )
Distortion :	< 0.1%
Power Supply:	24V DC(supplied by the receiver)
Maximum Power of Speakers:	0.72W
Weight:	670g
The Length of Microphone :	147(L)×115 (W)×218(H)
Unit Interface:	Wired network port



## Flexible Expanding

- It is easy to expand and change configuration. The central controller connect up to 30 microphone units. If connect the EXP-124W, can connect up to 110 microphone units.
- Connecting telephone coupler can be applied directly to a remote call meeting.



## Multiple Ports

- With record output can connect the recorder, all records can be fully recorded and saved, also can connect the external audio device.
- With anti drop 9P aviation plug and Cat5 TypeB network port



## Clear Sound Quality

- With automatic gain audio processing circuit, prevent feedback effectively and improve the clarity of the whole system.

# CS-102

## WIRED AUDIO CONFERENCE DISCUSSION SYSTEM



The CS-102 is a simple, affordable discussion audio conferencing system. CS-102M is the control center of the whole system, including conference mode selection, external output sound reinforcement level, line input function, etc. The system can accommodate 256 microphone units, with voice input automatic gain, howling suppression, FIFO and voice-activated functions. Apply to boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

### Product Specification



CS-102M  
Central Controller

- EIA Standard Rack 1U metal chassis.
- The speech number could be chosen in the central controller, and has first-in first-out function.
- Equipped with handle, which is easy for lift.

Main Voltage:	AC100-240V 50/60Hz
Maximum Power:	60W
Frequency Response:	65Hz-15KHz
S/N:	>85dB
(T.H.D):	<0.7%
Input:	LINE IN:0dBV (f=1KHz, THD <0.3%)
Output:	XLR:10dBV 6.3mm: -15dBV RCA:0dBV
Unit interface:	Anti-drop 9P aviation plug
RS-232 interface:	It can be connected to central control system or video tracking system.
Size(mm):	410(W)×206 (D)×43(H)
Weight(g):	Approximately 2.3Kg



CS-102C  
Chairman unit

CS-102D  
Delegate Unit

- Refined and elegant design, ergonomic and very modern.
- Comply with IEC60914 international standard.
- the chairman unit equipped with PRIORITY button and can override all the delegate units.
- Super cardioid condenser microphone to achieve high- quality sound pickup.
- Fixed microphone pole.

Main Voltage:	DC24 V
Power Consumption:	0.5 W
Polar Pattern:	Super cardioid
Frequency Response:	80Hz -18KHz
Unit Interface:	Anti-drop 9P aviation plug
Microphone Type:	Super cardioid condenser microphone
Distortion(T.H.D):	<0.7%
Sensitivity	-30dBv at 1V at 1Pa
Tabletop Size(mm): (without microphone)	105(W)×150 (D)×43(H)
Weight(g):	Approximately 785g

### Key Features



#### Practical Function

- With automatic gain audio processing circuit, it can effectively prevent the feedback and improve the clarity of the entire system.
- Gooseneck conference microphone design, the direction can be adjusted flexibly.
- The indicator on the conference unit shows the speaking status.



#### Flexible Speech

- Three operating modes: FIFO mode: 1/3/6 in a time, AUTO SPEAKING mode or voice-activated mode.
- CS-102C equipped with PRIORITY button and can override all the delegate units.



#### Anti-Interference

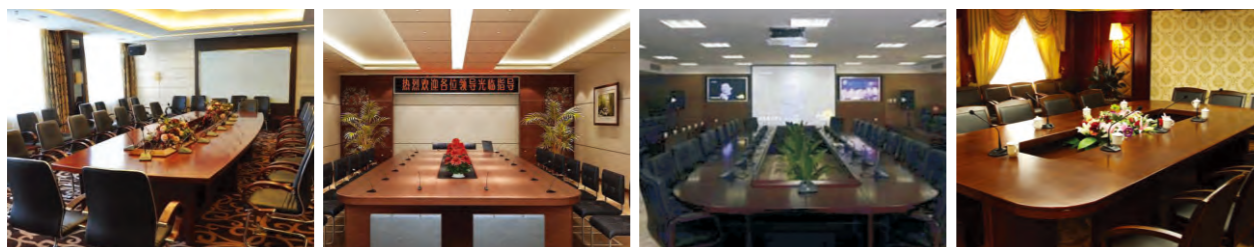
- It adopts the hand-in-hand connection method of anti-dropping aviation cable, which is simple, reliable and stable.



#### Flexible Expandability

- With RS-232 interface, it can be connected to central control system or video tracking system.
- The front panel is equipped with a USB interface, which can be connected to a USB flash disk to record the meeting process.
- It can be connected to the conference system expander EXP-124 for further unit expansion.

### Application:



CS-102BC  
Flush-mount  
Chairman Unit  
(with 9 pin connector)

CS-102BD  
Flush-mount  
Delegate Unit  
(with 9 pin connector)

- Refined and elegant design, ergonomic and very modern.
- Comply with IEC60914 international standard.
- The microphone has a bright ring to indicate working status.
- Microphone button with light indicator
- Cardioid condenser microphone to achieve high-quality sound pickup.
- Fixed microphone pole.

Main Voltage:	DC24 V
Power Consumption:	0.5 W
Polar Pattern:	Cardioid
Frequency Response:	65Hz -18KHz
Unit Interface:	Anti-drop 9P aviation plug /RJ45
Microphone Type:	Cardioid Condenser Microphone
Distortion(T.H.D.):	<0.7%
Sensitivity:	-20dBv at 1V at 1Pa
Base Size(mm):	132(W)×90(D)×52(H)
Pole Size(mm):	455(L)
Flush-mount Chairman /Delegate Base Weight:	Approximately 343g
Gooseneck Microphone Weight:	Approximately 163g



CS-501BC  
Flush-mount  
Chairman Unit  
(with RJ45 connector)



CS-501BD  
Flush-mount  
Delegate Unit  
(with RJ45 connector)

# CS-100 |

## CONFERENCING DISCUSSION SYSTEM



CS-100 is a practical and economical conference discussion system, elegant appearance, convenient installation, simple operation, widely apply to boardrooms, business meetings, educational institutions, hotels, conference rental, system reconstruction, etc.

### Product Specification



CS-100M  
Central Controller

- EIA Standard Rack 1U metal chassis;
- Equipped with handle, easy for lift or move.

Main Voltage:	100V-240V AC 50/60Hz
50W	
Current Consumption:	45W
Static Power:	500mW
Frequency Response:	55Hz-17KHz±2dB
S/N:	>90dB
Distortion(T.H.D):	<0.3%
Output Power:	15W/12V(Each Channel)
RCA Input:	-9dBV(f=1KHz, THD<0.3%)
XLR Output:	-10dBV
Unbalanced Line Output(6.3mm jack):	-15dBV
RCA Output:	-3dBV
Chairman/Delegate Unit Interface	Anti drop 9P aviation plug
Dimension(mm):	410(W)×206(D)×43(H)
weight(kg):	2.3



CS-100C  
Chairman Unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Anti-drop aviation cable, hand in hand connection way, simple connection, reliable and convenient for set up.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status;
- Black or silver for selection.

Main Voltage:	DC24 V
Polar Pattern:	Cardioid Condenser
Power Consumption:	110mA
Frequency Response:	65Hz-18KHz
S/N:	>90dB
Distortion(T.H.D):	<0.7%
Sensitivity:	-20dBv /Pa
Chairman/Delegate Unit Interface:	Anti-drop 9P aviation plug
Microphone Length: (Selectable)	340mm/420mm(default) /480mm
Tabletop Size(mm): (without microphone)	105(W)×150(D)×43(H)
weight(g):	780g
Color:	Nickel black



CS-100D  
Delegate Unit

- Advanced conferencing technology, compliant with ICE60914.
- Unidirectional condenser microphone for high quality sound pickup.
- Anti-drop aviation cable, hand in hand connection way, simply connection, reliable and convenient for set up.
- Priority bottom to switch off the speaking unit.
- With illuminated ring to indicate the working status;
- Black or silver for selection.

Main Voltage:	DC24 V
Polar Pattern:	Cardioid Condenser
Power Consumption:	110mA
Frequency Response:	65Hz-18KHz
S/N:	>90dB
Distortion(T.H.D):	<0.7%
Sensitivity:	-20dBv /Pa
Chairman/Delegate Unit Interface:	Anti-drop 9P aviation plug
Microphone Length: (Selectable)	340mm/420mm(default) /480mm
Tabletop Size(mm): (without microphone)	105(W)×150(D)×43(H)
weight(g):	780g
Color:	Nickel black

### Key Features



#### Clear Sound Quality

- Unidirectional condenser microphone for high quality sound pickup.
- Equipped with auto-gain audio process circuit, effective prevent the feedback.
- Built-in high performance processor, enable auto-process system gain, control feedback.



#### Flexible Speech

- Active 1/3/6 microphones in a time, AUTO speaking mode, chairman unit has the priority to override all delegate units.



#### Anti-Interference

- Special 9-pin aviation connection cable, effectively minimize the interference.



#### Flexible Expansion

- Can connect up to 60 microphone units.
- Audio input function, enable to connect to the external audio equipment.
- Connecting the telephone coupler can apply to the remote telephone conference directly.

### Application:



# DAM-128D

DIGITAL AUTOMATIC MIXER  
WITH DANTE INTERFACE



12-channel digital auto mixer with automatic opening only the signal input channel, the sound gate action level can be automatically adjusted, this function is only in the microphone when the working state will be activated, can try to avoid multiple open microphone sound' quality falling down. Easy to install, just set the session on the spot, that can play an automatic function, do not worry about the setting work. And can be selected according to the needs of automatic processing or forced to close the microphone manual processing function, under the auspices of the host, can make the meeting smoothly. Digital intelligent conference processor is the perfect combination of digital audio and digital control technology to high-performance DSP as the core, with dedicated control software, each channel can be set and adjusted in detail, comes with 12X8 matrix, support multiple levels, All intelligent conference management, can easily form a set of powerful, easy to operate digital intelligent conference system. It is applicable to the high demand of court, business center, conference center, hotel and TV station.

## Product Specification



## DAM-128D

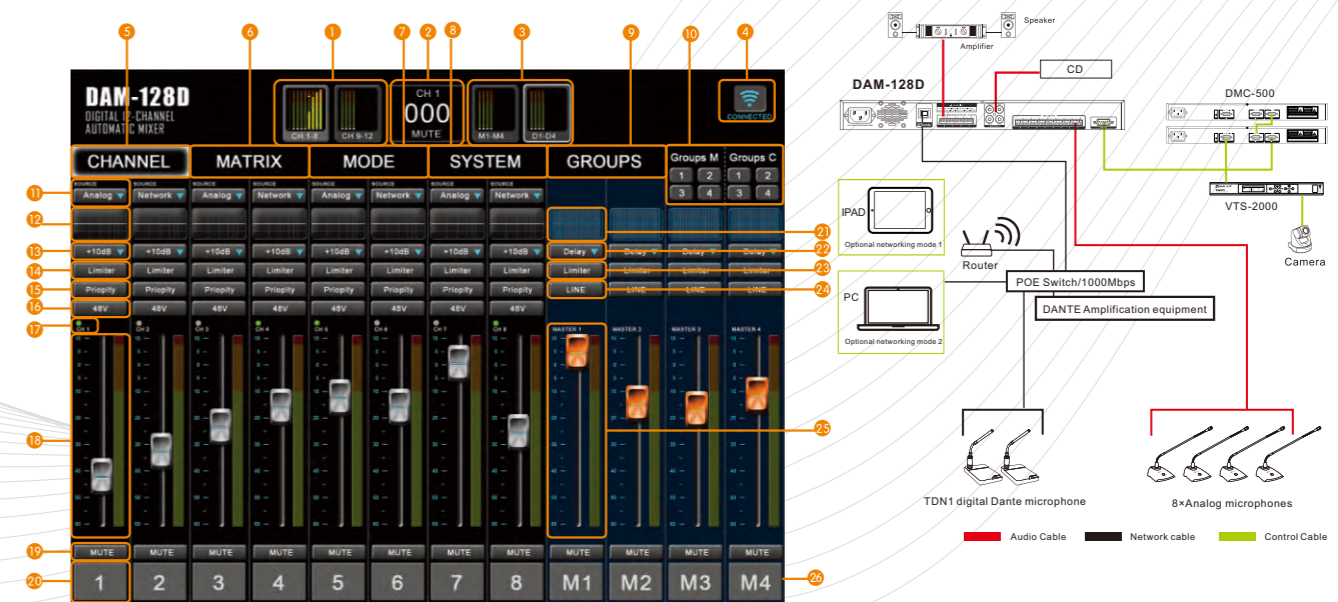
Digital Automatic Mixer  
with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical):	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB:	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter):	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz:	>60 dB
Number of input channels:	MICx8, Linex4, Dantex4
Maximum Input Level(Gain Max):	Mic:+6 dBV Line:+25dBV
Maximum Gain:	Mic:+65db Line:+20db
Number of output channels:	Analogx4, Dantex4
Maximum Output Level:	Line(+0):+21dbu MIC(-20):+1dbu
Dante Interface:	4x4
AD/DA Converter:	24bit, 48KHz
Internal Processing:	40-bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK, matrix control, threshold control, high and low pass filter
FRQ Range:	20Hz-20KHz
Phantom Power:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size:	EIA Standard Rack 1U
Dimensions(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.7 kg
Operating Temperature Range:	0 ~40°C

## Computer control the software interface instruction

software interface: (as shown in Fig)



1. Input Channel Interface Switcher	14. Input Channel Compressor Setting Interface
2. Parameter Display (can input the current function parameter manually)	15. Input Channel Priority Function Switch
3. Output Channel Interface Switcher	16. Input Channel 48V Phantom Power Switch
4. Communication Connection Button and Status Display	17. Input Channel Working Status Display
5. Channel Page	18. Input Channel Volume Fader and Volume Display
6. Matrix Setting Page	19. Input Channel Mute Switch
7. Mixing Mode Setting Page	20. Input Channel Name Display
8. System Setting Page	21. Output Channel 31-band Graphic EQ page
9. Group Setting Page	22. Output Channel Delay Setting Button
10. Mute, Control, Group Function Switch	23. Output Channel Compressor Setting Page
11. Input Source Switch Menu	24. LINE Output Channel and Mic Output Switch
12. Input Channel 4-band Parametric EQ Setting Page	25. Output Channel Volume Fader and Volume Display
13. Input Channel Gain Setting	26. Channel Name (can edit output channel name)

## Key Features

### Intelligent Management

- Using TCP / IP connection, can be connected to special software to achieve the remote control of the conference system, remote diagnosis and upgrade

### Powerful Function

- Through the use of TCP / IP connection to achieve computer PC software control and iPad software remote control settings of the parameters; Each channel can be set to priority, limiter adjustment;
- 4 - band parametric equalizer, frequency, Q value, amplitude adjustable;
- Shed filter set, to eliminate unnecessary noise in the band;
- Multi-stage frequency adjustable slope of the high and low pass filter, can show a better transient response;
- Support 8 microphone input channel with 48V phantom power supply independently, 4 MASTER analog output, 4 Dante audio or Dante microphone flexibly-switched input channel

### Flexible Expansion

- Built-in Ethernet version of the DANTE™ digital audio card, can connect the mixer to any DANTE™ device
- The RS-232 interface can be used to connect central control equipment and camera tracking system.

### Independent Channel Digital Process

- With 12 independent working channels, each channel output can be independently adjusted gain, do not interfere with each other, multi-functional intelligent meeting digital auto matic mixer.
- Independent configuration FBK, Noma function
- All-digital signal processing, built-in high, low-pass filter, limiter, 12\*8 matrix and so on. The basic use of the operation connected to the computer with proprietary control software, each channel can be detailed settings and adjustments.
- 12-channel input and 8-channel output with DANTE, analog and digital mixing matrix control, suitable for a wider range of application.

## Application:



# DAM-208D

DIGITAL AUTOMATIC MIXER  
WITH DANTE INTERFACE



DAM-208D is a 20-input, 8-output, intelligent digital mixer that supports Dante protocol. Digital intelligent conference processor is the perfect combination of digital audio and digital control technology to high-performance DSP as the core, with dedicated control software, each channel can be set and adjusted in detail, comes with 20X8 matrix, support multiple levels, All intelligent conference management, can easily form a set of powerful, easy to operate digital intelligent conference system. .It is applicable to the high demand of court, business center, conference center, hotel and TV station.

## Product Specification



## DAM-208D

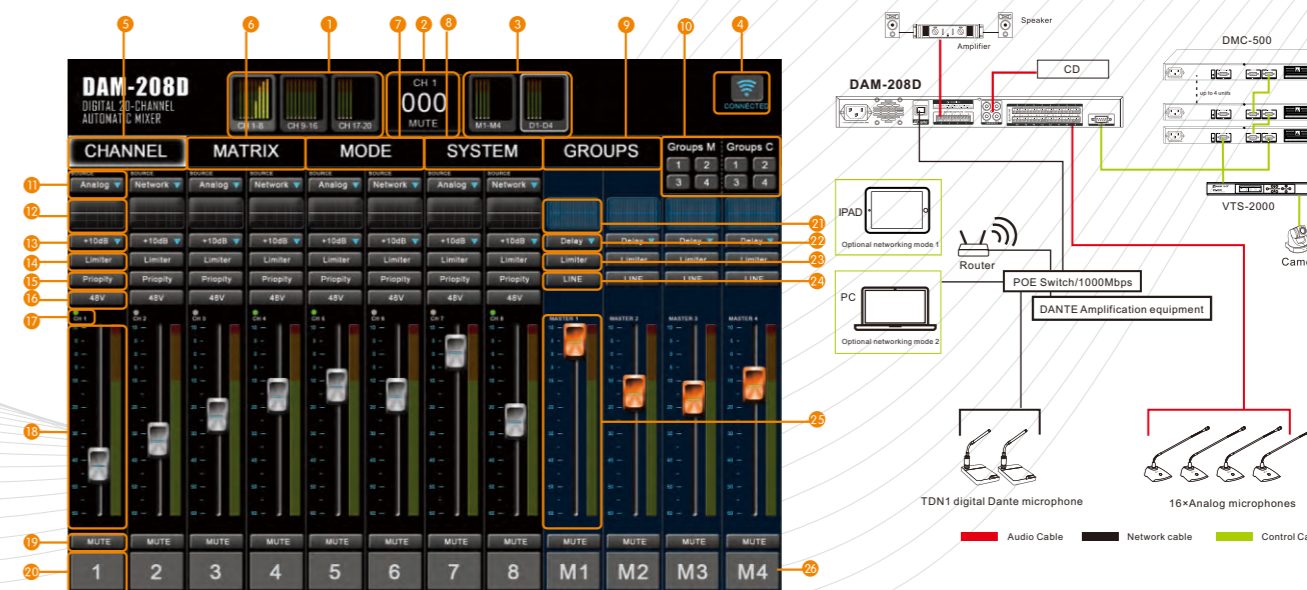
Digital Automatic Mixer  
with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical):	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB:	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter):	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz:	>60 dB
Number of input channels:	MICx16, Linex4, Dantex4
Maximum Input Level(Gain Max):	Mic:+6 dBV Line:+25dBV
Maximum Gain:	Mic:+65db Line:+20db
Number of output channels:	Analogx4, Dantex4
Maximum Output Level:	Line(+0):+21dbu MIC(-20):+1dbu
Dante Interface:	4x4
AD/DA Converter:	24bit, 48KHz
Internal Processing:	40-bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK, matrix control, threshold control, high and low pass filter
FRQ Range:	20Hz-20KHz
Phantom Power:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size:	EIA Standard Rack 1U
Dimensions(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.7 kg
Operating Temperature Range:	0 ~40°C

## Computer control the software interface instruction

software interface: (as shown in Fig)



1. Input Channel Interface Switcher	14. Input Channel Compressor Setting Interface
2. Parameter Display (can input the current function parameter manually)	15. Input Channel Priority Function Switch
3. Output Channel Interface Switcher	16. Input Channel 48V Phantom Power Switch
4. Communication Connection Button and Status Display	17. Input Channel Working Status Display
5. Channel Page	18. Input Channel Volume Fader and Volume Display
6. Matrix Setting Page	19. Input Channel Mute Switch
7. Mixing Mode Setting Page	20. Input Channel Name Display
8. System Setting Page	21. Output Channel 31-band Graphic EQ page
9. Group Setting Page	22. Output Channel Delay Setting Button
10. Mute, Control, Group Function Switch	23. Output Channel Compressor Setting Page
11. Input Source Switch Menu	24. LINE Output Channel and Mic Output Switch
12. Input Channel 4-band Parametric EQ Setting Page	25. Output Channel Volume Fader and Volume Display
13. Input Channel Gain Setting	26. Channel Name (can edit output channel name)

## Key Features

### Powerful Function

- Through the use of TCP / IP connection to achieve computer PC software control and iPad software remote control settings of the parameters
- Each channel can be set to priority, limiter adjustment
- 4-band parametric equalizer, frequency, Q value, amplitude adjustable
- Shed filter set, to eliminate unnecessary noise in the band
- Multi-stage frequency adjustable slope of the high and low pass filter, can show a better transient response

### Dante Flexible Expansion

- Built-in Ethernet version of the Dante™ digital audio card, can connect the mixer to any Dante™ device
- The RS-232 interface can be used to connect central control equipment and camera tracking system.
- Connect multiple DMC-500 mixer controllers without software control to adjust common channel volume

### Intelligent Management

- Using TCP / IP connection, can be connected to special software to achieve the remote control of the conference system, remote diagnosis and upgrade

### Independent Channel Digital Process

- With 20 independent input working channels, each channel can adjust the input gain separately, and support Dante input channel conversion; Dante output, do not affect each other.
- High-speed DSP chip with 40 bit floating-point operation and working frequency > 450MHz, combined with the digital audio automatic mixing algorithm independently developed by Relacart core technology team, always maintains the style of displaying the most realistic sound; and supports Dante microphone mixing features
- All-digital signal processing, built-in high, low-pass filter, limiter, 20\*8 matrix and so on. The basic use of the operation connected to the computer with proprietary control software, each channel can be detailed settings and adjustments.
- Automatic threshold adjustment, which can calculate the most suitable valve level based on the ambient noise of the scene using the powerful computing system of DSP digital algorithm, suitable for any bad meeting environment. With hold time function to ensure your meeting is smoother.
- 20-channel input and 4-channel output with DANTE, analog and digital mixing matrix control, suitable for a wider range of application.

## Application:





CONFER X is a digital automatic mixer with 64-channel input and 16-channel output, which is independently developed by Relacart and the global-first creation. 64-channel input, 16-channel output analog and DANTE digital hybrid matrix control are suitable for wider application engineering. 1-32 automatic mixing channels can set each channel independently and open threshold. It can set the most suitable threshold level according to the environmental noise, echo and the channel near the loudspeaker. It is suitable for any harsh meeting environment. And the hold-time is adjustable, ensure that your meeting is smoother.

### Product Specification



### CONFER X

Digital 64-channel Automatic Mixer with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHz, A-weighted, typical):	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB:	<0.05%
S/N(22 Hz - 22 kHz, RMS, A-Filter):	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz:	>60 dB
Number of Input Channel:	AUXx4、Dantex64
Maximum Input Level:	Channel input AUX Input (Lotus): +25dBu
Number of Output Channels:	Analogx8、Dantex8
Maximum Output Level:	Line(+0): +21dbu MIC(-20): +1dbu
Dante Interface:	64 (input)X 8(output)
AD/DA Converter:	24bit, 48KHz
Internal Processing:	40-bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK,matrix control, threshold control, high and low pass filter
FRQ Range:	20Hz-20KHz
Network Interface:	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size:	EIA Standard Rack 1U
Dimensions(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.7 kg
Power Requirements:	~110V-240V 50/60Hz 60W
Operating Temperature Range:	0 ~40°C

Computer control the software interface instruction  
software interface: (as shown in Fig)

### Key Features

#### Intelligent Management

- The main controller adopts TCP/IP connection mode and can connect special software to realize remote control of conference system, remote diagnosis and upgrade.

#### Practical function

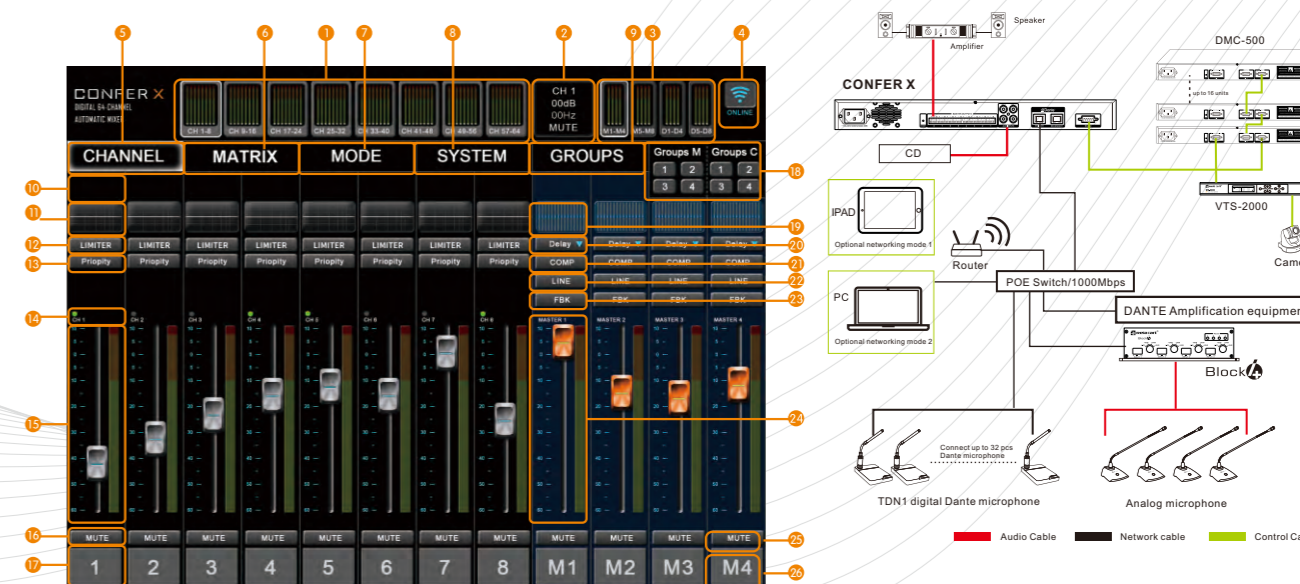
- Through TCP/IP connection, can set every parameter by the computer software and the remote setting of the iPad software.
- Priority and compressor adjustment can be set for each channel.
- Four-segment parametric equalization, adjustable frequency, Q value and amplitude;
- The filter can eliminate unnecessary noise in the frequency band.
- High-pass and low-pass filters with adjustable frequency can exhibit better transient response.
- Encoders with scaling indicators can control the volume of four channels, and can set any input/output channel to display volume scale, mute indication, distortion indication and output LINE/MIC indication respectively. Each encoder is equipped with an OLED display screen to display channel name and channel volume value.

#### Dante Flexible Expansion

- Built-in Dante digital audio card can connect the mixer to any Dante device.
- RS-232 interface can connect to central control and video tracking system.
- Without the use of software control, multiple DMC-500 mixer controllers can be connected to adjust the commonly used channel volume.

#### Independent Channel Digital Process

- 64-Channel Dante input, channel1-32 adopt DSP algorithm auto mix, channel33-64 support analog input conversion.
- 16-channel independent output, 8 channel is Dante signal output, 8 channel is analog signal output
- 4 channel is line input(RCA plug), can be switched arbitrarily in 33-64 channels and can not be set repeatedly.
- Full digital signal processing, built-in high-pass and low-pass filters, limiters, matrix, etc. The basic operation is connected to the computer with special control software, which can make detailed settings and adjustments for each channel.
- 64 x 64 Dante and analog mixing matrix control, suitable for wider application engineering.



1.Input Channel Interface Switcher	14.Input Channel Working Status Display
2.Parameter Display(can input the current function parameter manually)	15.Input Channel Volume Fader and Volume Display
3.Output Channel Interface Switcher	16.Input Channel Mute Switch
4.Communication Connection Button and Status Display	17.Input Channel Name Display
5.Channel Page	18.Mute and Control Group Function Switch
6.Matrix Setting Page	19.Output Channel 15-band Graphic EQ page
7.Mixing Mode Setting Page	20.Output Channel Delay Setting Button
8.System Setting Page	21.Output Channel Compressor Setting Page
9.Group (Mute Group and Control Group Setting)	22.LINE Output Channel and Mic Output Switch
10.Input Source Switch Menu (For channel 33-64 only)	23.FBK (can avoid feedback automatically)
11.EQ Setting (For channel 1-32 only)	24.Output Channel Volume Fader
12.Input Channel Compressor Setting Interface	25.Output Channel Mute Switch
13.Input Channel Priority Function Switch	26.Channel Name (can edit output channel name)

### Application:



# DAM-124

## 12-CHANNEL DIGITAL AUTOMATIC MIXER



DAM-124 12-channel digital mixer is a combination of digital audio and digital control technology. It takes high-performance DSP as the core and works with special control software to make detailed settings and adjustments for each channel. It comes with a 12x4 matrix, full intelligent conference management, easy to operate.

### Product Specification



### DAM-124

12 Channel Wired Digital  
Automatic Mixer

Main Frame Size:	EIA Standard Rack 1U
Dynamic Range:	100dB
THD+N Distortion:	<0.05%
S/N Ratio:	118dB
Common Mode Rejection Ratio:	>60 dB
Number of Input Channels:	MICx8, Linex4
Maximum Input Level:	+6 dBu
Line Input (RCA):	+25dBu
Total Amplification Gain:	MIC:+65db LINE:+20
Number of Output Channels:	Analogx4
Maximum Output level:	Line (+0):+21dbu MIC (-20):+1dbu
AD/DA Conversion:	24bit, 48KHz
Internal Processing:	40 bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK, matrix control, threshold control, high-low pass filter;
Audio Frequency Response:	20hz-20khz
Phantom Power Supply:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet
Dimension (mm):	410 (W)×206 (D)×43 (H)
Weight:	About 2.7 kg
Power Requirements:	~110V-240V 50/60Hz 60W

Computer control the software  
interface instruction  
software interface: (as shown in Fig)

### Key Features

#### Powerful Function

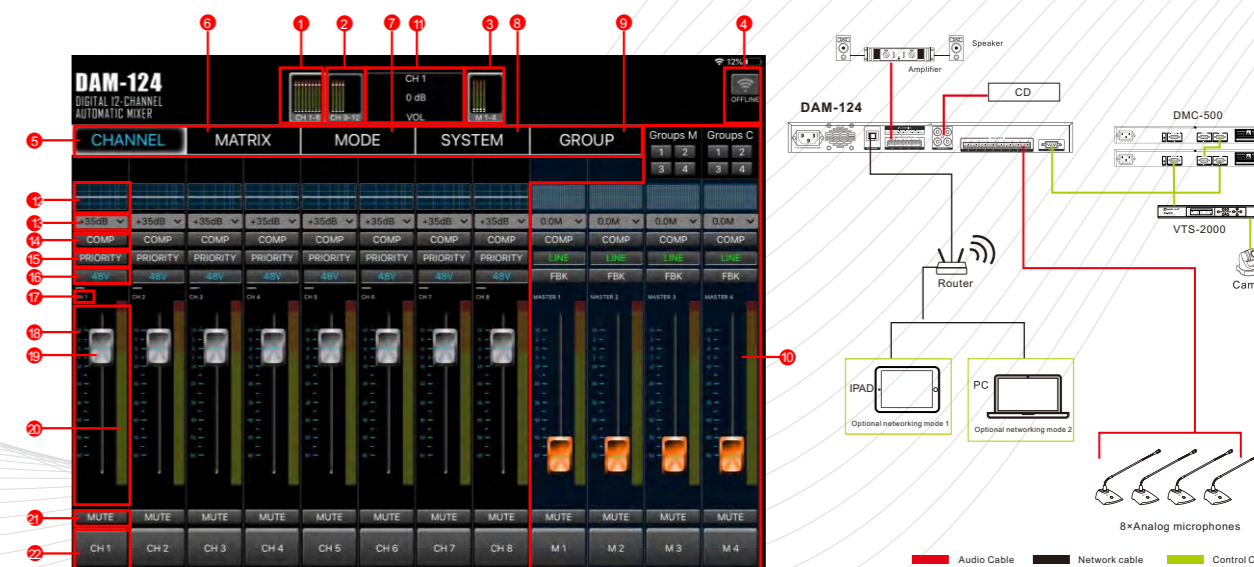
- Standard 1U all metal case, aluminum panel; Clear and bright LED lights on the front panel display the input and output audio dynamic information at all times; Encoder with scale indication.
- Support the grouping setting of mute and other control parameters; The conference scene mode is saved to provide a very convenient debugging method for similar venues.
- 48V phantom power supply is attached to the 8 mic input channel; 4-channel line input; Independent mute control and phantom power control; Priority selection and threshold adjustment can be set for each channel.
- It supports automatic adjust the attenuation value of multi-channel microphone(NOM), and the maximum number of open microphones supports 1~8.

#### DSP Automatic Sound Gate Regulation

- The automatic sound gate adjustment can automatically calculate the appropriate gate level by using the powerful computing system of DSP digital algorithm according to the on-site environmental noise, which is suitable for any harsh conference environment;
- The LAST HOLD TIME function can make the conference more orderly.

#### Independent Channel Digital Process

- It has 12 independent input working channels, and each channel can adjust the input gain independently.



1. Input channel 1-8 window: channel 1-8 of the pusher status display and input level display. Click on the page can switch to the input channel.	11. Function status display window: three rows, according to the first line of the current channel is set, the second line current setting the parameters of the function, the third line of the function of the current Settings.
2. Input channel 9-12 window: display channel 9-12 state of pusher and input level display. Click on the page can switch to the input channel.	12. Input channel EQ: adjust the defects of compensation speakers and ShengYang, compensation and modify various input source.
3. Output Channel Interface Switcher	13. Input Channel Gain Setting
4. Communication Connection Button and Status Display	14. Input Channel Compressor Setting Interface
5. Channel Page	15. Input Channel Priority Function Switch
6. Matrix Setting Page	16. Input Channel 48V Phantom Power Switch
7. Mixing Mode Setting Page	17. Input Channel Working Status Display
8. Save system: communications equipment, scene, firmware upgrade, restore the factory Settings, etc.	18. Input Channel Volume Fader
9. Grouping: mute group and control group Settings.	19. Volume Display
10. The main output channels: can control the function of the main output channel.	20. Input Channel Mute Switch
	21. Input Channel Name Display

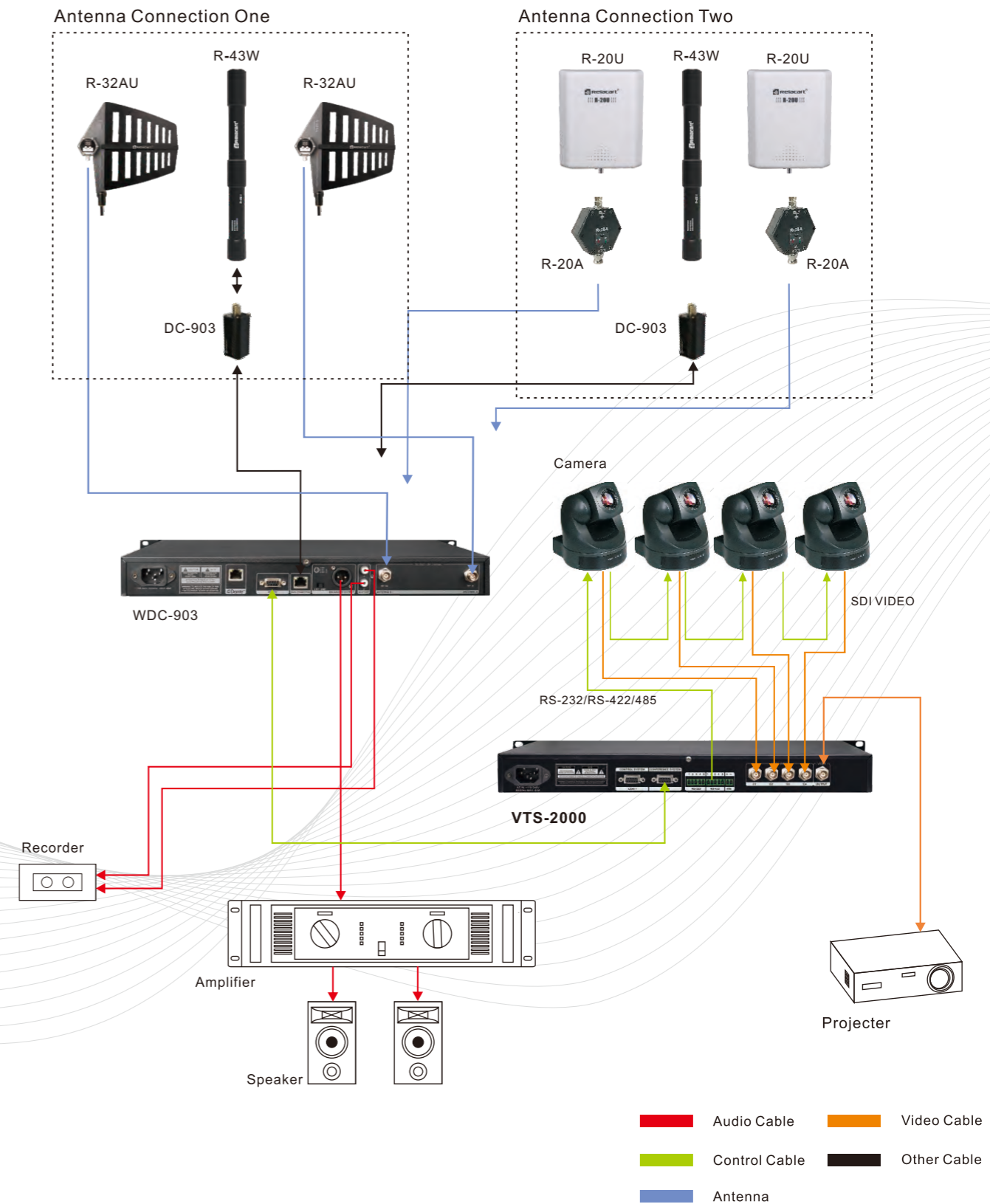
### Application:





VTS-2000 Video tracking system can be used with any one Relacart video conferencing system to achieve video tracking function. When the microphone unit is on, the camera will automatically track the location of the speakers unit. Connect the video device can display the image. Unique freeze function, can achieve the camera auto tracking feature perfectly.

## System Connection Diagram



## Key Features

### Powerful Function

- Do not need any additional equipment, through the central main controller menus can set camera tracking directly.
- Simultaneous control up to four cameras.
- Always follow the last opened speaking unit.
- When one single microphone unit is turned off that can automatically tracking previous speaking unit.
- All the microphone is turned off, automatically return to the default panorama
- Sharing agreement, the camera is compatible with all common types of reality.
- With 4 video input and 1 video output port, support SD and HD SDI video input and output, HD SDI supports HDcctv1.0, HD-SDI(ST292), 3G-SDI(ST424), SD-SDI(259) standard.
- HD SDI can support the highest resolution 1080P @ 60Hz

## Product Specification



### VTS-2000 Video Tracking System

Main Frame Size:	EIA Standard Rack 1U
Power Supply:	AC 100~240V 50/60Hz
Frequency Response:	143Mb/s to 2.97Gb/s
Gain:	0dB
Signal Type:	SDI (high-definition digital signal)HDcctv1.0, HD-SDI(ST292), 3G-SDI(ST424), SD-SDI(259)
Input Return Loss:	21dB @ 5MHZ-3GHz
Video Input:	800mVp-p
Video Output:	800mVp-p
Compatible Standard:	Pelco-D、Pelco-P、Visca
Control Protocol:	RS-232,RS-422,RS-485
Baud Rate:	9600
Data Bits:	8bitsVideo
Input/Output Impedance:	75 ohm
Inputand Output Ports:	BNC
Dimensions(mm):	410(W)×43(H)×206(D)
Weight(kg):	About 2.3

# DMC-500

DIGITAL AUTOMATIC MIXER CONTROLLER

DMC DIGITAL AUTOMATIC MIXER CONTROLLER



The DMC-500 Mixer Controller is designed for the DAM Series and Confer X Mixers. A total of 5 channels can be set to any channel of the mixer to adjust the volume of the channel being set. Multiple controllers can be connected hand in hand to control the volume of multiple channels.

## Key Features

### Intelligent Management

- The controller adopts RS-232 connection mode, which can be connected to special software to realize the connection and control of multiple DAM series and Confer X mixer, and realize the customer demand of multi-channel volume control adjustment.

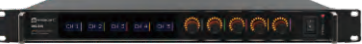
### Powerful Function

- 5 channel settings
- Control mixer input and output channel volume
- OLED display shows the channel name and volume of the mixer
- Video tracking

### Flexible Expansion

- Connect the RS-232 interface of the mixer to the RS-232 input connector of the mixer controller.
- RS-232 output interface: When multiple DMC-500 are connected hand in hand, the first RS-232 output is connected to the second RS-232 input. The rest can be done in the same manner.
- The RS-232 video tracking interface is connected to the video tracking device.

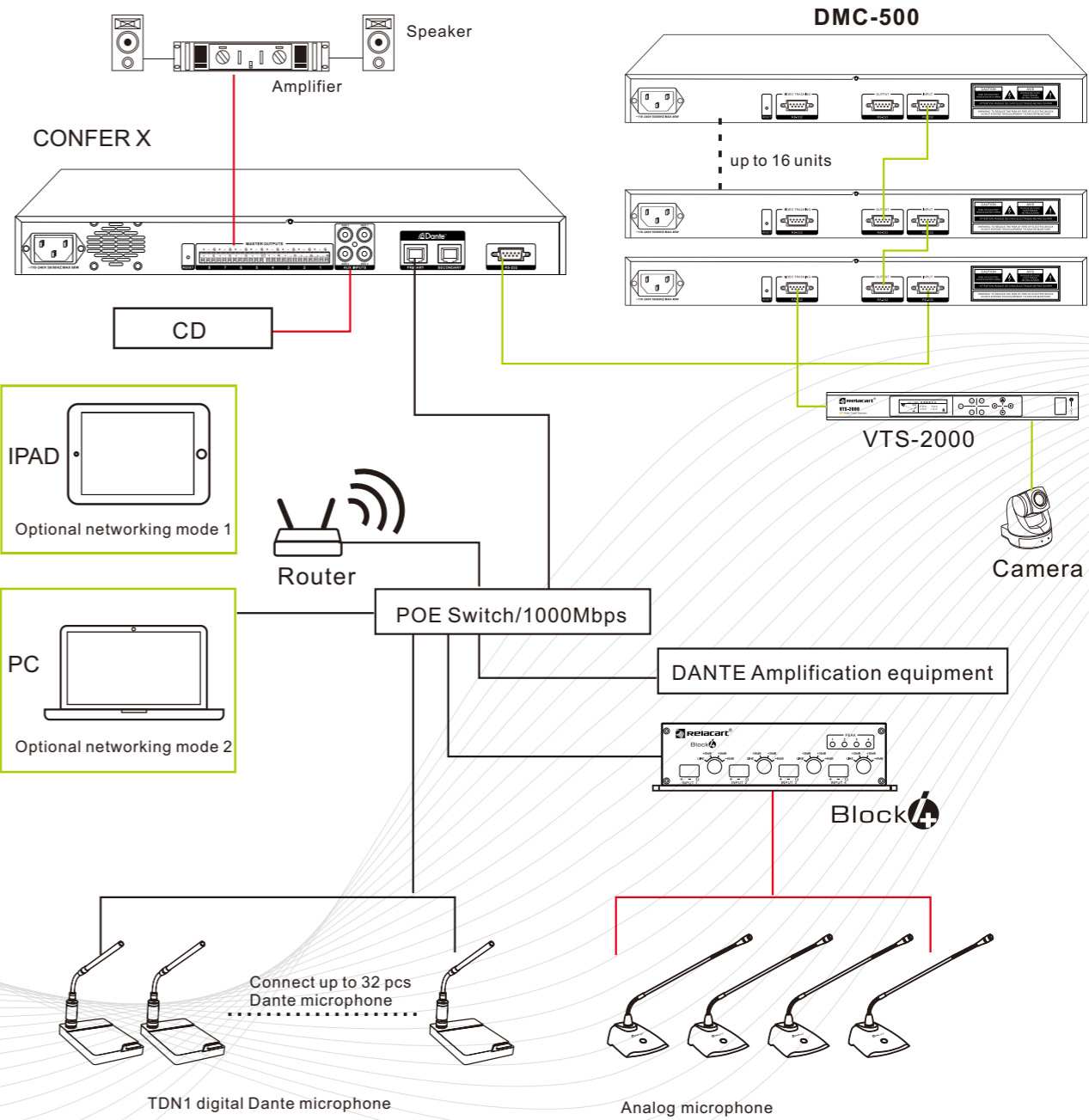
## Product Specification



DMC-500  
Digital Automatic Mixer  
Controller

Power:	100-240V AC 50-60Hz 46W
Communication protocol:	RS-232
Communication Interface:	3
Display:	OLED
Number of Channels:	5
Control Device:	Encoder
Main Frame Size:	EIA Standard Rack 1U
Dimensions(mm)	410(W)×43(H)×206(D)
Weight	Approximately 2.7 Kg

## System Connection Diagram





Relacart TGS-6 Wireless Tour Guide Microphone System adopts UHF high-fidelity audio transmission technology to ensure stable use in various indoor and outdoor environments, and output high-quality sound. DSP digital audio companding processing can greatly reduce the noise of the wireless microphone. The innovative magnetic suction and soft rubber design is convenient for users to use, and can be attached to the collar, freeing hands to speak easily. The transmitter has a built-in microphone and supports EP-01 earphone or other external headphone input, the receiver supports line output and USB digital output, the speaker carries the transmitter, and guests can walk around within a range of 20 meters to achieve the same wireless tour guide function of interpretation. It is suitable for scenarios such as tour guide introduction, simultaneous translation, and real-time explanation.

Key Features

UHF

UHF Audio Transmission Technology

- Works in the UHF frequency band, avoiding WiFi with serious interference, ensuring the stability of the wireless connection and providing high-fidelity audio output

DSP

DSP Digital Audio Companding

- 48KHz audio sampling rate to minimize noise in the system wireless connection and providing high-fidelity

External Microphone Expansion

- In addition to the built-in microphone, the external microphone and line input function can also be used, and the receiver and transmitter can independently adjust the volume audio output

Multi-Channel Switching

- Both transmitter and receiver support one-key channel switching and display in the LED digital display

Magnetic Rubber Clip

- The innovative design of magnetic suction and soft glue, including a hot shoe magnet specially designed for the camera, makes the product easy to use, close to the collar during interviews or close to objects with iron, nickel and other metals, such as mobile phones, computers, etc., the novel design of magnetic rubber improves the flexibility of users in product application

Lightweight and Convenient

- The net weight of the TGS-6 transmitter and receiver is 31.5g each. Compact design, easy to carry

Anti-Noise

- The product comes with a special microphone windproof furry to ensure clear sound pickup in outdoor or noisy environments

Product Specification

TGS-6

Wireless Receiver

Receiving Bandwidth:	470MHz~960MHz
Receiving Mode:	Superheterodyne
Image Rejection:	45dBm
RF Sensitivity:	When input 10dBu, S/N ≥ 45dB
Frequency Synchronization Method:	Manual key setting
Maximum Output level (analog):	0.7Vpp
Output level Adjustment:	3-level adjustable, attenuated adjustment
Digital Audio Output:	TYPE-C audio, computer USB audio
Power Supply Mode:	Built-in 3.7V 450mA lithium battery power supply
Normal Working Current:	100mA
Battery Life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67×32 ×13.5
Net Weight:	31.5g

TGS-6

Wireless Transmitter

Carrier Bandwidth:	470MHz~960MH
Oscillation Mode:	PLL frequency synthesis
RF Output Power:	13.5dBm
Carrier Deviation:	0.005%
Harmonic Radiation:	-32dBm
FM Mode:	FM
Nominal/Maximum Frequency Deviation:	± 65KHz
Maximum Input level:	250mV
Input Gain Adjustment:	3 levels adjustable
Input Impedance:	2.2KΩ
Frequency Setting:	Manual
Power Supply Mode:	Built-in lithium battery or TYPE-C 5V power supply
Normal Working Current:	100mA
Battery Life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67×32×13.5
Net Weight:	31.5g

EP-01

Headphone

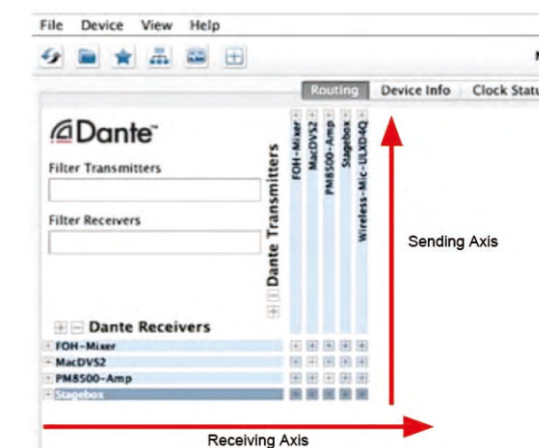
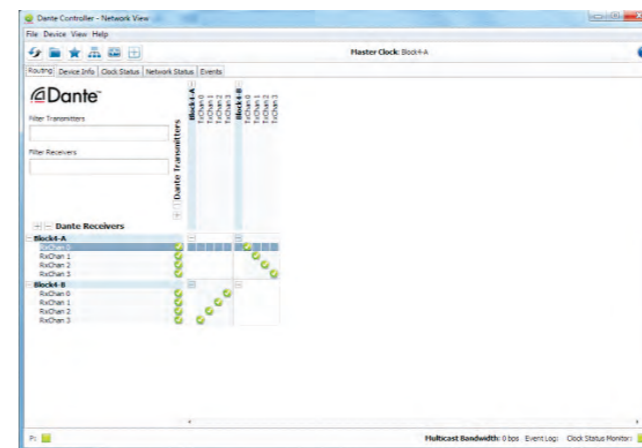
# BLOCK 4+

DANTE NETWORKED  
AUDIO INTERFACE



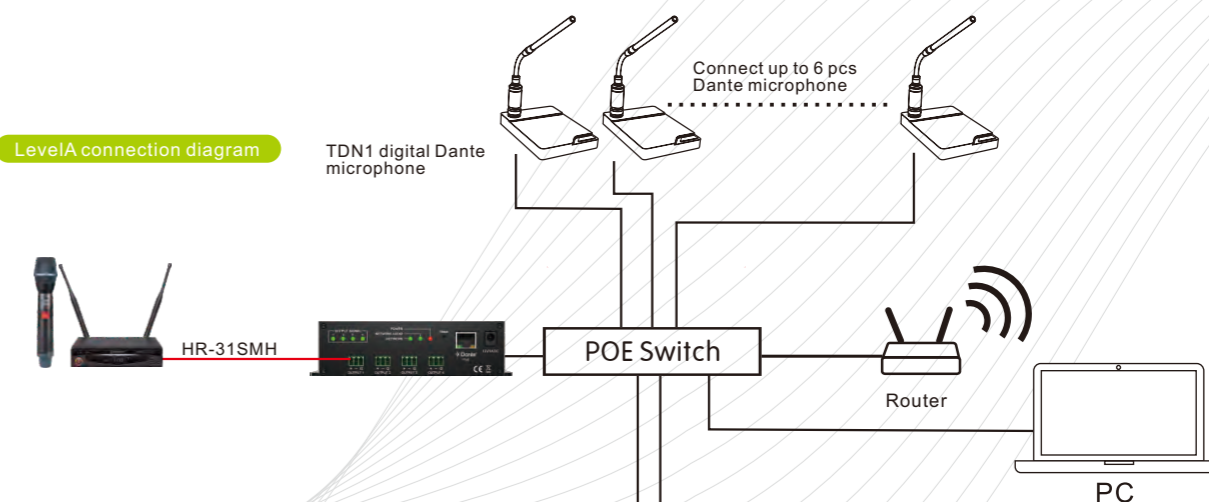
Block4+ is a Dante-enabled digital audio switch combining 4 input and 4 output. Dante is a network protocol, which basses on the three-layer IP network technology, provides a low latency, high precision and low cost solution for point-to-point audio connection. Dante technology can apply to transmitting high precision clock signal and audio signal and can perform complex routing in Ethernet(100M or 1000M),to ensure a perfect sound effect; to solve the problem of complicated wiring of traditional audio transmission, reduce the cost. Adapt to the existing network,do not need to do special configuration. Block 4+ can be used with routers without Poe and with Poe power supply. When connecting to ordinary routers without Poe power supply, Block 4+ requires an external power supply.

## System Connection Diagram



We need a Dante-enabled mixer, wireless microphone and power amplifier. All the equipment need to connect to the current switch board, all the Dante devices set to default. The connection is not complicated and no need professional knowledge, before connecting to the network switch board, just use the common CAT5 or CAT6 network cable to connect the primary port of Dante devices, then connect to any port of the 100M or 1000M switch board,(Remark: Dante can not run in WiFi environment, wired it relies on the stable network environment to transmit perfect audio)

### LevelA connection diagram



## Key Features

### Flexible Configuration

- Connect directly to network via Ethernet cable-no need for expensive audio cable or soldering
- Powered by network PoE: PoE IEEE802.3af standard
- Easy operation, simple mechanical gain adjustment switch, clear working indicator
- 48V phantom power

### Flexible Expansion

- 4-channel analog audio output, equip with four indicator
- Equip with network connection indicator, network audio indicator, power indicator, reset switch
- RF anti-interference design.
- Solid alloy structure.

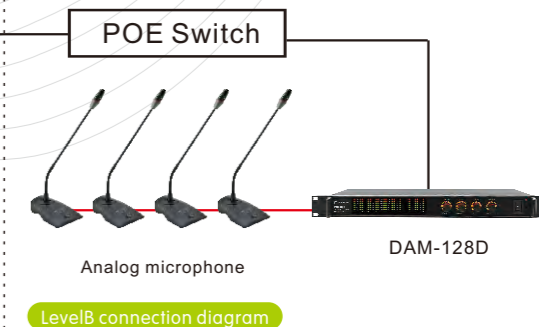
## Product Specification



Maximum audio output level:	18dBV
Audio input gain:	Line ,0dB ,+15dB +25dB
Audio Interface :	Plug-in terminals (commonly known as Phoenix socket)
Audio Frequency Response:	20Hz ~ 20KHz ±2dB
Dynamic Range:	110dB
Signal-To-Noise Ratio:	108dB,1 kHz at 1 Pa
Power supply:	POE IEEE802.3af standard, providing 48V phantom power for the device
Power consumption:	5W
Input impedance:	2.2KΩ
Output impedance:	600 Ω
Dimension:	165.7mm X 83.2mm X 44.3mm
Weight:	550g
DANTE Network:	RJ45 connector, CAT5 or CAT6 cable over 100 Mbps

## BLOCK 4+

Dante Networked Audio Interface



(Multi-level audio transmission application)

Audio Cable  
Other Cable

# MAS-D

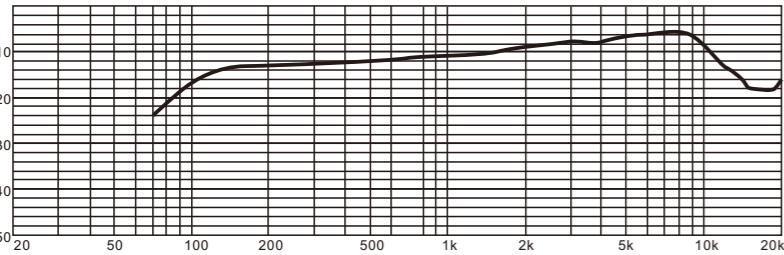
## MICROPHONE ARRAY SYSTEM



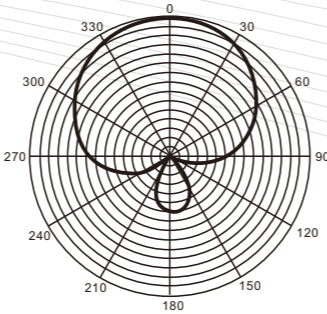
The MAS-D array microphone adopts a metal streamlined desktop design, which is stylish and succinct. It also has a unique microphone array technology and an integrated microphone module, which improves the range and quality of the array microphone. It ensures that the spokesman does not affect the sound effect within a certain range. Dispense microphone stem and the larger pickup range gives the spokesman more space to use.

### Key Features

- The array microphone provides a silent electronic switch that controls the microphone's radio operation and work indicator. When the red light is on, the microphone is muted, and when the green light is on, the microphone is in the radio state.
- It adopts PoE power supply and Dante protocol, and professional RJ45 connection. Only one network cable is connected to the switch with PoE power supply. It can be combined with other Dante devices to form the system output sound. It is easy to install and is ideal for various conferences, lectures and recordings.
- Thanks to the unique microphone module circuit design, the array microphone has a pickup distance of 80CM and a deeper pickup range, and the pointing characteristics are significantly improved compared with the general cardioid microphone.
- MAS-D array microphones feature radio frequency interference (RF) shielding technology that provides outstanding protection against radio frequency interference and avoids interference such as mobile phones when receiving radio.



MAS-D Frequency Response



MAS-D Polar Pattern



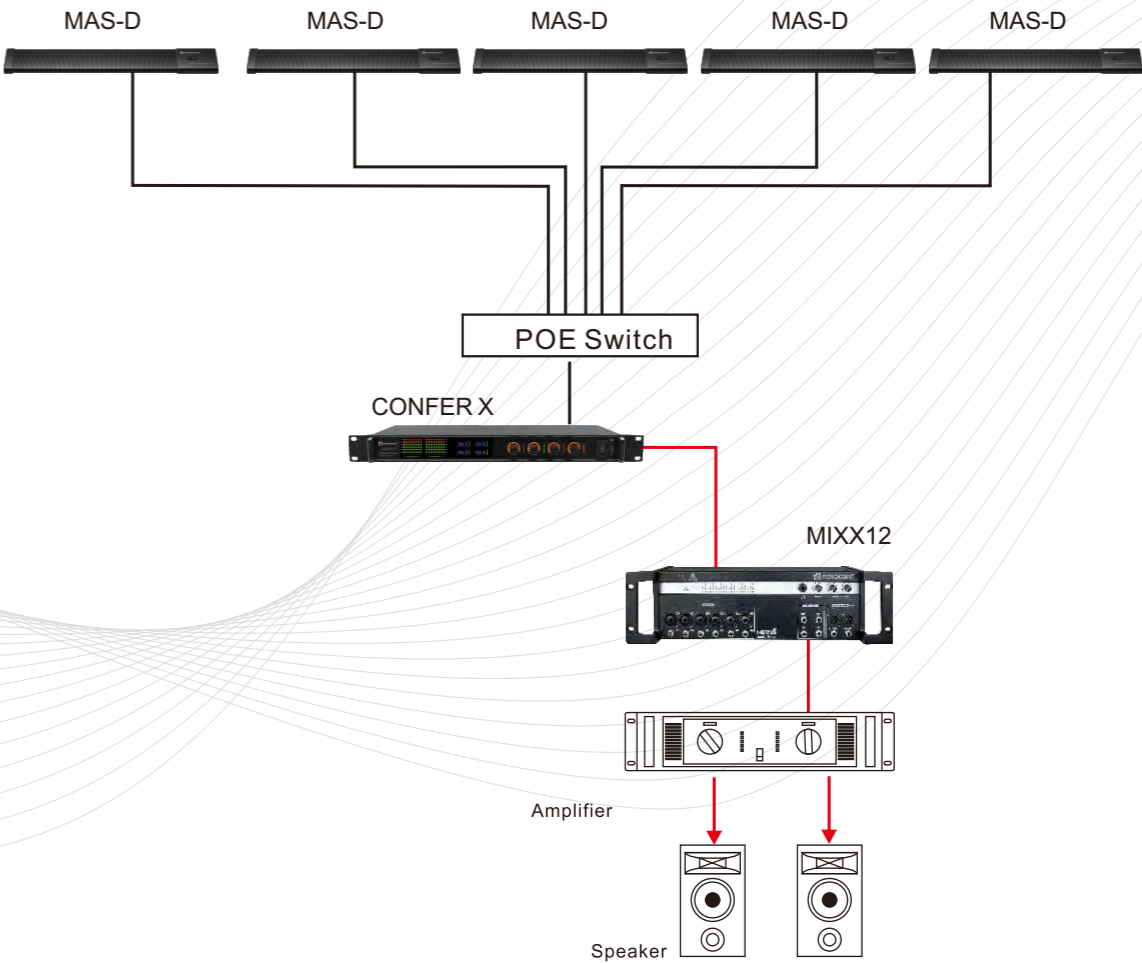
### Product Specification



MAS-D  
Microphone Array  
System

Frequency Response:	20-20000Hz
Input Impedance:	2.2KΩ
Sensitivity:	-11dB at 1KHz@1Pa
S/N Ratio:	65dB at 1KHz
SPL:	-14dBA at 1KHz@1Pa
Pickup Distance:	80CM
Port:	RJ45
Power Supply Mode:	PoE IEEE802.3
Power Consumption:	2.3W
Weight:	350g
Dimensions(mm):	320(W)×60(D)× 31(H)
DANTE Network:	RJ45 connector, CAT5 or CAT6 network above 100Mbps

### System Connection Diagram



Audio Cable  
Other Cable

TDN3

DESK MICROPHONE  
WITH DANTE NETWORK OUTPUT

Dante®



TDN3 is a wide-bandwidth condenser super-directional DANTE microphone with high-quality pickup performance. It is designed for enhanced pickup, professional recording, television broadcasting, conferences and other demanding pickup applications.

Product Specification



TDN3  
Professional Desk Microphone

Frequency Response:	20HZ-20KHZ
Gain :	6 levels of gain adjustable
Bass Cut:	150Hz, 18dB/Octave
S/N:	65dB, 1KHz at 1Pa
Power Supply Method:	POE IEEE802.3af
Output Interface:	Standard Ethernet interface
DANTE Network:	RJ45 connector, 100Mbps or above, CAT5 or CAT6 or above
Indicator Light:	LED multi-color adjustable status indicator light
Equalizer:	4-band parametric equalizer, set through TDM software
Power Consumption:	2.3W
Overall Size (mm):	148(L)×115(W)×233(H)
Weight:	About 715g

Key Features



Dante Audio Transmission Protocol

- With Dante interface, it can communicate with any device with Dante to transmit audio.



Light - touch switch troubleshooting

- It is equipped with a unique light - touch switch troubleshooting function. After pressing the button, the LED will flash and the location of the faulty microphone can be quickly found, which greatly reduces the difficulty of subsequent maintenance work.



TDM Digital Control Software

- Supports TDM digital control software to allow the microphone to visualize the IP address and customize the microphone's treble and bass, frequency, light color and volume. The above settings can be used to directly



Appearance material

- The microphone adopts a small triangular shape gooseneck design, which has a simple and elegant appearance, and can easily and flexibly adjust the pickup capsule to the required position.
- The conference base is made of strong and durable zinc alloy, which is artistic and sturdy. Equipped with mute button and working indicator light, it is easy to grasp the status of the equipment.



RJ45 standard network cable interface

- Equipped with standard RJ45 standard network cable interface.

# TDN2 | DESK MICROPHONE WITH DANTE NETWORK OUTPUT



TDN2 is a desktop conference microphone with Dante interface. It adopts a new square microphone tube and a condenser supercardioid capsule to accurately pick up the sound, reducing the interference of ambient noise. The V-shaped base spreads the weight of the microphone more evenly, making it more stable on the table. To connect Relacart TDM digital control software by a Cat5 network cable to enable the microphone to have IP address visualization and customize the microphone's low cut, EQ, light color and volume. The above settings can be copied directly from certain microphone to another through the software. Unique troubleshooting function, when press the CALL button the LED light of the microphone will flash, and the position of the microphone can be quickly found.

## Product Specification

Frequency Response:	20Hz-20KHz
Volume Adjustment:	6-level volume adjustable
Low Cut:	150Hz, 18dB/ Octave
S/N Ratio:	65dB, 1KHz at 1Pa
Base Power Supply Mode:	PoE IEEE802.3af
Output Interface:	Standard Ethernet interface
Dante Network:	RJ45 connector, above 100Mbps, CAT5 or CAT6 or above
Indicator Light:	LED multi-color adjustable status indicator
Equalizer:	4-band parametric equalizer, set by control software
Microphone up and down adjustment angle degrees:	48°
Power Consumption:	2.3W
Weight:	About 800g
Overall Size (mm):	225(L)× 135(W)× 95/220(H) (minimum angle/highest angle)
Color:	Black/champagne gold



TDN2

Professional Desk Microphone



**Light touch switch:** with LED indicator light, you can change the indicator color through TDM digital microphone control software.



**Working status indicator:** red light is on when mute, and green light is on when speaking (default color). The microphone LED light corresponding to the microphone can flash through the TDM digital microphone control software, and the corresponding microphone position can be quickly found according to the blinking LED light control software.

## Key Features



### Dante Audio Transmission Protocol

- With Dante interface, it can communicate with any device with Dante to transmit audio.



### Condenser Supercardioid Capsule

- It adopts a new square microphone tube and a condenser supercardioid capsule to accurately pick up the sound, reduce the interference of ambient noise.



### V-shaped Base

- V-shaped base spreads the weight of the microphone more evenly, making it more stable on the table.

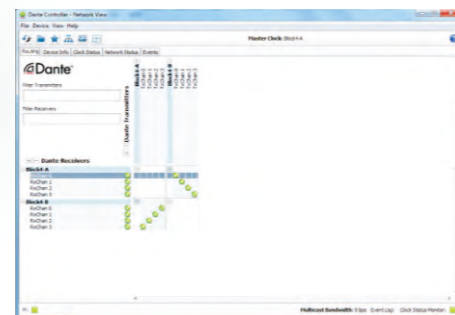


### TDM Digital Control Software

- To connect Relacart TDM digital control software by a Cat5 network cable to enable the microphone to have IP address visualization and customize the microphone's low cut, EQ, light color and volume.

# TDN1/TDN1-F

## MICROPHONE DESK STAND WITH DANTE NETWORKED OUTPUT



TDN1/TDN1-F desk stand allows Dante technology to be used with any phantom-powered condenser gooseneck microphone with a 3-pin XLRM-type output. The desk stand is designed for surface-mount applications such as high-quality sound reinforcement, conferencing, distance learning and other demanding sound pickup applications.

### Product Specification

#### TDN1

Microphone Desk Stand  
With Dante Networked Output

XLR Male Connector



#### TDN1-F

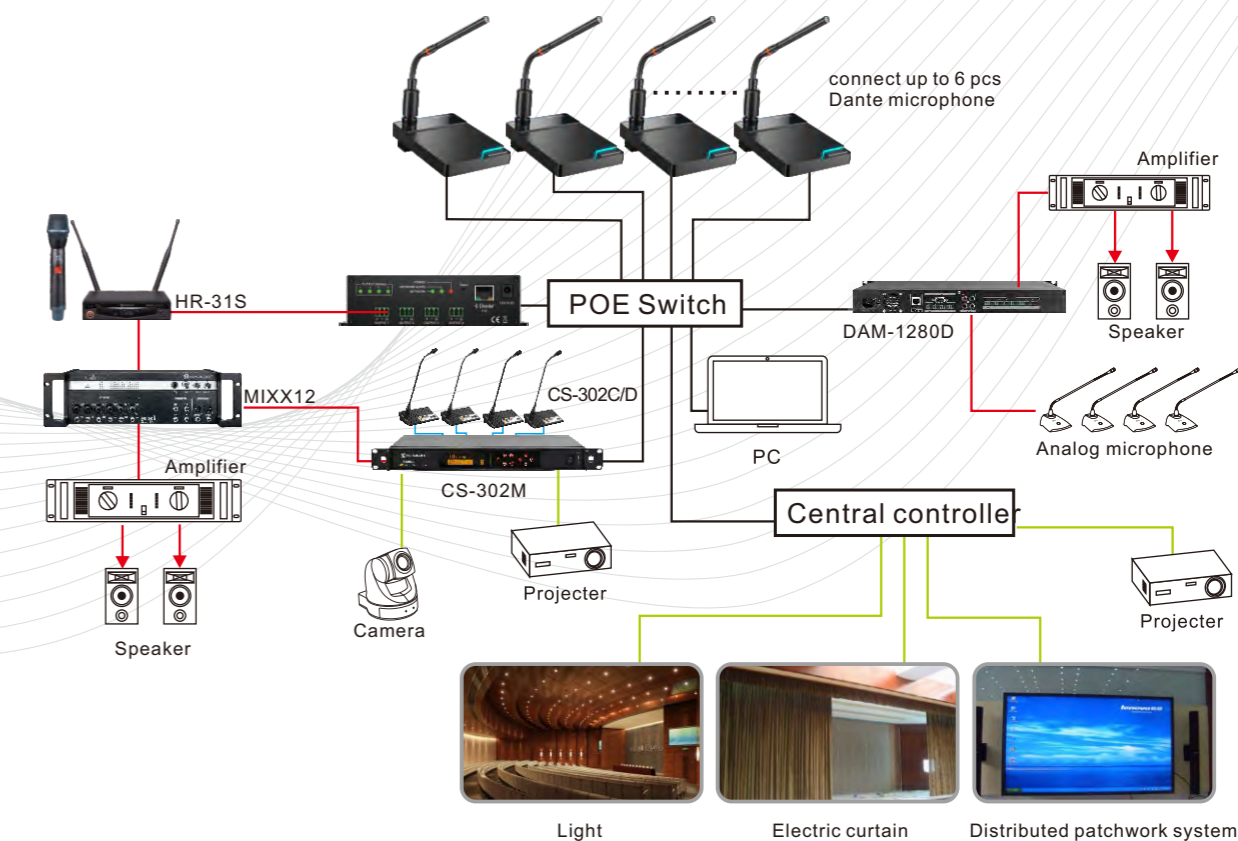
Microphone Desk Stand  
With Dante Networked Output

XLR Female Connector

• It can be used with the other brands gooseneck microphone.

Frequency Response:	20-20,000Hz
Low Cut:	150Hz, 18 dB/octave
Gain Adjustment:	Six level of adjustable gain
Input Impedance:	2.2 KΩ
Maximum Sound	0dBu @ +20 dB gain
Input Level:	0dBu @ +20 dB gain
S/N Ratio:	65 dB, 1KHz at 1Pa
Power Requirements:	PoE IEEE802.3af standard (Power consumption 1.5W)
Power Consumption:	2.3W
Phantom Power:	48V DC
Input Connector:	3-pin XLRM-Type(TDN1) 3-pin XLRF-Type(TDN1-F)
Output Connector:	RJ45
Cable Required:	CAT5 or CAT6 recommended
Transmission Speed:	100 Mbps
Dimensions(mm):	170(L)×120.3(W)×48.5(H)
Weight:	720g

### System Connection Diagram



### Key Features



#### Flexible Configuration

- Connect directly to network via Ethernet cable -no need for expensive audio cable or soldering.
- Integrated user switch controls talk/mute in Local mode and triggers.
- Dante-enabled devices in remote mode.
- 3-pin XLRF-type with lock in for quick mounting of gooseneck microphone
- Red/green LED indicator.
- Local or remote control of mic gain, low-cut filter, LED indicator and 48V phantom power.
- Powered by network PoE
- Scalable across Dante's 512 bidirectional audio channels.



#### Easy Installation

- Filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality.
- Heavy die-cast case and non-slip silicone foam bottom pads minimize coupling of surface vibration to the microphone.
- Optional Software: Relacart Dante conference microphone management control softwareRDM1.0,can set microphone input gain, low cut filter, working mode, phantom power. Makethe audio gain visible.



#### Dante™ upgrade card

- 1.Dante-equipped models enable multi-channel audio networking over Ethernet.
- 2.Standard Ethernet or Dante™ digital networked audio configurations available
- 3.Ethernet digital audio of Multi channel, with 24-Bit depth and 48 KHz sample rate
- 4.Plug and play networking function, with automatic device discovery function and system configuration.
- 5.Dante upgrade card available for standard Ethernet models.
- 6.Can use Dante virtual sound card to connect a computer to a Dante network for recording, playback and Internet calling between Dante-equipped devices(download Dante virtual sound card at audinate.com)



Audio Cable  
Control Cable  
Other Cable  
Unit cable

# RDA10

DANTE-ENABLED 6.25" COAXIAL CEILING LOUDSPEAKER



The RDA10 is a cost-effective full-frequency 6.25-inch coaxial ceiling loudspeaker with a Class D digital audio amplifier that delivers up to 30W of power. It has built-in full-band coaxial loudspeakers that are easy and quick to install using standard bend clips. With its bezel free structure and exquisite slim design, it can be cleverly integrated into the ceiling environment, making it an ideal choice for hotels, conference rooms, shopping malls, educational institutions, hospitals, retail stores, performing arts centers, restaurants, airports, chapels and board rooms.

# RDA20

DANTE AUDIO NETWORKED ENABLED SPEAKER SYSTEM



The RDA20 is an integrated active full frequency speaker with network transmission and pure digital power amplifier. The speaker is powered by PoE/PoE+ network switch meaning no external power supply is required. The speaker includes a Class D amplifier which provides. Connect a network cable to communicate with the built-in Dante module to realize network audio signal transmission. By automatically assigning an IP address through the router DHCP, it can transmit signals with Dante's audio matrix in the LAN, and it is easy to set up a full digital network sound reinforcement system. Suitable for education, hospitals, small and medium-sized conference rooms, restaurants, houses of worship and other places.

## Key Features

### DSP Audio Digital Extension

- The high-speed DSP chip and self-developed digital audio extension algorithm are used to reduce the noise caused by audio transmission.

### Quick Installation

- It can be installed easily and quickly by using standard bending clamp. The shape adopts a frameless structure and exquisite thin design, which can be cleverly integrated into the ceiling environment, making it a hotel, conference room, shopping center, educational institution, hospital, retail store, performing arts center and other places.

### PoE Power Supply

- The latest standard specification for the simultaneous transmission of DATA and electrical power using existing standard Ethernet transmission cables while maintaining compatibility with existing Ethernet systems and users.

### Dante Network Audio Protocol

- Built-in Dante module communication to achieve network audio signal transmission. The IP address can be automatically assigned through DHCP router, and the signal can be transmitted with Dante audio matrix in the LAN, and a set of digital network sound reinforcement system can be easily established.

## Product Specification



**RDA10**  
Dante-Enabled 6.25" Coaxial Ceiling Loudspeaker

Power Supply:	Standard PoE/PoE+
Power Supply Voltage:	37V-57V
Input Mode:	Dante input
Output Power:	PoE 10W/PoE+ 20W
Frequency Response (-3dB) :	90Hz-16KHz
Sensitivity:	90dB
Sound Pressure Level Output (-6dB) :	110dB/RMS, 113dB/peak
Coverage Angle:	Horizontal 90° /vertical 90°
Socket:	RJ45 JACK
Installation Opening Size(mm):	Φ190
Size(mm):	210(W)×150(D)
Weight:	About 1.8kg

## Key Features

### Functional Diversification

- It has perfect protection functions (short circuit protection, overcurrent protection, over and under protection, DC protection, overheating protection, power voltage limit, clipping limiter), high efficiency and high sound energy output, excellent sound quality, perfect protection functions and good electromagnetic compatibility characteristics

### Intelligent IP Allocation

- Automatically assign IP addresses through router DHCP

### Dante Network Mode

- Full frequency speaker integrating network transmission and pure digital power amplifier

### PoE Power Supply

- The latest standard specification for the simultaneous transmission of DATA and electrical power using existing standard Ethernet transmission cables while maintaining compatibility with existing Ethernet systems and users.

### XLR Socket

- XLR RJ45 socket

## Product Specification





**RDA20**  
Dante Audio Networked Enabled Speaker System

Power Supply:	Standard PoE / PoE +
Power Supply Voltage:	37V-57V
Input Mode:	Dante input
Output Power:	PoE 10W / PoE + 20W
Frequency Response (-3dB):	85Hz-17KHz
Sound Pressure Level Output (-6dB):	110dB / aes continuous; 113dB / peak
Coverage Angle:	Horizontal / vertical 90° / 90°
Input jack:	RJ45
Size(mm):	132(W)×160(D)×236(H)
Weight:	About 2.93kg
Accessories:	Wall bracket

RDM Software Introduction

1.Connection method

1. Double-click the  software icon to open the software.
2. Click on the  button at the top right of the software interface to connect.

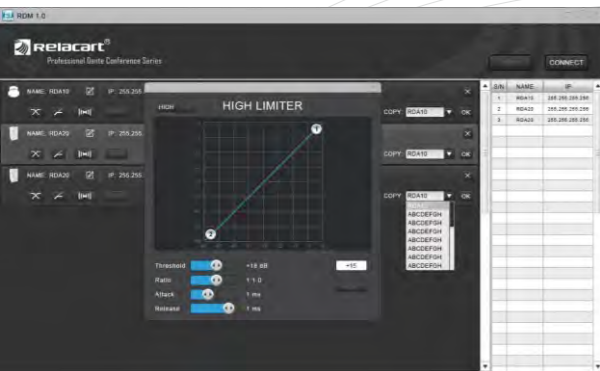
2.Key features of the software



Simple and easy-to-use management interface, display the name and IP of the device, convenient and accurate control of each device



Preset parameters can be saved and read, and the parameters of any device in the LAN can also be copied with one click





The tweeter and woofer LIMITER parameters can be set independently



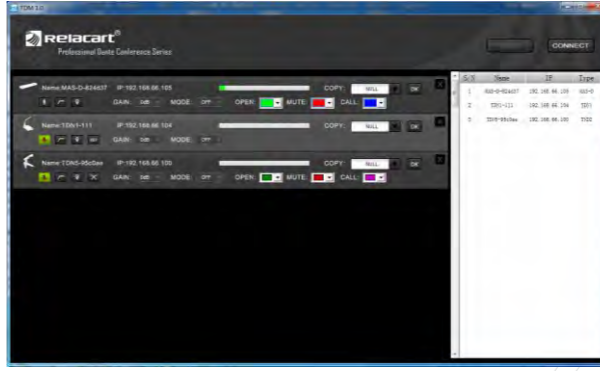
Both the tweeter and woofer can be set with 7-band equalization, high-pass filter and low-pass filter independently

TDM Software Introduction

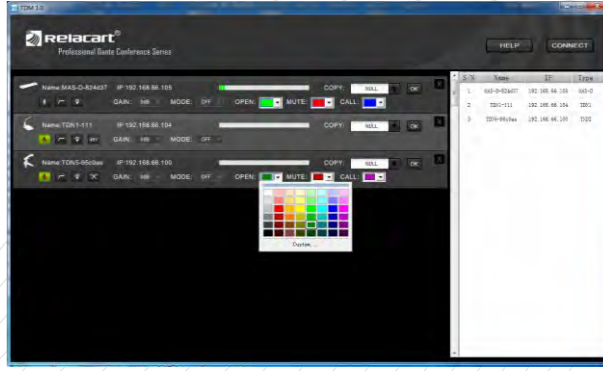
1.Connection method

1. Double-click the  software icon to open the software.
2. Click on the  button at the top right of the software interface to connect.

2.Key features of the software



Remotely control microphone mute, gain, low-cut switch, and work mode(ON/OFF/PTM/PTT) . The parameters of the same model microphone in the same LAN can be copied with one click



Some microphones support custom LED light color, you can customize the color of the indicator light in speaking state, mute state and call state through software



Some microphones support equalization adjustment function, 4-band equalization and high-pass filter can be set by software

TSG/RG series

PROFESSIONAL DESK  
MICROPHONE

Product Specification

TSG-923  
Professional Desk  
Microphone



• TSG-923/933 is a desktop conference microphone with a three-pin XLR male. It adopts a new square microphone tube and high-end customized leather material, which is elegant and generous. The V-shaped base distributes the weight of the microphone more evenly, making it more stable on the table. The condenser cardioid directivity microphone core and the adjustable pickup angle design are adopted, which can flexibly adjust the pickup direction according to personal usage habits. Placing it in a farther place gives participants more space, and at the same time, it can also reduce the interference of environmental noise by using the principle of lower sensitivity of the end.

Capsule Type:	Condenser
Polar Pattern:	Cardioid
Frequency Response:	100Hz-15KHz
Sensitivity:	-38dB at 1V at 1Pa
Output Impedance:	420Ω
Maximum Sound Pressure:	125dB, 1KHz at 1% T.H.D
Dynamic Range (Typical):	100dB, 1KHz at maximum sound pressure
S/N Ratio:	>65dB, 1KHz at 1Pa
Power Supply:	DC24-52V phantom
Power Switch:	On/Mute
Output Connector:	Male 3-pin XLR
Weight:	About 800g
Overall Size(mm):	225(W) x 135 (D)X95/220(H) (minimum angle/highest angle)
Colour:	TSG-923:Black TSG-923:Champagne gold

TSG-933  
Professional Desk  
Microphone



• TSG-902 is a wide frequency response condenser super directional microphone, with high quality sound pickup function, It is designed to the sound reinforcement, professional recording, television, broadcast, conference and other demanding high quality sound pickup applications.

Capsule Type:	Condenser
Polar Pattern:	Super Cardioid
Frequency Response:	80Hz-18KHz
Sensitivity:	-30dB at 1V at 1Pa
Impedance:	250Ω
Maximum Sound Pressure:	125dB, 1KHz at 1% T.H.D.
Dynamic Range :	100dB, 1KHz at maximum sound pressure
S/N Ratio:	110dB, 1KHz at 1% T.H.D.
Power Supply:	DC24-52V phantom
Switch:	On/Mute
Output Connector:	phoenix terminal connector / euroblock
Dimensions(mm):	170(W) x 270 (D)X120(H)
Weight(g):	About 825g

TSG-902  
Professional Desk  
Microphone



Product Specification

TSG-300  
Professional Desk  
Microphone



Capsule Type:	Fixed-charge back plate, permanently polarized condensers
Polar Pattern:	Cardioid
Frequency Response:	30Hz~18KHz
Sensitivity:	-35 dB (17.7mV) 1Pa at 1V
Impedance:	250Ω
Maximum Sound Pressure:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB, 1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Power Supply:	3V(AAx2)or 11-52V DC, 5 mA typical
Weight:	100g
Microphone Length(mm):	340,420(default),480
Output Connector:	Male 3-pin XLR
Accessories Furnished:	Windscreen
Color:	Black

TSG-600  
Professional Desk  
Microphone



Capsule Type:	Condensers
Polar Pattern:	Cardioid
Frequency Response:	80Hz~18KHz
Sensitivity:	-32 dB (17.7mV) 1Pa at 1V
Impedance:	250Ω
Maximum Sound Pressure:	125 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	105 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB, 1kHz at 1Pa
Switch:	Mute
Power Supply:	11-52V DC, 4 mA typical
Weight:	996g
Microphone Length(mm):	340,420(standard),480
Output Connector:	Male 3-pin XLR
Accessories Furnished:	Windscreen
Color:	Black

RG-10  
Professional Desk  
Microphone



Capsule Type:	Condenser
Polar Pattern:	Super Cardioid
Frequency Response:	50Hz~18KHz
Sensitivity:	- 47dB, f =1KHz @ 1V / Pa
Impedance:	2900Ω
Maximum Sound Pressure:	120 dB SPL, 1KHz at 1% T.H.D
Dynamic Range(Typical):	115 dB, 1 kHz at Max SPL
S/N Ratio:	>65dB, 1kHz at 1Pa
Switch:	(on circuit board) Mute/Toggle/Talk
Power Supply:	48V DC , 8 mA typical
Output Connector:	Male 3-pin XLR
Microphone Length(mm):	148(L) x 115(W) x 233(H)
Weight:	715g

Product Specification



TS-700

Gooseneck Microphone  
Desk Stand

- The TS-700 is made by durable alloy, without mute switch
- Matching microphone: GS-838/GS-450/EG-118/AL-19F/MS-923/MS-933

Mute Switch:	Without
Connector:	XLRF(gooseneck microphone) XLRM(output)
Weight(g):	700
Dimension(mm):	115(W)×140(D)×43(H)
Colour:	Black/Silver



TS-700S

Gooseneck Microphone  
Desk Stand

- The TS-700S is made by durable alloy, with mute switch
- Matching microphone: GS-838/GS-450/EG-118/AL-19F/MS-923/MS-933

Mute Switch:	Yes
Connector:	XLRF(gooseneck microphone) XLRM(output)
Weight(g):	700
Dimension(mm):	115(W)×140(D)×43(H)
Colour:	Black/Silver



TS-N1

Gooseneck Microphone  
Desk Stand



TS-F1

Gooseneck Microphone  
Desk Stand

- The TS-N1/TS-F1 is equipped with a blue/green LED indicator. The user can use the microphone to mute or speak operation, where the toggle between talk and mute can be programmed to toggle between live and mute audio (Latch switch on/off). Either preset to mute and only speak when pressed (press to talk), or preset to speak and only mute when pressed (press to mute). Low-impedance balanced audio output, the audio signal is output through the + and - pins of the XLR male header, and the G pin is connected to the ground (shield), and the output phase will be set on the + pin with a positive phase level.
- TS-N1: Matching microphone: GS-838/GS-450/EG-118/AL-19F/MS-923/MS-933
- TS-F1: Matching microphone: GS-380/EG-118/AL-19F

Frequency Response:	50HZ~20KHz
Impedance:	250Ω
Dynamic Range (typical):	100dB, 1KHz at maximum sound pressure
S/N ratio:	110dB, 1KHz at 1% T.H.D.
Switch:	On/Mute
Power Supply:	DC 24-52V phantom power supply
Output Connector:	phoenix terminal connector / euroblock
Weight:	700-720 g
TS-N1: Input socket:	3-pin XLR male socket
TS-F1: Input socket:	3-pin XLR female socket

Product Specification



TS-800/TS-800S

Gooseneck Microphone Desk Stand  
( XLR - type )

- TS-800/800S/800M/800SM anti-shock and an integral mute switch microphone stand effectively isolate mounted microphone from impact vibration and mechanical noise normally transmitted from the surface.
- It is intended for use with microphones stood on lecterns, pulpits, conference tables and similar surfaces.
- Matching microphone: GS-838/GS-450/EG-118/AL-19F/MS-923/MS-933

Switch (TS-800S):	Muted switch(1KHz at 55dB attenuation)
Phantom Power Requirements:	24-48V DC, 3 mA typical
Connector:	XLR - type XLRM - type
Dimensions(mm):	126(W)×152(D)×57(H)
Weight:	952g



TS-800M/TS-800SM

Gooseneck Microphone Desk Stand  
( XLRM - type )

FM series

FLUSH-MOUNT  
MICROPHONE SOCKET



FM

FLUSH-MOUNT  
MICROPHONE  
SOCKET

Product Specification



FM-200

Flush-mount  
Microphone Socket

- FM-200 is a recessed, conference microphone socket designed for desktop installation. It has a touch switch control and is also equipped with a ring-shaped LED status indicator, which displays green when the microphone is in the radio state and red when it is muted. The input end is a 3-pin XLR female socket, and the output end is a 3-pin XLR male header.

Frequency Response:	50~20,000Hz
Mute Attenuation:	<50dB at 1kHz/Pa
LED Indicator:	Radio status is green / mute status is red
Phantom Power Supply:	DC 20-52V, power consumption 4.5mA typical
Switch:	Touch mode, mute state by default when power on
Weight:	310g
Dimensions(mm):	59.2×59×156.5(L)
Input Interface:	3-pin XLR female
Output Interface:	3-pin XLR male
Random Accessories:	anti-vibration rubber*1, metal fixing ring*1



FM-300

Flush-mount Microphone  
Socket with Logic I/O

- The FM-300 is a embedded conference microphone base designed for desktop installation.
- The socket's logic out capability permits control of remote devices from a programmable capacitance switch, so users can easily trigger an external device (e.g., a camera or light) with the touch of a button – an extremely useful feature in conference and boardroom installations.

Frequency Response:	50~20,000Hz
Switch Logic Control:	High potential (DC +5V) when pressed; Low potential (DC 0V) when not pressed
LED Indicator:	Red: high level (DC +5V) Green: Low level (DC 0V)
Phantom Power Supply:	DC 20-52V, power consumption 4.5mA typical
Switch:	Touch mode, mute state by default when power on
Weight:	310g
Dimensions(mm):	59.2×59×156.5(L)
Input Interface:	3-pin XLR female
Output Interface:	5-pin XLR male
Random Accessories:	Anti-vibration rubber*1, metal fixing ring*1

Key Features



Practical Function

- Flush-mounted microphone socket, suitable for use with gooseneck microphones with 3-pin XLR male output.
- For unobtrusive installation on desktop.
- Connect the microphone with 3-pin XLR female, 3-pin XLR male output (XLRM)
- Equipped with anti-vibration rubber and metal fixing ring (used with gooseneck microphone) to reduce vibration noise on the installation surface.
- The working range of socket power supply is DC 20-52V.



Touch-Sensitive Control

- Design with momentary Touch-sensitive button, can control microphone mute



LED Ring Indicator Light

- The indicator shows green when the microphone is on. It will show red when the microphone is in mute status.



Logic Out Capacity

- Features with logic out capacity, users can connect an external device for further control(e.g., a camera or light).

Application:

- The socket needs DC 20V to 52V phantom power supply to work, and the electronic circuit in the socket needs 30 seconds to work stably after being powered on.
- Each socket is equipped with an anti-vibration rubber ring and a set of metal retaining rings (for use with gooseneck microphones) to reduce vibration noise on the mounting surface. The housing is a metal structure.

# AL/GS/EG/ES series

## CONDENSER GOOSENECK MICROPHONE WITH MUTE SWITCH



AL-19N/19T/19F series is a wide range miniature condenser microphone with cardioid orientation. It is designed for high-quality sound reinforcement, professional recording, television and other demanding polar applications. The small diameter double gooseneck design allows for highly flexible positioning while maintaining a smooth, contoured appearance.



GS-380/450/530 gooseneck microphone is a wide-range condenser Cardioid directivity professional microphone, dual gooseneck microphone design, built-in audio frequency transformer, the effect of high quality sound pickup. It is designed for professional recording, television broadcasting, meetings and other occasions.



EG-115/118/121 is wide-range miniature condenser microphone, dual gooseneck microphone pole design, high quality sound pickup. Widely apply to professional recording, broadcast and conference occasions. There is mini hidden low cut switch, can set 100Hz high pass filter and flat respond.



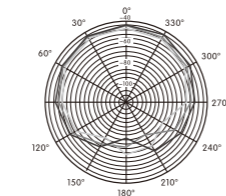
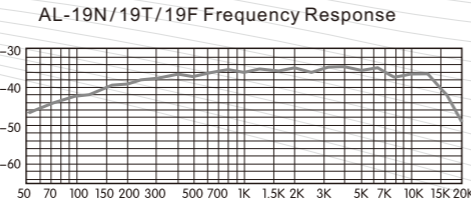
ES-910 gooseneck microphone is a professional microphone which is wide-range condenser super directivity, built-in audio transformer and have high quality pick up effect. This microphone is suitable for seminar, middle to large meeting, television broadcasting and professional recording.



AL-19N/19T/19F  
Gooseneck Microphone

Capsule Type: Condenser  
Polar Pattern: Cardioid  
Frequency Response: 80Hz-18KHz  
High Pass Filter: 100Hz, 18dB/octave  
Turn-on Sensitivity: -32dB, at 1V at 1Pa  
Impedance: 200Ω  
SPL: 127 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 110dB, 1KHz at max. SPL  
Switch: Flat, high pass filter  
S/N Ratio: >68dB, 1KHz at 1Pa  
Phantom Power Requirements: 11-52V DC  
Consumption: 5mA typical  
Dimensions/Weight: AL-19N: 380mm, 150g  
AL-19T: 450mm, 170g  
AL-19F: 530mm, 190g

Output Connector: Male 3-pin XLR  
Best Distance for Sound Pickup: 10cm-20cm  
Color: Black



AL-19N/19T/19F  
Polar Pattern



### Anti-Interference

- The gooseneck microphone outer shell is made by pure copper, cooperating ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or



### Flexible Adjustment

- Easy to adjust, durable, delicate gooseneck structure, enable to quickly and randomly fix the capsule in a suitable position other wireless devices.



### Clear Sound Quality

- The gooseneck microphone with low cut switch avoid "popping", cooperating with super low impedance output, very clear sound quality, much better than the normal phantom conferencing microphone.



### Phantom Power

- The integral power module can be powered from any external 11V to 52V DC phantom power supply.

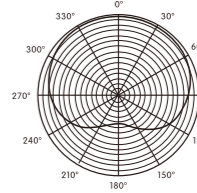
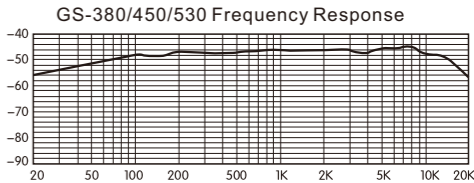
## Product Specification



GS-380/450/530  
Gooseneck Microphone

Capsule Type: Condenser  
Polar Pattern: Cardioid  
Frequency Response: 35-18,000 Hz  
Low Frequency Roll-Off: 100Hz, 18 dB / octave  
Open Circuit Sensitivity: -32dB (10.0 mV) re 1V at 1Pa  
Impedance: 250Ω  
SPL: 130 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 110dB, 1KHz at max. SPL  
S/N Ratio: >68dB, 1KHz at 1Pa  
Phantom Power Requirements: 11-52V DC  
Consumption: 5mA typical  
Dimensions/Weight: GS-380:380mm, 150g  
GS-450:450mm, 170g  
GS-530:530mm, 190g

Output Connector: Male 3-pin XLR  
Best Distance for Sound Pickup: 10cm-20cm  
Color: Black



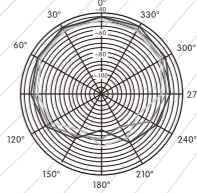
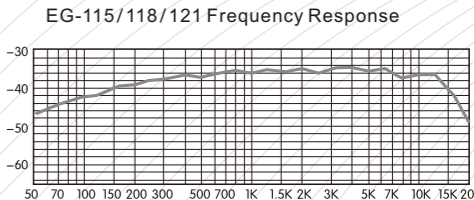
GS-380/450/530  
Polar Pattern



EG-115/118/121  
Gooseneck Microphone

Capsule Type: Condenser  
Polar Pattern: Cardioid  
Frequency Response: 20Hz-20KHz  
Low Frequency Roll-Off: 50Hz, 18 dB / octave  
Open Circuit Sensitivity: -44dB 1V at 1Pa  
SPL: 120 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 115dB, 1KHz at max. SPL  
Impedance: 280Ω  
S/N Ratio: >72dB, 1KHz at 1Pa  
Phantom Power Requirements: 11-52V DC  
Consumption: 4mA typical  
Dimensions/Weight: EG-115:380mm, 150g  
EG-118:450mm, 170g  
EG-121:530mm, 190g

Output Connector: Male 3-pin XLR  
Best Distance for Sound Pickup: 10cm-20cm  
Color: Black

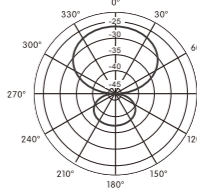
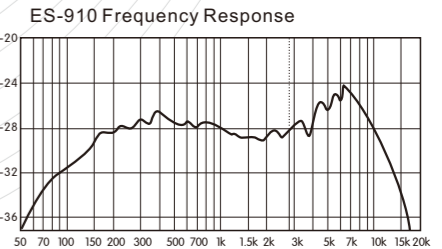


EG-115/118/121  
Polar Pattern



ES-910  
Gooseneck Microphone

Capsule Type: Condenser  
Polar Pattern: Super cardioid  
Frequency Response: 30Hz-18KHz  
Low Frequency Roll-Off: 100Hz, 18 dB / octave  
Open Circuit Sensitivity: -30dB (10.0 mV) re 1V at 1Pa  
Output Impedance: 250Ω  
SPL: 130 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 110dB, 1KHz at max. SPL  
S/N Ratio: >68dB, 1KHz at 1Pa  
Phantom Power Requirements: DC 11-52V DC  
Consumption: 5mA (typical)  
Dimensions: 330mm  
Weight: 180g  
Output Connector: Female 3-pin XLR  
Best Distance for Sound Pickup: 10cm-75cm  
Color: Black



ES-910  
Polar Pattern

CF/GF/MS series

CONDENSER GOOSENECK  
MICROPHONE WITH MUTE  
SWITCH

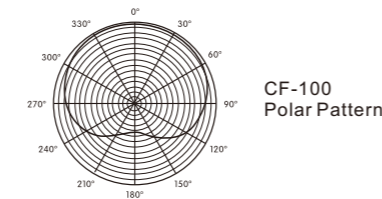
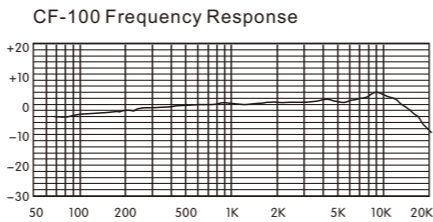
Product Specification



CF-100  
Gooseneck Microphone

CF-100 is a locking three pin balanced XLR female microphone microphone rod, which can firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact. It has LED ring indicator light ring, which can tell the working state of the microphone through the light and dark of the light ring.

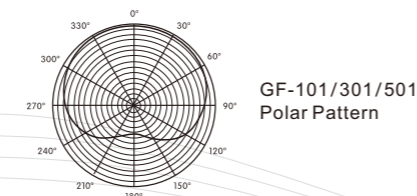
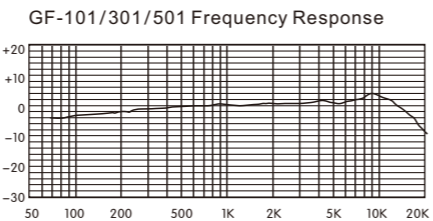
Capsule Type: Condenser  
Polar Pattern: Cardioid  
Frequency Response: 50Hz-18KHz  
Sensitivity: -47dB 1V at 1Pa  
SPL: 110 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 115dB, 1KHz at max. SPL  
Impedance: 680Ω  
S/N Ratio: >52dB, 1KHz at 1Pa  
Power Supply : 5V DC  
Consumption: 4mA typical  
Output Connector : Female 3-pin XLR  
Dimensions: 450mm  
Weight: About 145g



GF-101/301/501  
Gooseneck Microphone

GF-101/301/501 is a locking three pin balanced XLR female microphone microphone rod, which can firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact. It has LED ring indicator light ring, which can tell the working state of the microphone through the light and dark of the light ring. FI shielding technology can effectively suppress external RF interference, and different appearances and lengths can be selected.

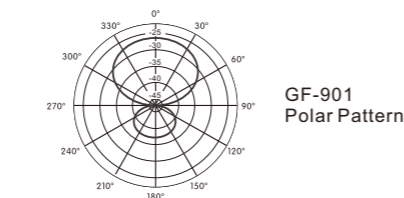
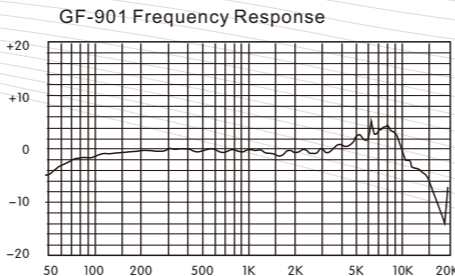
Capsule Type: Condenser  
Polar Pattern: Cardioid  
Frequency Response: 100-15000Hz  
Sensitivity: -47 dB/1kHz at 1Pa  
SPL: 105dB SPL/1kHz at 1% THD  
Impedance: 680Ω  
S/N Ratio: >52dB/1kHz at 1Pa  
Power Supply : 5V DC  
Output Connector : Female 3-pin XLR  
Dimensions/Weight: GF-101: 455mm ,165g  
GF-301: 415mm ,195g  
GF-501: 412mm ,190g



GF-901  
Gooseneck Microphone

GF-901 is a locking three pin balanced XLR female microphone microphone rod, which can firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact. It has LED ring indicator light ring, which can tell the working state of the microphone through the light and dark of the light ring. FI shielding technology can effectively suppress external RF interference.

Capsule Type: Condenser  
Polar Pattern: Super Cardioid  
Frequency Response: 100Hz-15KHz  
Sensitivity: -43dB 1V at 1Pa  
SPL: 110 dB, 1KHz at 1% T.H.D  
Impedance: 680Ω  
S/N Ratio: >55dB, 1KHz at 1Pa  
Power Supply : 5V DC  
Output Connector : Female 3-pin XLR  
Dimensions: 310mm  
Weight: About 170g



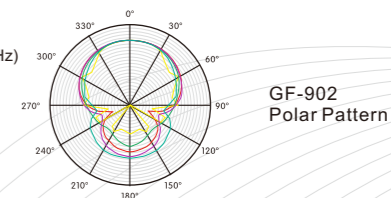
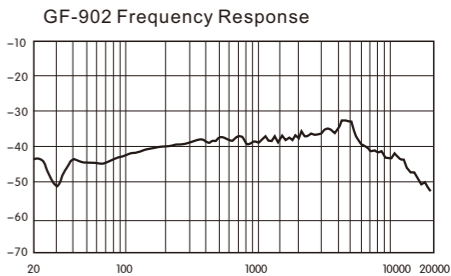
Product Specification



GF-902  
Gooseneck Microphone

GF-902 is a locking three pin balanced XLR female microphone microphone rod, which can firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact. It has LED ring indicator light ring, which can tell the working state of the microphone through the light and dark of the light ring. FI shielding technology can effectively suppress external RF interference.

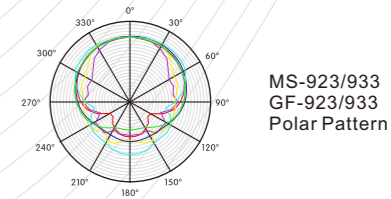
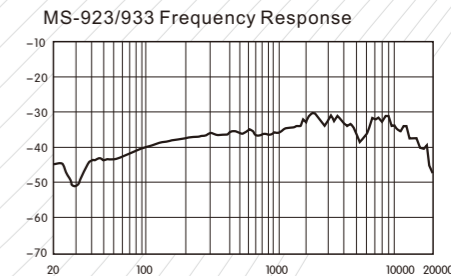
Capsule Type: Condenser  
Polar Pattern: Super Cardioid  
Frequency Response: 50Hz-20KHz  
Sensitivity: -20dB +/-3dB(0dB=1V/Pa,f=1KHz)  
SPL: 110dB(THD<5%, f=1KHz)  
S/N Ratio(A weighted): >100dBA(THD<1%,f=1 KHz)  
Distortion: <0.1%  
Power Supply : 5V DC  
Output Connector : XLRM  
Dimension (mm): 285 (L)  
Weight: About 180g  
Color: metallic gray



MS-923/GF-923  
Detachable Square  
Microphone

The MS-923/933 is a microphone with a three pin XLR female. The new square microphone tube and condenser cardioid microphone capsule can accurately pick up the sound and reduce the interference of environmental noise by using the principle of low terminal sensitivity. With 48V phantom power supply, it can support multiple bases within the rated voltage, and provide stable power supply for the microphone to reduce the occurrence of faults.

Capsule Type: Condenser  
Polar Pattern: Super cardioid  
Frequency Response: 100Hz-15KHz  
Sensitivity: >65dB 1V at 1Pa  
Impedance: 420Ω  
SPL: 125 dB, 1KHz at 1% T.H.D  
Dynamic Range(Typical): 100dB, 1KHz at max. SPL  
S/N Ratio: >52dB, 1KHz at 1Pa  
Power Supply : MS-923/MS-933:24-52V DC  
GF-923/GF-933:5V DC  
Consumption: 5mA typical  
Output Connector : Female 3-pin XLR  
Dimensions (mm): 225(L)×42×87  
Weight: About 355g  
Color: MS-923: Black  
MS-933: Champagne Gold



MS-933/GF-933  
Detachable Square  
Microphone

Relacart's detachable conference microphone bases can be used with detachable microphones at will, flexibly meeting different needs.

Detachables conference microphone bases collection

Wireless Microphone Bases



UD-222  
Wireless Gooseneck Microphone  
Desk Stand



UD-1 / UD-2  
Wireless Gooseneck Microphone  
Desk Stand



UD-903  
Wireless Gooseneck Microphone  
Desk Stand



UD-223  
Wireless Gooseneck Microphone  
Desk Stand

Conference System Unit Bases



WDC-903C/D  
Wireless Gooseneck Microphone  
Desk Stand



CS-302C/D  
Gooseneck Microphone  
Desk Stand



CS-102BC/D  
Gooseneck Microphone  
Desk Stand

Relacart's detachable conference microphone bases can be used with detachable microphones at will, flexibly meeting different needs.

Detachables Microphones collection

Detachables Gooseneck Microphones



GF-101  
Gooseneck Microphone



GF-301  
Gooseneck Microphone



GF-501  
Gooseneck Microphone



GF-100  
Gooseneck Microphone



GF-901  
Gooseneck Microphone



GF-902  
Gooseneck Microphone

Detachables Square Microphones



GF-923  
Detachable Square  
Microphone



GF-933  
Detachable Square  
Microphone



BM-112 and BM-113 is designed for ceilings mounting. t is available in two versions. BM-13 has a short flexible gooseneck and is ideal for installations with a low ceiling. Both microphones terminate in a single gang plate for easy installation into a standard electrical box. The BM-112 and BM-113 are suited for applications such as tele/video conferencing, choir miking, distance learning and wherever high quality speech or music reproduction/recording is required. Both microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones.

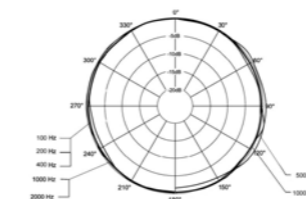
BM-112 accessories: gooseneck microphone, white, for mounting into the ceiling.(embedded installation/ Depressed socket) Size:90mm\*86mm  
 BM-113 accessories: hanging type gooseneck microphone, white, for mounting into the ceiling. (embedded installation/Depressed socket Size:90mm\*86mm

### Product Specification



BM-112  
Overhead Microphone

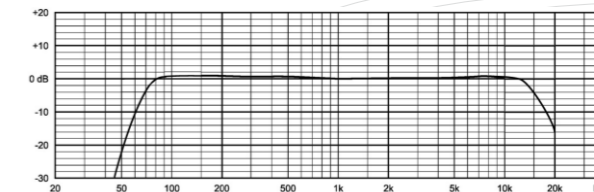
Capsule Type:	Condenser Omni-directional
High Pass Filter:	100Hz,18dB/octave
Frequency Response:	35Hz-18KHz
Sensitivity:	-32dB,1V@1Pa
Output Impedance:	200Ω
Max. Input Sound Level:	130dB, 1KHz @1%T.H.D
Dynamic Range(typical):	110dB,1KHz at highest sound level
S/N:	>68dB,1KHz@1Pa
Phantom Supply:	DC12-52V
Current Consumption:	8mA(BM-112Typical)
Output Connector:	3P fast connector
Dimension(mm):	90(L)×86(W)×35(H)
Weight:	95g
Colour:	White



BM-112 Polar Pattern

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

( frequency response measurement error: ±2.5dB)



BM-112 Frequency Response 0dB=18 mV/Pa

### Key Features

#### BM-112 Overhead Microphones

- Anti-Interference

  - Excellent RF shielding effect, effectively avoiding RF interference.
  - BM-112 Omni-directional polar pattern.

- Clear Sound Quality

  - High-quality speech reproduction.
  - High gain-before-feedback.
  - Flat and wide frequency response.

- Convenient Installation

  - Apply to fixing or suspended hanging installation.
  - Standard installation or embedded installation.
  - Hidden installation design.

#### BM-113 Overhead Microphones

- Anti-Interference

  - Excellent RF shielding effect, effectively avoiding RF interference.
  - BM-113 Cardioid polar pattern.

- Clear Sound Quality

  - High-quality speech reproduction.
  - High gain-before-feedback.
  - Flat and wide frequency response.

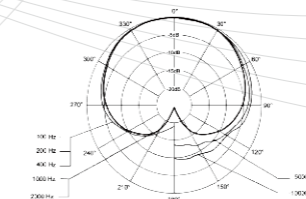
- Convenient Installation

  - Apply to fixing or suspend hanging installation.
  - Standard installation or embedded installation.
  - Hidden design.
  - BM-113 flexible gooseneck for optimal positioning.



BM-113  
Overhead Microphone

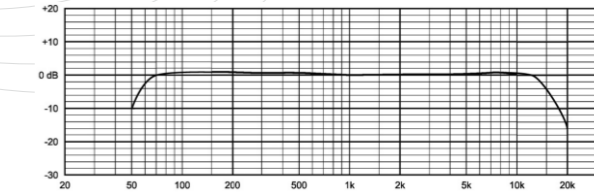
Capsule Type:	Condenser cardioid unidirectional
High Pass Filter:	100Hz,18dB/octave
Frequency Response:	35Hz-18KHz
Sensitivity:	-32dB,1V@1Pa
Output Impedance:	200Ω
Max. Input Sound Level:	130dB, 1KHz @1%T.H.D
Dynamic Range(typical):	110dB,1KHz at highest sound level
S/N:	>68dB,1KHz@1Pa
Phantom Supply:	DC12-52V
Current Consumption:	20mA(BM-112Typical)
Output Connector:	3P fast connector
Dimension(mm):	90(L)×86(W)×153(H)
Weight:	95g
Colour:	White



BM-113 Polar Pattern

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.

( frequency response measurement error: ±2.5dB)



BM-113 Frequency Response 0dB=18 mV/Pa

# BM/WB series

## BOUNDARY MICROPHONES

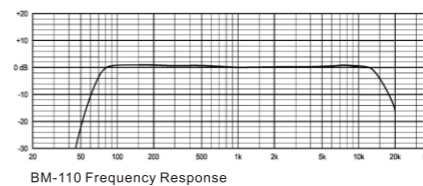
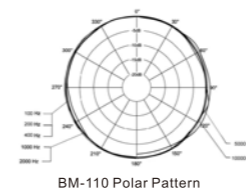


BM series condenser boundary microphone is designed for flush mounting into desktops or ceilings. Apply to televideo conferencing, recording or amplification of round table discussions and the microphones needs to be unobtrusive as possible. The microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones. BM-110 provides a half-spherical polar pattern, making it ideal for large rooms. Due to its high sensitivity, even pick up the sound in far distance, output level won't appear large influence. The elastic bearing rings isolate the mechanical of the surface, thus the microphone can effectively isolate the mechanical noise. BM-111 half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience.

### Product Specification



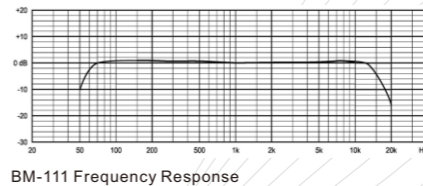
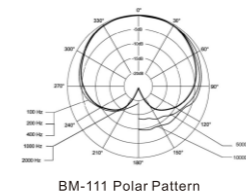
**BM-110**  
Boundary Microphone



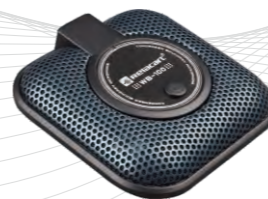
Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (omnidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 $\Omega$
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 $\mu$ V [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:74mm Width:20mm (steel pipe)39.5 mm(capsule ring)



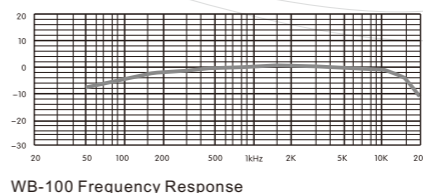
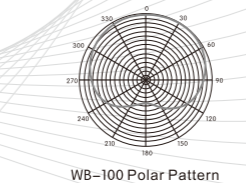
**BM-111**  
Boundary Microphone



Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (unidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 $\Omega$
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 $\mu$ V [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:75 mm Width:20mm (steel pipe)39.5 mm(capsule ring)



**WB-100**  
Boundary Microphone



Power Requirement:	24-52V DC Phantom
Consumption:	8mA(Typical)
Element:	Condenser
Polar Pattern:	Cardioid(120°abovemounting surface) Omnidirectional (360°)
Frequency Response:	65Hz-18KHz
Low Frequency Roll-Off:	80Hz, 18dB/octave
Sensitivity:	-36dB 1Pa at 1V
S/NRatio:	>67dB
Output Impedance:	200 $\Omega$
Dimension(mm):	110(W)×110(D)×18(H)
Weight:	300g

### Key Features

#### BM-110/BM-111 Wired Boundary Microphone



##### Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- High gain-before-feedback



##### Hidden Installation

- Apply to fix or suspended ceiling installation
- Specially design for flush mounting into desktops or ceilings.



##### Clear Sound Quality

- Cardioid polar pattern, high-quality speech reproduction.
- Low-impedance balance audio output, the sound is smooth and clear.
- Equipped with auto-gain audio processing circuit, effectively avoiding the feedback.



##### Super Strong Directivity

- Cardioid polar pattern, increase gainbefore-feedback.
- Decrease the environment noise and feedback, guarantee the vocal clarity.



##### Delicate Workmanship

- Heavy die-case, stable and durable alloy shell and microphone.
- The button is equipped with elastic bearing rings, minimize the coupling of surface vibration to the surface.



##### Convenient Installation

Accessories: elastic bearing rings  
Installation:  
The installation hole(with elastic bearing ring)Ø24mm(15/16")  
The installation hole(without elastic bearing ring)Ø20mm(13/16")  
The maximum thickness of the desktop/ceiling 57mm(2.25)

#### WB-100 Wired Boundary Microphone



##### Multi-function Switch

- Ultra-quiet electronic switch can control the microphone sound pickup. External LED control allows for accurate depiction of the live status.
- Logic input and output allows the connection with other central control systems. The microphone switch can control or be controlled by external automatic central control system or other devices. The LED can be controlled by the central control or other devices.



##### Delicate Workmanship

- Heavy die-cast case and non-slip silicon foam bottom padsminimize coupling of surface vibration to the microphone.



##### Anti-Interference

- ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or other wireless devices.



##### Four Modes For Selection

- Mode One: touch-on;
- Mode Two: touch-mute;
- Mode Three: touch-to-talk;
- Mode Four: touch-to-mute.

# IMIC-6

## DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM FOR EDUCATION



IMIC-6 is a true diversity dual-channel wireless microphone system developed by Relacart for educational applications. It features two XLR inputs for connecting additional wired microphones (with 48V phantom power), USB digital output, and specialized management software compatible with PC, smartphones, or tablets. It supports functions such as public address system input, alarm input, central control interface, microphone locking on charging base, feedback suppression, etc. Additionally, it comes with a page-turning laser pointer, smart charging base, and more, making it suitable for a wide range of applications including education, lectures, conferences, etc.

### Key Features



#### Multiple audio outputs

- Adopt 6.3mm unbalanced output, XLR balanced output, USB digital audio output, it is convenient to connect various audio processing equipment.



#### Infrared Pairing Window Extension Design

- The IR pairing function can be extended with the infrared extension synchronizer EC-50. When the receiver is installed in the cabinet, this synchronizer can be used to extend the IR window to a position convenient for synchronization.



#### Practical Function

- Connect to a PC or teaching tablet for audio input/output via USB. The page-turning control is also transmitted to the PC or tablet through this USB connection.
- Use the stereo AUX input of the RCA socket to connect LINE OUT audio equipment.
- Provide power to the charging base, allowing for charging of the transmitter and page-turning laser pointer. Up to 3 charging bases can be cascaded.
- Lock the transmitter and page-turning laser pointer in the charging base via remote control software.
- Remotely control the functional parameters of the receiver via the central control protocol.



#### Provide Power to Antennas

- The BNC connector of the receiver can be connected to passive antennas and active antennas, and it can provide power to the active antennas.



#### DSP audio processing algorithm

- Built-in high and low pass filters, parametric equalizer, feedback suppression, volume detection, audio matrix, volume control and other functions.



#### Alarm trigger input port

- When the alarm port receives a high-level signal, the alarm function is activated, automatically muting all output audio until the alarm state is cleared.



#### Public address system input

- For constant voltage power amplifier input, use the switch to select the input voltage level: 0V, 25V, 70V, 100V. The public address input also features a priority function. When an audio signal is input to the PA interface, other audio sources will be automatically muted. Once the public address audio signal ends, the mute will be canceled.

### Product Specification



## IMIC-6

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal chassis.
- Receiver equipped with exquisite LED display, can clearly display receiving channel, RF and AF signal.

Receiving Frequency Range:	470MHz-960MHz
Receiving Method:	Superheterodyne
Image Rejection:	45dBm
RF Sensitivity:	When inputting 10dBu, S/N≥45dB
Squelch Adjustment:	Built-in setting parameters
Frequency Synchronization method:	Manual button setting
Digital Audio Output:	Supports Type-C, USB audio, RJ45
Power Supply Mode:	DC12V 1A
Dimensions (mm):	410 (W)×206 (D)×43 (H)
Net Weight:	1.9KG

## T6

Wireless Transmitter



- An extremely compact wireless transmitter with a unique magnetic soft clip on the back, which can be clipped on your collar or attached to metal objects. Built-in 450mA lithium battery, bright OLED clearly displays the working status of the device, suitable for teaching, lectures, meetings, demonstrations and other occasions.

Display:	OLED
Built-in lithium battery:	450mA
Current:	120mA
Transmission power :	15dBm
Maximum deviation range:	50KHZ
Dimensions (mm):	67 (W)×32 (D)×13.5 (H)
Weight:	31.5g

## EC-6

Single Bay Charger



- Single Bay Charger suitable for the IMIC-6 series supports one-click locking function, which can prevent device loss after being turned on and easy to manage. It has two TYPE-C communication ports and a wiring terminal for external control signals, which can upload the equipment status to the central control system for centralized management.
- DC-5V provides a maximum charging current of 1A.
- Dimensions (mm): 86 (W)×86 (D)×60.2 (H)

## WL-6

page-turning laser pointer (green light)



- The laser pointer is suitable for the IMIC-6 series. It has an exquisite and lightweight appearance. It supports wireless control of page turning and laser pointing functions. It can be used in teaching, lectures, demonstrations, meetings and other occasions.

Power Supply:	Built-in lithium battery
Charging:	Dedicated charging stand or USB-C plug DC-5V-1A
Power Consumption:	Laser startup 0.66W (5V/132mA)
Standby:	500nA
Wireless control page turning distance:	10 meters
Dimensions (mm):	31 (W)×15.5 (D)×112.7 (H)

## EC-6W

Single Bay Charger (Built-in page turning function receiver)



- Single Bay Charger suitable for the IMIC-6 series supports one-click locking function, which can prevent device loss after being turned on and easy to manage. It has two TYPE-C communication ports and a wiring terminal for external control signals, which can upload the equipment status to the central control system for centralized management.
- DC-5V provides a maximum charging current of 1A.
- Dimensions (mm): 86 (W)×86 (D)×60.2 (H)

## EC-50

External Synchronizer



- The infrared extension synchronizer can provide a larger and better receiving effect in the required coverage area, and expand the working range and stability of the wireless system. As long as the receiver and the transmitter are aligned within a range of about 30CM can achieve the synchronization. After the synchronization is completed, the infrared extension synchronizer will make a "dee" sound.
- The EC-50 can be installed on the indoor wall.

Working Mode:	MCU control
Infrared Frequency:	32KHz
Power Supply:	DC 12V
Normal Working Current:	50mA
Size(mm):	85×85×35
Weight:	65g

# IMIC-6D

DUAL CHANNEL TRUE DIVERSITY  
WIRELESS MICROPHONE SYSTEM  
FOR EDUCATION

Dante®

IMIC-6D is a true diversity dual-channel wireless microphone system developed by Relacart for educational applications. It features two XLR inputs for connecting additional wired microphones (with 48V phantom power), Dante output ,USB digital output, and specialized management software compatible with PC, smartphones, or tablets. It supports functions such as public address system input, alarm input, central control interface, microphone locking on charging base, feedback suppression, etc. Additionally, it comes with a page-turning laser pointer, smart charging base, and more, making it suitable for a wide range of applications including education, lectures, conferences, etc.

## Key Features



### Multiple audio outputs

- Adopt 6.3mm unbalanced output, XLR balanced output, Dante network audio output and USB digital audio output, it is convenient to connect various audio processing equipment.



### Infrared Pairing Window Extension Design

- The IR pairing function can be extended with the infrared extension synchronizer EC-50. When the receiver is installed in the cabinet, this synchronizer can be used to extend the IR window to a position convenient for synchronization.



### Practical Function

- Connect to a PC or teaching tablet for audio input/output via USB. The page-turning control is also transmitted to the PC or tablet through this USB connection.
- Use the stereo AUX input of the RCA socket to connect LINE OUT audio equipment.
- Provide power to the charging base, allowing for charging of the transmitter and page-turning laser pointer. Up to 3 charging bases can be cascaded.
- Lock the transmitter and page-turning laser pointer in the charging base via remote control software.
- Remotely control the functional parameters of the receiver via the central control protocol.



### Provide Power to Antennas

- The BNC connector of the receiver can be connected to passive antennas and active antennas, and it can provide power to the active antennas.



### DSP audio processing algorithm

- Built-in high and low pass filters, parametric equalizer, feedback suppression, volume detection, audio matrix, volume control and other functions.



### Alarm trigger input port

- When the alarm port receives a high-level signal, the alarm function is activated, automatically muting all output audio until the alarm state is cleared.



### Public address system input

- For constant voltage power amplifier input, use the switch to select the input voltage level: 0V, 25V, 70V, 100V. The public address input also features a priority function. When an audio signal is input to the PA interface, other audio sources will be automatically muted. Once the public address audio signal ends, the mute will be canceled.

## Product Specification



## IMIC-6D

Dual Channel Wireless  
Receiver

- EIA Standard Rack 1U metal chassis.
- Receiver equipped with exquisite LED display, can clearly display receiving channel, RF and AF signal.

Receiving Frequency Range:	470MHz-960MHz
Receiving Method:	Superheterodyne
Image Rejection:	45dBm
RF Sensitivity:	When inputting 10dBu, S/N≥45dB
Squelch Adjustment:	Built-in setting parameters
Frequency Synchronization method:	Manual button setting
Digital Audio Output:	Supports Type-C, USB audio, RJ45, DANTE audio
Power Supply Mode:	DC12V 1A
Dimensions (mm):	410 (W)×206 (D)×43 (H)
Net Weight:	1.9KG

## T6

Wireless Transmitter



## EC-6

Single Bay  
Charger



## WL-6

page-turning laser pointer  
(green light)



## EC-6W

Single Bay Charger  
(Built-in page turning  
function receiver)



- An extremely compact wireless transmitter with a unique magnetic soft clip on the back, which can be clipped on your collar or attached to metal objects. Built-in 450mA lithium battery, bright OLED clearly displays the working status of the device, suitable for teaching, lectures, meetings, demonstrations and other occasions.

Display:	OLED
Built-in lithium battery:	450mA
Current:	120mA
Transmission power :	15dBm
Maximum deviation range:	50KHZ
Dimensions (mm):	67 (W)×32 (D)×13.5 (H)
Weight:	31.5g

- Single Bay Charger suitable for the IMIC-6 series supports one-click locking function, which can prevent device loss after being turned on and easy to manage. It has two TYPE-C communication ports and a wiring terminal for external control signals, which can upload the equipment status to the central control system for centralized management.
- DC-5V provides a maximum charging current of 1A.
- Dimensions (mm): 86 (W)×86 (D)×60.2 (H)

- The laser pointer is suitable for the IMIC-6 series. It has an exquisite and lightweight appearance. It supports wireless control of page turning and laser pointing functions. It can be used in teaching, lectures, demonstrations, meetings and other occasions.

Power Supply:	Built-in lithium battery
Charging:	Dedicated charging stand or USB-C plug DC-5V-1A
Power Consumption:	Laser startup 0.66W (5V/132mA)
Standby:	500nA
Wireless control page turning distance:	10 meters
Dimensions (mm):	31 (W)×15.5 (D)×112.7 (H)

- Single Bay Charger suitable for the IMIC-6 series supports one-click locking function, which can prevent device loss after being turned on and easy to manage. It has two TYPE-C communication ports and a wiring terminal for external control signals, which can upload the equipment status to the central control system for centralized management.
- DC-5V provides a maximum charging current of 1A.
- Dimensions (mm): 86 (W)×86 (D)×60.2 (H)

- The infrared extension synchronizer can provide a larger and better receiving effect in the required coverage area, and expand the working range and stability of the wireless system. As long as the receiver and the transmitter are aligned within a range of about 30CM can achieve the synchronization. After the synchronization is completed, the infrared extension synchronizer will make a "dee" sound.
- The EC-50 can be installed on the indoor wall.

Working Mode:	MCU control
Infrared Frequency:	32KHz
Power Supply:	DC 12V
Normal Working Current:	50mA
Size(mm):	85×85×35
Weight:	65g



IMIC-5 is an antenna diversity wireless system independently developed by Relacart. It can expand the functions of automatic synchronization microphone, external central controller, page turning function. Applicable to schools and office. It is a series of products with stable function, long receiving distance, easy installation.

## Key Features



### AFS(Automatic Frequency Selection)

- It still supports the "AFS" automatic frequency search function, which scans and calculates non interference working channels quickly and accurately according to the preset frequency;



### Clear Sound Quality

- Equipped with Relacart classic audio companding circuit, it can reduce the noise from radio wave transmission to a minimum, and ensure the maximum pickup effect of the product.



### IR Infrared

- With a shortcut button for [IR] automatic synchronization function. Just place the microphone near the front of the IR window of the receiver and press the SYNC button shortly. The transmitter automatically synchronizes to the receiver's operating frequency accurately.



### Multifunction Design

- IMIC-5 can expand the functions of automatic synchronization microphone, external central controller, page turning function.
- Equipped with expansion synchronizer TM-5-IR, as long as the handheld transmitter TM-5-H is near the front of TM-5-IR about 30cm, the transmitter will automatically synchronization with the same frequency with receiver.
- The BNC antenna can be connected to coaxial antennas and extended antennas, and provides antenna power supply voltage, supports connection to Relacart Antenna Distribution System, expands multiple devices by the antenna and enhances the reception



### Super Wide Frequency Range

- 128MHz wideband transmitter, four different frequency band receivers can be optional interoperability, which greatly facilitates project debugging and management.
- Have a channel group mode, there are 50 channel groups in each frequency band for user selection.



### Anti-Interference

- Use antenna diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the receiver anti-interference; the operating frequency range is 521MHz ~ 938MHz according to the radio wave control laws and regulations of various countries;



### Compact size and convenient

- TM-5-H handheld microphone has a novel appearance, miniature and light weight. The circuit uses advanced PLL technology, built-in removable lithium battery, USB-TYPE-C charging interface, and laser pointer. Low power consumption. It can work continuously for more than 8 hours on a single charge. It can be equipped with Qi-certified wireless charger and wireless charging.
- The receiver is equipped with a beautiful LCD display, which can clearly display the receiver 23 information, such as channel, RF and AF signals.
- Comply with RS-485 serial communication protocol

## Product Specification



### IMIC-5

Single Channel Wireless Receiver

Tuning Bandwidth:	521.25MHz ~ 936.85MHz
Receiving Mode:	Super heterodyne antenna diversity receive
RF Sensitivity:	5dBuV, S/N>60dB at 25 deviation
Squelch Adjustment:	5 to 35dB in 5dB steps.
Frequency Sync:	IR Sync
Maximum Output level:	+11dBV
Output level Adjustment Range:	MUTE to +11dBV Mechanical regulation
Power Supply:	DC12V / 1A
Normal Working Current:	DV12V, 220mA
Dimensions(mm):	240 (W) × 165 (D) × 35 (H)
Net Weight:	1kg



### TM-5H

Pen-type Microphone

- TM-5H handheld microphone is novel in appearance and small in size. Its circuit adopts advanced phase-locked technology, with built-in removable lithium battery, USB-TYPE-C charging interface and laser pen. Low power consumption, continuous working time of one charge ≥ 8 hours. It can be equipped with a wireless charging station certified by Qi, and can also realize wireless charging.

RF Carrier Range:	521.25MHz~938.85MHz
Frequency Stability:	±0.005%
Operating Range (environment dependent):	50m
Companding:	Relacart's classic audio companding circuit
Audio Frequency Response:	50Hz~18KHz/±3dB
Dynamic Range:	>100dB
S/N Ratio(A-Weighted):	>100dB
Total Harmonic Distortion:	<0.6%@1KHz
Operating Temperature Range:	-10°C~+50°C



# TM-500

## DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM

### Product Specification



TM-500  
Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal chassis.
- Receiver equipped with exquisite LED display, can clearly display receiving channel, RF and AF signal.

Receive Bandwidth:	521.25MHz ~ 936.85MHz
Receiving Method:	FM super heterodyne true diversity reception
RF Sensitivity:	5dBv, S/N≥60 dB at 25KHz deviation
Squelch Adjustment:	Set
Frequency Synchronization Method:	IR Sync
Maximum Output level:	Maximum output + 11dBV
Output Level Adjustment Range:	Set
Power Supply:	DC12V / 1A
Normal Working Current:	DV12V, 330mA
Dimensions(mm):	410 (W) × 206 (D) × 43 (H)
Net Weight:	1.8kg

TM-500 is a true diversity wireless receiver developed by Relacart independently. It can be uses with external frequency controller that can be synchronize the microphone automatically, and it can be connected to the central controller, and has returning pages and cascade function.

### Key Features



#### AFS(Automatic Frequency Selection)

- With "AFS" automatic frequency search function, according to the preset frequency to scan and calculate the interference-free working channel quickly and accurately.



#### Reliable Signal

- The BNC antenna jack can be connected to coaxial antennas and extended antennas, and provides antenna voltage, supports connection to the Relacart antenna distribution system, Extend multiple devices and enhance the receiving distance and improve the signal stability.



#### Anti-Interference

- The antenna diversity FM superheterodyne reception is adopted to ensure the stability of the received RF signal and the receiver's own anti-interference; the operating frequency range is 521MHz ~ 938MHz according to the radio wave control laws and regulations of various countries.



#### IR Infrared

- With [IR] infrared automatic synchronization frequency function, the transmitter's infrared window facing the infrared window of the receiver and press the "SYNC" button. The transmitter is automatically and accurately synchronized to the receiver's operating frequency.



#### Intelligent Design

- The receiver is equipped with LED segment displays, which can clearly display receiver information, such as channel, RF and AF signals.
- Applicable to schools and offices. It has stable function, long receiving distance and easy installation.
- Compliant with RS-485 communication protocol



#### Generality

- 128MHz wide-band transmitter, four receivers in different frequency bands can be used interchangeably, which greatly facilitates engineering debugging and management.
- Use the channel group mode, and there are 50 channel groups in each frequency band for user selection.



TM-5H  
Pen-type Microphone

- TM-5H handheld microphone is novel in appearance and small in size. Its circuit adopts advanced phase-locked technology, with built-in removable lithium battery, USB-TYPE-C charging interface and laser pen. Low power consumption, continuous working time of one charge ≥ 8 hours. It can be equipped with a wireless charging station certified by Qi, and can also realize wireless charging.

RF Carrier Range:	521.25MHz~938.85MHz
Frequency Stability:	±0.005%
Operating Range (environment dependent):	50m
Companding:	Relacart's classic audio companding circuit
Audio Frequency Response:	50Hz~18KHz/±3dB
Dynamic Range:	>100dB
S/N Ratio(A-Weighted):	>100dB
Total Harmonic Distortion:	<0.6%@1KHz
Operating Temperature Range:	-10°C~+50°C



EC-50  
External Synchronizer

- The infrared extension synchronizer can provide a larger and better receiving effect in the required coverage area, and expand the working range and stability of the wireless system. As long as the receiver and the transmitter are aligned within a range of about 30CM can achieve the synchronization. After the synchronization is completed, the infrared extension synchronizer will make a "dee" sound.
- The EC-50 can be installed on the indoor wall.

Working Mode:	MCU control
Infrared Frequency:	32KHz
Power Supply:	DC 12V
Normal Working Current:	50mA
Size(mm):	85×85×35
Weight:	65g

ACCESSORIES

Product Specification



Charging box Specification	
Charging Voltage And Current:	5V/800mA
Maximum Power Consumption:	11A/65W
Number of Rechargeable Batteries:	12
Charging Display:	4-segment digital light
Power Supply:	100-240VAC, 50/60Hz.
Size(mm) :	488(W)×133(H)×190 (D)
Weight:	3.2kg

Battery Speicification	
Name:	Li-ion Polymer Battery
Model:	BP-10Li(545575)
Rated Capacity:	2900mAh/10.73Wh
Rated Voltage:	3.7V
Limited Charge Voltage:	4.2V
Measurement(mm):	85(W)×70(D)×9.5 (H)
Weight:	70g

RC-12Li is a charging box made of iron plate metal. It is durable, exquisite and beautiful. It can charge 12 pieces of BP-10Li lithium-ion polymer batteries at the same time. The 4-segment digital light shows the charging status. It has over voltage, over current circuit protection, and high temperature to escort battery charging.

Key Features

- It can charge 12 pieces BP-10Li lithium-ion polymer batteries at the same time, the maximum charging current is 800mA, and the BP-10Li battery can be fully charged in 5 hours.
- The 4-segment digital light shows the charging status, the digital light flashes rollingly when charging, and the 4-segment digital light is always on when fully charged.
- Adopt separate charging scheme, each battery has a separate charging management circuit
- Built-in self-recovery fuse, when the current of the charging circuit is too large, the self-recovery fuse will be disconnected to protect the circuit and the battery from damage. When the current of the circuit is normal, the self-recovery fuse returns to normal, and the charging circuit can work and charge normally.
- It has detection and protection circuits such as over voltage, over current, overcharge, and high temperature to protect the battery from charging safely.
- The charging box can be placed on the desktop or installed in the cabinet, which is convenient for installation and management.

ACCESSORIES

Product Specification



Charging box Specification	
Charging Voltage And Current:	5V/800mA
Maximum Power Consumption:	11A/65W
Number of Rechargeable Batteries:	24
Charging Display:	4-segment digital light
Power Supply:	100-240VAC, 50/60Hz.
Measurement(mm):	540(W)×400(D)×146 (H)
Weight:	7.5kg

Battery Speicification	
Name:	Li-ion Polymer Battery
Model:	BP-10Li(545575)
Rated Capacity:	2900mAh/10.73Wh
Rated Voltage:	3.7V
Limited Charge Voltage:	4.2V
Measurement(mm):	85(W)×70(D)×9.5 (H)
Weight:	70g

RC-24Li is a charging box made of iron plate metal. It is sturdy, durable and exquisite. It can charge 24 pcs of BP-10Li lithium-ion polymer batteries at the same time. The 4-segment digital light shows the charging status. It has over voltage, over current circuit protection, high-temperature detection and protection circuit to protect battery charging.

Key Features

- It can charge 24 BP-10Li lithium ion polymer batteries at the same time the maximum charging current is 800mAand the completely discharged BP-10Li battery can be fully charged within 5 hours.
- The 4-segment digital light shows the charging status the digital light scrolls and flashes while charging, and the 4-segment digital light is on when it is fully charged.
- Adopt a separate charging scheme each battery has a separate charging management circuit, and a problem with one charging circuit will not affect the other charging batteries.
- Built-in self-recovery fuse, when the current of the charging circuit is too large, the self-recovery fuse will be disconnected to protect the circuit and battery from damage. When the current of the circuit is normal the self-recovery fuse returns to normal and the charging circuit can be charged in normal operation.
- It has detection and protection circuits for over voltage, over current overcharge, and high temperature to protect the battery from being charged safely. The charging box can be placed on the desktop or installed in the cabinet to facilitate installation and management.

ACCESSORIES

Product Specification



P-48V1S Single-channel 48V Phantom Power Supply

- Phantom power supply, providing standard 48V phantom power supply.

Input Voltage	24V AC
Input Impedance	10,000 ohms
Output Voltage	250 ohms
Max.Input Level	+15dBV(1% T.H.D. at 1kHz)
Max.Attenuation	33dB at 1kHz
Weight	372g



EXP-124 Conference System Expansion Power Supply

- It is used to compensate the voltage attenuation caused by too long cable of the conference system, and is suitable for the conference system with 24V power supply.

Input Voltage:	AC220V, 50Hz
Output Voltage:	24V
Max:Output Power	72W
Input Expansion Connector:	9P-Pin aviation XLRM X1
Output Expansion Connector	9P-Pin aviation XLRM X1
Number of Microphones Supported :	15
Weight:	686g



EXP-124W Technical Specifications

Model:	EXP-124W
Power supply(AC):	110-240V, 50/60Hz
Output voltage:	24V
Maximum power output:	72W
Input/Output interface:	Network cable port
Number of Microphones Supported :	15
Dimension (mm):	220(L)x140(W)x48(H)
Weight:	About 950g



BP-10Li Li-ion Polymer Battery

- Compatible model: WDC-903C/D WDC-923C/D WDC-933C/D

Model:	BP-10Li(545575)
Rated Capacity:	2900mAh/10.73Wh
Rated Voltage:	3.7V
Limited Charge Voltage:	4.2V
Measurement(mm):	85(W) X70(D) x 9.5 (H)
Weight:	70g

ACCESSORIES

Product Specification



P-24V01 Adaptor

- AC 24V power supply, power supply for p-48v1s.

Input Voltage	220V AC
Output Voltage	24VAC
Current	100mA
Weight	276g



MC9-Pins Connecting Cable for conference system

- 9 pin cable for CS100/101/301/300 conference system main controller and microphone connection

Length available	
MC9-15-1	1.5M×1M
MC9-15-10	1.5M×10M
MC9-15-20	1.5M×20M
MC9-15-30	1.5M×30M
MC9-15-40	1.5M×40M



RC-809HD Camera

- 4 million pixels, 1 / 2.5 inch Exmor CMOS sensor Full HD HD multi-format output (DVI-I / HDMI / 3G-SDI)20x zoom
- Wide-range fast pan / tilt head, precise positioning at 355 degrees horizontally
- Multifunctional infrared remote control, all functions of the camera can be completed by remote control
- Support RS-232C and RS-422 / 485 control
- Compatible with SONY VISCA protocol and PELCO P / D protocol
- Image flip support (for desktop and ceiling installation)
- Support self-upgrade program through RS-232C serial port



CB-S2

- When the pop-up floor box needs to be used, just press the switch of the floor box lightly, and the movable cover (protective cover) will pop up. When not in use, press the movable cover (protective cover) to close it.
- Anti-seepage structure, when the cover is closed, harmful substances are not easy to enter the floor box
- Using a very strong copper-aluminum alloy material, it is not easy to damage
- When the plug is plugged in, it will not be closed if you accidentally step on it
- Easy to assemble all kinds of modules

MIXX 16 | DIGITAL MIXER



MIXX16 Digital Mixer is a 16 inputs and 8 output digital wireless control mixer, is a new mixer through the tablet computer application control, can support all iOS, Windows 8 tablet and Android tablet. Using Wi-Fi to connect, anywhere in the wireless network within the scope of control. With 16 channels of broadcasting quality microphone amplifier (including 4 modular jack), main and aux outs. Adopt high performance 40 bit floating-point digital signal processor, 24 bit AD/DA converter. Built-in effects processor, compression and limiter, gate plug-ins, parametric equalizer Wireless control mode makes you can walk between the stage and the crowd. It is 16-channel digital mixer that with the iPad and tablet computer touch.

Key Features

Practical Function

- Intuitive touch control, covering almost all the major mixing functions.
- The mixer interface can be adjusted for each channel control, including solo, mute, audio-visual, fader, you can see the full level meter.
- Tons of built-in processing. Choice of powerful, touch-sensitive plug-ins, 4-band EQ, gate and compression on inputs, 31-band GEQ and com/limiter on outputs, global reverb and delay.

Clear Sound Quality

- Ultra low-noise, high-headroom design.

Flexible Configuration

- Each channel can edit their own names and icons for easy identification, the icon can be imported from a picture library.
- Power and 48V phantom power switches and LEDs round out the mixer.
- Seamless wired to wireless mixing, turn the room from anywhere, get on stage to ring out monitors, personal monitor mixing with access control ability.

Product Specification



MIXX 16  
Digital Mixer

Sample Rate:	24bit,48kHz
Frequency Respond:	20 Hz to 20 kHz +0/-1 dB
System Delay:	1.5 ms
T.H.D.:	<0.005%
Noise-Mic Input to Main Output:	-72 dBv Single channel-Max fader(A weighted ) -90dBv Single channel-Min fader(A weighted )
Input Crosstalk (adjacent channel):	<-120 dB @1 kHz
S/N:	93dB Single channel-Max fader(A weighted)
Dynamic Range:	110dB Single channel-Max fader(A weighted)
CMR:	>70 dB @1 kHz
Input Impedance:	30 kΩ(1/4")
Gain:	0 to 60 dB (XLR ) -20 to 40 dB(1/4")
Output Impedance:	600Ω(XLR Balance)
Max Output Level:	+21 dBu(XLR Balance)
Power Supply:	DC 12V-15V(3.5A)
Dimension(mm):	359(L)×85.5(H)×411(D)
Weight:	Approximately 4.2kg

Software Interface Instructions

- ① Channels
- ② AUX
- ③ Phantom Power
- ④ Effect
- ⑤ Channel Name
- ⑥ Compression and Gate
- ⑦ Matrix
- ⑧ Master output



INPUT EQ

- ① EQ Setting
- ② EQ Adjustable
- ③ HPF and LPF adjustable

MIXX 12

DIGITAL MIXER WITH DANTE  
INTERFACE



MIXX12 Digital Mixer is a 12 inputs and 6 outputs digital wireless control mixer, is a new mixer through the tablet computer application control, can support all iOS. Windows 8 tablet and Android tablet. Using Wi-Fi to connect, anywhere in the wireless network within the scope of control. With 12inputs/12 channels of broadcast quality microphone amplifier,6 outputs (two main and 4 aux outs). Adopt high performance 40 bit floating-point digital signal processor,24 bit AD/DA converter. Built-in effects processor, compression and limiter, gate plug-ins,parametric equalizer. Wireless control mode makes you can walk between the stage and the crowd. It is 12-channel digital mixer that with the iPad and tablet computer touch. Equip with DANTE card.

Key Features

 Practical Function

- Intuitive touch control, covering almost all the major mixing functions.
- The mixer interface can be adjusted for each channel control, including solo, mute, audio-visual, fader, you can see the full level meter.
- Tons of built-in processing. Choice of powerful, touch-sensitive plug-ins, 4-band EQ, gate and compression on inputs, 31-band GEQ and com/limiter on outputs, global reverb and delay.

 Flexible Configuration

- Each channel can edit their own name and icon for easy identification, the icon can be imported from a picture library.
- Power and 48V phantom power switches and LEDs round out the mixer.
- Seamless wired to wireless mixing, turn the room from anywhere, get on stage to ring out monitors, personal monitor mixing with access control ability.

 Flexible Expansion

- Use up to 10 iOS devices simultaneously.
- Standard Ethernet or Dante™ digital soundcard available, can connect the MIXX12 to any Dante™ device.

 Clear Sound Quality

- Ultra low-noise, high-headroom design.

Product Specification



MIXX 12  
Digital Mixer

Sample Rate:	24bit,48kHz
Frequency Respond:	20 Hz to 20 kHz +0/-1 dB
System Delay:	1.5 ms
T.H.D.:	<0.005%
Noise-Mic Input to Main Output:	-72 dBv Single channel-Max fader(A weighted ) -90dBv Single channel-Min fader(A weighted )
Input Crosstalk (adjacent channel):	<-120 dB @1 kHz
S/N:	93dB One channel and main fader at unity(A-weighted)
Dynamic Range:	110dB 93dB One channel and main fader at unity(A-weighted)
CMR:	>70 dB @1 kHz
Input Impedance:	3.3kΩ ( XLR Balance ) ;30 kΩ ( 1/4" )
Gain:	0 to 60 dB (XLR )
Output Impedance:	600Ω(XLR Balance)
Max Output Level:	+21 dBu(XLR Balance)
Power Supply:	DC 12V-15V(3.5A)
Dimension(mm):	448(L)×132(H)×191(D)
Weight:	Approximately 4.2kg

Dante™ upgrade card

Dante-equipped models enable multi-channel audio networking over Ethernet. Standard Ethernet or Dante™ digital networked audio configurations available. Ethernet digital audio of Multi channel, with 24-Bit depth and 48 KHz sample rate. Plug and play networking function,with automatic device discovery function and system configuration. Dante upgrade card available for standard Ethernet models. Dante virtual sound card license included to connect a computer to a Dante network for recording, playback and Internet calling between Dante-equipped devices(download Dante virtual sound card at [audinate.com](http://audinate.com))

# Mi3

## 2.4G DUAL CHANNEL WIRELESS MICROPHONE SYSTEM



MIPASSPORT Mi.3 is a new generation of portable wireless microphone launched by Relacart. It is smaller and lighter than the previous generation. The innovative wearing method and hidden pickup can achieve a better hidden effect. Video shooting can well hide the existence of the microphone. And it's more comfortable to use. MIPASSPORT Mi.3 inherits and optimizes the sound quality of the previous generation, with wider bandwidth, lower noise, and sound details are well displayed. The receiver supports digital and analog output, and the digital output can be replaced with Type C or Lightning adapter, which is well compatible with different mobile phones, cameras, PCs and other devices. The standard charging case of MIPASSPORT Mi.3 extends the battery life to more than 20 hours. The charging case is well compatible with charging and storage, and at the same time, it can be opened and picked up for use and no need frequency paring. It is suitable for scenarios such as interviews, live streaming, video shooting, or business presentations.

### Key Features



#### Multifunctional TFT Display

- The receiver adopts a TFT multi-function display, which can display the current battery status, current RF and AF status, etc.



#### Detachable Adapter

- Mi.3 wireless receiver adopts detachable adapter design, and it is equipped with a camera shoe-mount adapter lightning and Type-C connector. You only need to select the corresponding adapter and equipment to plug and play, no need to connect



#### Hidden Sound Hole Design

- With the hidden sound pickup hole design, most of the subdivisions of the transmitter can be hidden in the clothing to reduce the exposure of the machine to the lens, making every shot of your shooting more concise and clean.



#### 2.4G ISM Global Unlimited Transmission Frequency Band

- Adopt ISM Global Unlimited transmission frequency band for audio transmission, and the transmission distance can up to 50 meters (in open place).



#### Wireless Charging

- The receiver and transmitter support wireless charging, and the standard wireless charging case meets multiple purposes of storage and charging.



#### Long Battery Life

- After fully charged, the battery life of the device can up to 5 hours, and it can be extended to about 25 hours when used with the charging case, which can easily cope with long-time outdoor recording.

### Product Specification



Mi3

Wireless Microphone System

- The charging case can charge the whole kit up to 4 times. It takes only 1.5h to recharge RX and TXs. After fully charged, TX and RX can be used up to 5 hours. If you use two TXs at a time, the whole system can work for 25 hours with the charging case. When taken out of the case, they are automatically paired and will start to charge if needed. Ready to use at anytime, anywhere.

#### Wireless Microphone System

RF Carrier Frequency Range:	2400 MHz ~ 2483.5 MHz
Audio Frequency Response:	80Hz ~ 18KHz±3dB
Dynamic Range:	95dB (Circuit performance)
S/N Ratio:	95dB (Circuit performance)
SPL:	128dB SPL (Built-in MEMS mic)
Pairing Type:	Automatic
Effective Working Distance:	20m (there is block) 50m (in open space)

#### Battery Charging Case Specifications

Charging box charging method:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery capacity:	3000 mAh
Charging case usage time:	At full charge, charge the RX and 2 TX at the same time, providing up to about 4 charges.
Charging time:	TX: about 1.5 hours, RX: about 1.5 hours, Charging case: about 3.5 hours
Dimensions (mm):	130 (L) x 65 (W) x 53 (H)
Weight:	195 g



Mi3

Wireless Receiver



RF Carrier Frequency Range:	2400 MHz ~ 2483.5 MHz
Modulation Type:	Frequency hopping/Digital GFSK
Receiving Sensitivity:	-94dBm
Antenna Method:	Built-in F type antenna
Display Mode:	TFT display, showing battery power, current RF, AF status
Power Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	About 4 hours
Output connector:	3.5mm TRS/interchangeable connector digital output
Output connector:	3.5mm onitor output
Working temperature:	-5°C ~ +50°C
Dimensions (mm):	71.5 (L) x 17.5 (W) x 25 (H)
Weight:	25 g
Headphone Monitor Output:	Yes

- Latest generation ultra-low-noise digital microphone (inside the clip)



Mi3

Wireless Transmitter

RF Carrier Frequency Range:	2400 MHz ~ 2483.5 MHz
Modulation Type:	Frequency hopping/Digital GFSK
Transmit Power:	10dBm
Antenna Method:	Built-in F type antenna
Microphone Pickup Method:	Omnidirectional (built-in MEMS mic)
Display Mode:	LED status indication
Power Requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface
Battery Life:	About 5 hours
Input Connector:	Type-C
Working Temperature:	-5°C ~ +50°C
Dimensions (mm):	21 (L) x 17 (W) x 54 (H)
Weight:	15 g

# Mi2.PRO

2.4G DUAL CHANNEL WIRELESS MICROPHONE SYSTEM



Relacart MIPASSPORT Mi2.PRO is a lightweight, portable, fully functional, easy-to-operate, 2.4GHz dual-channel wireless microphone system with onboard high-quality recording function, providing excellent developed such as DSLRs ,camcorders, smartphones, tablets or computers. It is ideal for interviews, live broadcasts, Vlog shoots or business presentations.

## Key Features



### Widely Compatible

- Widely compatible with digital or SLR cameras, smartphones tablets, mobile devices and more



### Save Recording Audio

- Recording and listening while saving, to ensure flawless audio output.



### Flexible Expansion

- Built-in electret microphone, also supports external alvalier microphone , output volume can be adjusted.



### 2.4g ISM Global Unlimited Frequency Band

- Adopts 2.4G ISM global unlimited frequency band transmission.



### Real-time Monitoring

- Dual channel receiver with USB audio output port and 3.5mm output port, the receiver also has a live monitoring headphone port.



### Convenient Design

- Adopts a high-brightness OLED display ,which clearly shows the working status.
- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.

MIPASSPORT 2.4G ULTRA-COMPACT WIRELESS MICROPHONE SYSTEMS

## Product Specification



### Mi2. PRO

Dual Channel Wireless Microphone System

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Audio Frequency Response:	100Hz ~ 18KHz ± 3dB
Dynamic Range:	95dB (Circuit performance)
S/N:	95dB (Circuit performance)
SPL:	100dB(built-in microphone)
Pairing Type:	Automatic
Effective Working Distance:	20m(there is block) 50m(in open space)
Working Temperature:	-5°C ~ + 50°C



### Mi2. PRO

Wireless Receiver

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Receiving Sensitivity:	-94dBm
Antenna Type:	Built-in F-shaped antenna
Display Mode:	OLED display screen, displaying battery level and current status
Power Supply Requirements:	Built in carp battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Output Interface:	3.5mm TRS
Output Interface:	3.5mm monitoring output
Headphone Monitor Output:	Yes
Working Temperature:	-5°C~+50°C
Dimensions (mm):	50 ×44.5×15
Weight:	35g



### Mi2. PRO

Wireless Transmitter

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Transmission Power:	10dBm
Antenna Mode:	Built-in F type antenna
Recording Function:	Onboard SD NAND
Microphone Pickup Method:	Omnidirectional (built-in Mic and external collar clip)
Built in Storage:	32GB
Recording File Format:	WAV
Display Mode:	OLED display, showing current status
Power Supply Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours (>4 hours when recording is turned on)
Input Interface:	3.5mm TRS
Working Temperature:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g

# Mi1.PRO

## 2.4G SINGLE CHANNEL WIRELESS MICROPHONE SYSTEM



Relacart MIPASSPORT Mi1.PRO is a Lightweight, portable, fully functional, easy-to-operate, 2.4GHz dual-channel wireless microphone system with onboard high-quality recording function, providing excellent developed such as DSLRs, camcorders, smartphones, tablets or computers, It is ideal for interviews, live broadcasts, Vlog shoots or business presentations.

### Product Specification



### Mi1. PRO

Single Channel  
Wireless Microphone  
System

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Audio Frequency Response:	100Hz ~ 18KHz ± 3dB
Dynamic Range:	95dB (Circuit performance)
S/N:	95dB (Circuit performance)
SPL:	100dB(built-in microphone)
Pairing Type:	Automatic
Effective Working Distance:	20m(there is block) 50m(in open space)
Working Temperature:	-5°C ~ + 50°C

### Key Features



#### Widely Compatible

- Widely compatible with digital or SLR cameras, smartphones tablets, mobile devices and more



#### Save Recording Audio

- Recording and listening while saving, to ensure flawless audio output.



#### Flexible expansion

- Built-in electret microphone, also supports external alvalier microphone, output volume can be adjusted.



#### 2.4g ISM Global Unlimited Frequency Band

- Adopts 2.4G ISM global unlimited frequency band transmission.



#### Real-time Monitoring

- Single channel receiver with USB audio output port and 3.5mm output port, the receiver also has a live monitoring headphone port.



#### Convenient Design

- Adopts a high-brightness OLED display, which clearly shows the working status.
- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.



### Mi1. PRO

Wireless Receiver

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Receiving Sensitivity:	-94dBm
Antenna Type:	Built-in F-shaped antenna
Display Mode:	OLED display screen, displaying battery level and current status
Power Supply Requirements:	Built in carp battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Output Interface:	3.5mm TRS
Output Interface:	3.5mm monitoring output
Headphone Monitor Output:	Yes
Working Temperature:	-5°C~+50°C
Dimensions (mm):	50 ×44.5×15
Weight:	35g



### Mi1. PRO

Wireless Transmitter

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Transmission Power:	10dBm
Antenna Mode:	Built-in F type antenna
Recording Function:	Onboard SD NAND
Microphone Pickup Method:	Omnidirectional (built-in Mic and external collar clip)
Built in Storage:	32GB
Recording File Format:	WAV
Display Mode:	OLED display, showing current status
Power Supply Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours (>4 hours when recording is turned on)
Input Interface:	3.5mm TRS
Working Temperature:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g

# Mi2

## 2.4G DUAL CHANNEL WIRELESS MICROPHONE SYSTEM



Relacart MIPASSPORT series is a mini-size, full-featured wireless microphone system, designed and manufactured by Relacart. At the same time, can be single channel, dual channel use. The transmitter built in an electrets microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter. Mipassport uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio. For interviews, micro-video recordings, or business presentations.

### Key Features



#### Widely Compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones



#### Automatic Pair

- The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).



#### Flexible Expansion

- Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted



#### Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission



#### Convenient Design

- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.

### Product Specification



#### Mi2

Dual Channel Wireless Microphone System

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Audio Frequency Response:	80Hz ~ 18KHz ± 3dB
Dynamic Range:	95dB (Circuit performance)
S/N:	95dB (Circuit performance)
SPL:	100dB (built-in microphone)
Pairing Type:	Automatic
Effective Working Distance:	20m (there is block) 50m (in open space)
Working Temperature:	-5°C to + 50°C



#### Mi-R

Wireless Receiver

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Receiving Sensitivity:	-94dBm
Antenna Type:	Built-in F type antenna
Display Mode:	OLED display, showing battery power, current RF, AF status
Power Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Output Interface:	3.5mm TRS
Headphone Monitor Output:	Yes
Operating Temperature Range:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g



#### Mi-T

Wireless Transmitter

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Transmit Power :	10dBm
Antenna Type:	Built-in F type antenna
Microphone Pickup Method:	Omnidirectional (built-in Mic and external lavalier)
Display Mode:	OLED display, showing battery power, current RF, AF status
Power Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Input Interface:	3.5mm TRS
Operating Temperature Range:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g

# Mi1

## 2.4G SINGLE CHANNEL WIRELESS MICROPHONE SYSTEM



Relacart MIPASSPORT series is a mini-size, full-featured wireless microphone system, designed and manufactured by Relacart. At the same time, can be single channel, dual channel use. The transmitter built in an electrets microphone, which can be clip on the collar directly, or it can be connected to the lavalier microphone by an external input interface. It is used as an ultra-small bodypack transmitter. Mipassport uses ISM's global unlimited 2.4G frequency band for transmission. The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions). Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio. For interviews, micro-video recordings, or business presentations.

### Key Features

#### Widely Compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones

#### Automatic Pair

- The receiver and transmitter are automatically paired successfully within 2 seconds after powering on, and the effective use distance reaches 50 meters (open and wide occasions).

#### Flexible Expansion

- Built-in electret microphone, also supports external lavalier microphone, output volume can be adjusted

#### Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission

#### Convenient Design

- The body is small and easy to carry
- Automatic pairing at startup
- Built-in lithium battery, charging with USB 5V
- Both the receiver and the transmitter use an OLED display to display the current product information. The output volume is adjustable. The 3.5mm TRS output is used to connect to digital / SLR cameras, camcorders, recorders, tablets, mobile phones and other devices to assist in picking up high fidelity Audio for interviews, micro-video recordings, or business presentations.

### Product Specification



#### Mi1

Single Channel Wireless Microphone System

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Audio Frequency Response:	80Hz ~ 18KHz ± 3dB
Dynamic Range:	95dB (Circuit performance)
S/N:	95dB (Circuit performance)
SPL:	100dB (built-in microphone)
Pairing Type:	Automatic
Effective Working Distance:	20m (there is block) 50m (in open space)
Working Temperature:	-5°C to + 50°C



#### Mi-R

Wireless Receiver

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Receiving Sensitivity:	-94dBm
Antenna Type:	Built-in F type antenna
Display Mode:	OLED display, showing battery power, current RF, AF status
Power Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Output Interface:	3.5mm TRS
Headphone Monitor Output:	Yes
Operating Temperature Range:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g



#### Mi-T

Wireless Transmitter

RF Carrier Frequency Range:	2400MHz ~ 2483.5MHz
Modulation Type:	Frequency hopping/Digital GFSK
Transmit Power :	10dBm
Antenna Type:	Built-in F type antenna
Microphone Pickup Method:	Omnidirectional (built-in Mic and external lavalier)
Display Mode:	OLED display, showing battery power, current RF, AF status
Power Requirements:	Built-in lithium battery, standard USB 5V charging via Type-C interface
Battery Life:	≥8 hours
Input Interface:	3.5mm TRS
Operating Temperature Range:	-5°C ~ +50°C
Dimensions (mm):	50 × 44.5 × 15
Weight:	35g

# MC2 | 2.4G DUAL-CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

2.4G ULTRA-COMPACT WIRELESS MICROPHONE SYSTEMS



MC2 adopts 2.4GHz ISM global unlimited frequency band transmission to ensure high-quality audio output. It is suitable for video shooting, live streaming, recording, etc. Whether you are a professional filmmaker or amateur, MC2 will be your effective assistant, helping you easily access high-quality audio content.

## Product Specification

### MC2-R Wireless Receiver



RF Carrier Frequency Range:	2400MHz~2483.5MHz
Modulation Type:	Frequency hopping/Digital FSK
Receiving Sensitivity:	-86dBm
Antenna Type:	Built-in PCB antenna
Display Mode:	OLED display
Power Supply Requirements:	Built in lithium battery, standard USB 5V charging via TYPE-C interface.
Battery Life:	≥ 6 hours
Output Interface:	3.5mm TRS, Type-C Digital output
Working Temperature:	-5°C~+50°C
Max. Charging Current:	270mA/H
Charging Time:	≤ 2 hours
Dimensions ( mm ):	67 x 32 x 13.5
Weight:	26.8g

## Key Features



### Super Wide Frequency Range

- Adopt 2.4G ISM global unlimited frequency band transmission



### Widely Compatible

- Widely compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones.
- USB-C/Lightning Connection for Mobile, Cameras and PC



### DSP digital audio companding

- 48KHz audio sampling rate to minimize noise in the system wireless connection and providing high-fidelity audio output



### Anti-Noise

- The product comes with a special microphone windproof furry to ensure clear sound pickup in outdoor or noisy environments



### External Microphone Expansion

- In addition to the built-in microphone, the external microphone and line input function can also be used, and the receiver and transmitter can independently adjust the volume audio output



### Magnetic Rubber Clip

- The innovative design of magnetic suction and soft glue, including a hot shoe magnet specially designed for the camera, makes the product easy to use, close to the collar during interviews or close to objects with iron, nickel and other metals, such as mobile phones, computers, etc., the novel design of magnetic rubber improves the flexibility of users in product application

### MC2-T Wireless Transmitter



RF Carrier Frequency Range:	2400MHz~2483.5MHz
Modulation Type:	Frequency hopping/Digital FSK
Transmission Power:	10dBm
Antenna Type :	Built-in PCB antenna
Microphone Pickup Type:	Omnidirectional (built-in microphone)
Display:	OLED display
Power Supply Requirements:	Built-in lithium battery, standard USB 5V charging via TYPE-C interface.
Battery Life:	≥ 6 hours
Input Interface:	3.5mm TRS
Working Temperature:	-5°C ~ +50°C
Max. Charging current:	270mA/H
Charging time:	≤ 2 hours
Dimensions ( mm ):	67 x 32 x 13.5
Weight:	27.4g

# MC1 | UHF SINGLE-CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM



Relacart MC1 Single channel MINI Wireless Microphone System adopts UHF high-fidelity audio transmission technology, which can maintain stable connection and ensure high-quality audio output even in complex indoor environments and WiFi interference. minimum the noise. DSP digital audio companding processing minimizes the noise of wireless microphones. The back clip adopts an innovative design of magnetic silicone to improve the convenience of users, and is equipped with a magnet designed for the camera so that the MC1 can be easily attached to the cold shoe.

The transmitter not only has a built-in microphone but also supports an external microphone or LINE audio input, and the receiver supports line output and USB digital output, which can be connected to DV, cameras, mobile phones and computers for audio recording. It is suitable for video recording, live streaming, shooting, recording and other scenarios.

## Key Features

### UHF UHF Audio Transmission Technology

- Works in the UHF frequency band, avoiding WiFi with serious interference, ensuring the stability of the wireless connection and providing high-fidelity audio output

### DSP DSP digital audio companding

- 48KHz audio sampling rate to minimize noise in the system wireless connection and providing high-fidelity audio output

### External Microphone Expansion

- In addition to the built-in microphone, the external microphone and line input function can also be used, and the receiver and transmitter can independently adjust the volume audio output

### Multi-Channel Switching

- Both transmitter and receiver support one-key channel switching and display in the LED digital display

### Magnetic Rubber Clip

- The innovative design of magnetic suction and soft glue, including a hot shoe magnet specially designed for the camera, makes the product easy to use, close to the collar during interviews or close to objects with iron, nickel and other metals, such as mobile phones, computers, etc., the novel design of magnetic rubber improves the flexibility of users in product application

### Lightweight And Convenient

- The net weight of the MC-1 transmitter and receiver is 31.5g each. Compact design, easy to carry

### Anti-Noise

- The product comes with a special microphone windproof furry to ensure clear sound pickup in outdoor or noisy environments

## UHF SINGLE-CHANNEL CAMERA MOUNT WIRELESS MICROPHONE SYSTEM

## Product Specification



MC1-R  
Wireless Receiver

RF Carrier Frequency Range:	470MHz-960MHz
Receiving Mode:	Superheterodyne
Image Suppression:	45dBm
RF Sensitivity:	When input 10dBu, S/N ≥ 45dB
SQ Adjustment:	Built-in setting parameters
Frequency Sync Mode:	Manual key setting
Maximum Output level:	25 mV (level adjustment setting maximum)
Output Level Adjustment:	3-level adjustable, attenuated adjustment, every 10dB step
Digital Audio Output:	Support Type-C, USB audio
Power Supply Mode:	Built-in 3.7 V 435 mA lithium battery
Normal Working Current:	100mA
Max. Charging Current:	600mA
Battery Life:	≥4 hours when the battery is fully charged
Dimensions(mm):	67(H)× 32(W)× 13.5(D)
Net weight:	31.5g



MC1-T  
Wireless Transmitter

RF Carrier Frequency Range:	470MHz-960MHz
Oscillation Mode:	PLL frequency synthesis
Transmission Power:	13.5dBm
Carrier Error:	0.005%
Harmonic Radiation:	-32dBm
Modulation Type:	FSK
Nominal/Peak Deviation:	± 65KHz
Maximum Input Level:	25 mV (level adjustment setting maximum)
Frequency Setting:	Manual button to set frequency point
Power Supply Mode:	Built-in 3.7 V 435 mA lithium battery
Normal working Current:	100mA
Max. Charging Current:	600mA
Battery Life:	≥ 4 hours when the battery is fully charged
Dimensions(mm):	67(H)× 32(W)× 13.5(D)
Net weight:	31.5g

## Product Specification

## CR-2R

Wireless Bodypack  
Receiver

RF Carrier Frequency Range:	470~960MHz
Receiving Mode:	Superheterodyne
Image Rejection:	45dBm
RF Sensitivity:	When input 10dBu, S / N ≥45dB
Squelch Adjustment:	Built-in setting parameters
Frequency Synchronization:	Manual key setting or infrared transmission
Maximum Output Level:	LINE : 0.5Vpp Phone : 1Vpp
Adjustment Range of Audio Output Level:	9 levels adjustable, attenuation adjustment, every 2dB step
Output Impedance	400Ω
Headphone Monitor Output:	Yes
Power Requirements:	AA 1.5V x 2
Current Consumption:	3V 160mA
Battery Life:	≤7 hours
Overall Dimensions (mm):	95×65×23
Net Weight:	110g(without battery)

## CB-2

Wireless Bodypack  
Transmitter

RF Carrier Frequency Range:	470~960MHz
Oscillation:	PLL synthesized
RF Output Power:	13.5dBm
Carrier Deviation:	0.005%
Harmonic Radiation: :	-32dBm
Modulation:	FSK
Nominal/ Peak deviation:	± 65KHz
Max. Input Level:	250mV
Impedance:	2.2KΩ
Gain Adjustment Range:	4 levels of adjustable settings, every 3dB step
Frequency Set-Up:	Manual key setting or infrared transmission
Power Requirements:	AA 1.5V x 2
Current Consumption:	Battery powered:130mA
Battery Life:	≥ 11 hours
Overall Dimensions (mm):	(H)95×(W)65×(D)23
Net Weight:	100g(without battery)

## CP-2

Wireless Plug-on  
Transmitter

RF Carrier Frequency Range:	470~960MHz
Oscillation:	PLL synthesized
RF Output Power:	13.5dBm
Carrier Deviation :	0.005%
Harmonic Radiation: :	-32dBm
Modulation:	FSK
Nominal/ Peak deviation:	± 65KHz
Max. Input Level:	250mV
Impedance:	2.2KΩ
Gain Adjustment Range:	4 levels of adjustable settings, every 3dB step
Frequency Set-Up :	Manual key setting or infrared transmission
Power Requirements:	AA 1.5V x 2
Current Consumption:	Battery powered:130mA
Battery Life:	≥ 11 hours
Overall Dimensions (mm):	(H)110×(W)42×(D)42
Net Weight:	125g(without battery)

## Key Features



## High Fidelity

- UHF dual channels wireless transmission, providing high-fidelity audio source



## Real-time Monitoring

- Output volume and monitor headphone volume can be adjusted independently
- The transmitter supports Mic and Line interfaces, volume adjustment, RF output power adjustment and so on. The receiver supports headphone and output volume adjustment, with AFS function. Working range is about 60 meters.



## IR Infrared

- The infrared is automatically SYNC and locked to the selected application frequency.



## Anti-Interference

- Multiple switchable frequency or use AFS function to achieve operation without environmental interference
- The transmit power is adjustable



## Widely Compatible

- Widely compatible with smart phones, digital SLR cameras, camcorders, voice recorders, and personal computers;



## DSP Digital Audio Companding

- DSP digital audio companding, using 48KHz audio sampling rate, to minimize noise in the wireless transmission system



## Convenient Design

- Use OLED display to display corresponding product information, brightness can be adjusted, and support Chinese and English language selection
- The receiver and transmitter are powered by two AA batteries

PM-100D

STEREO WIRELESS  
IN-EAR MONITOR SYSTEM



PM-100D is a stereo wireless in-ear monitor system. The PM-100D receiver is made of plastic and weighs only about 55 grams (without battery). It is one of the lightest transmitter pockets on the market. The receiver adopts bright OLED display. At the same time, it has built-in 1-99 frequency group channels for selection, and can select the cleanest channel in a complex environment. Digital transmission technology can convert the input sound into a digital signal and send it to the receiver. During the digital communication transmission process, it can protect the integrity of the audio and prevent the accumulation of noise, so it is very suitable for: live streaming and small bands.

Key Features

UHF

UHF Transmission Frequency Band

- Using the UHF frequency band, multiple systems can be used at the same time, the transmission is more stable and zero latency.

Easy to Carry

- The PM-100DR receiver's housing is made of a strong and lightweight material, weighing only 55 grams.

Widely Applicable

- Long transmission distance, suitable for various occasions.

Practical Functions

- 1U Half-Rack chassis made of metal
- The transmitter and receiver have a simple and bright multi-function display, which can make it easy for users to operate various settings.

Two output modes

- Stereo and mono output modes can be selected

Multiple audio outputs

- The receiver not only has a headphone output, it also has a line output, which you can connect to an active speaker to create a wireless audio transmission system.

Product Specification



PM-100DR  
Stereo Mini Receiver

Receiving Method:	Antenna reception
Carrier Frequency Range:	521.25MHz-936.85MHz
Modulation Method:	Integrated mode
Comprehensive T.H.D:	<0.9%@1KHz
Stereo Separation:	≥65dB at 1KHz
Comprehensive Frequency Response:	20Hz-20KHz ±3dB
Batteries:	AA x 2
Current Consumption:	140mA (Typical)
Battery Life:	≤8 hours
Effective Working Distance:	80 meters (open place)
Output Socket:	Φ3.5mm stereo headphone socket
Output Power:	2×40mW at 1KHz (T.H.D: 0.03%)
Dimensions (mm):	198 (H) × 52.5 (W) × 25 (D)
Weight:	Approximately 55g (without battery)



PM-100DT  
Stereo Transmitter

Chassis Specification:	1U Half-Rack
Carrier Frequency Range:	521.25MHz-936.85MHz
Modulation Method:	Integrated mode
Comprehensive T.H.D:	<0.9%@1KHz
Frequency Bandwidth:	32MHz (depending on the region)
Comprehensive Frequency Response:	20Hz-20KHz ±3dB
Output Power:	60mW
Current Consumption:	160mA
Power Supply Mode:	DC 12V
Audio Output:	Φ6.3mm balanced socket × 2
Audio Input:	XLR and Φ6.3mm composite socket
Dimensions (mm):	205(W)×43(H)×206(D)
Weight:	Approximately 1kg

# PM3 | CARDIOID DYNAMIC PODCASTING MICROPHONE

The PM3 is a professional dynamic podcasting microphone with XLR analog audio output. Built-in preamplifier, driven by +48V phantom power. Its wide frequency produces a warm, crystalline sound that makes it stand out! The microphone can be mounted to a wide variety of mic stands for flexible placement, making the PM3 the best choice for professional recording studios, podcasts, live broadcasts, and more. The PM3 can be connected to the Relacart Podcast+ digital podcast production console via XLR, giving the option to transmit the audio to mobile devices, computers and other devices.

## Key Features

### Anti-Interference

- Voice-Isolation technology delivers smooth and excellent detail sound while rejecting unwanted background noise and hum, for perfect recordings in imperfect rooms

### Dynamic Microphone

- Compared with the traditional condenser microphone, the PM1 dynamic microphone has a richer, fuller sound quality, and has obvious anti-noise ability, and it does not require Phantom Power.

### XLR Output

- Features a high-quality XLR output easily integrates with your audio interface or external mixer. XLR cable is not included
- Built-in preamplifier, driven by +48V phantom power.

### Cardioid Pick-Up Pattern

- Cardioid polar pattern, provide excellent off-axis rejection, isolate unwanted ambient noise and eliminate echo, keeps your voice front and center when recording



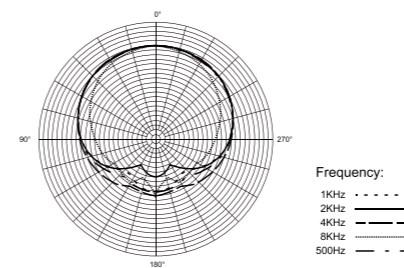
## Product Specification



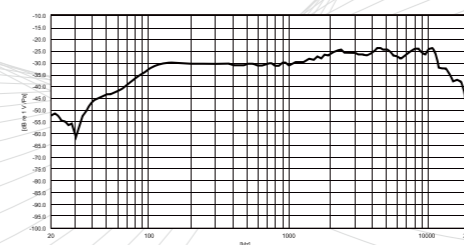
Microphone Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	80Hz-12KHz
Output Impedance:	30 $\Omega$ $\pm$ 30% ( at 1 KHz )
Sensitivity:	-30dB $\pm$ 3dB ( 1V / Pa )
Power Requirements:	48V DC phantom power supply (IEC-61938) 4.5 mA(MAX)
Output Connector:	Built-in XLRM-3 pin XLR male
Dimensions (mm):	70 (Φ) × 180 (L)
Colour :	Black/White (optional)
Weight (g):	665

## PM3 Cardioid Dynamic Podcasting Microphone

### Polar Pattern



### Frequency Response



# PM2 | CARDIOID DYNAMIC PODCASTING MICROPHONE



Pm2 dynamic podcasting microphone is a professional-grade microphone, which adopts the electromagnetic vibration induction technology to produce sound, makes the sound more real and natural, it's perfect for recording. The mission of PM2 is to bring musician's microphones out of the recording studio and better serve people's entertainment life! The PM2 noise-cancelling microphone has USB and XLR interfaces, and can be connected to computers, mobile phones and other terminals through USB data cables. At the same time, it is also a professional equipment for recording studios, which can be connected to a mixer through the XLR output interface to achieve a more precise tuning effects. PM2 adopts a double-antipop design, which can effectively reduce the noise of the environment and popping, and make your voice more pure and clear.

## Product Specification



Microphone Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	80Hz-14KHz
Output Impedance:	600 $\Omega$ $\pm$ 30% ( at 1 KHz )
Audio Sampling Rate:	24 bit / 48 Khz
Adjustable Gain Range:	0 ~+35 dB
Sensitivity:	-58 dB $\pm$ 3dB ( 1V / Pa )
Max. SPL Digital Output:	132 dB SPL
Headphone Output:	3.5 mm
Output Connector:	Built-in XLRM-3 pin XLR male and USB output
Mute Switch Attenuation:	Yes
Limiter:	Yes
Power Requirements:	Powered through Type-C USB connector
Dimensions (mm):	70 (Φ)×180 (L)
Weight (g):	695
Colour :	Black/White (optional)

## PM2 Cardioid Dynamic Podcasting Microphone

## Key Features

### Anti-interference

- PM2 cleverly uses PM2's metal bracket, and Relacart MI.AUDIO's application to achieve noise reduction and sound insulation on both the microphone itself and the program, so that your wonderful sound will not be interfered by the outside world to achieve triple protection!

### Dynamic Microphone

- Compared with the traditional condenser microphone, the PM2 dynamic microphone has a richer, fuller sound quality, and has obvious anti-noise ability, and it does not require DC operating voltage or power supply.

### Standalone Application

- With Relacart MI.AUDIO application,when connect the PM2 to mobile phone or computer via USB,it can be automatically recognized by the application. With the built-in DSP processor, you can adjust microphone gain, microphone mute, equalization, monitor mixing, limiter and other functions. You can also connect PM2 to professional audio equipment via XLR.

### Convenient Operation Reat-time Headphone Monitoring

- PM2 has a built-in touch panel, which is convenient for adjusting the microphone volume directly. You can adjust the microphone gain, earphone volume, monitor mixing, mute the microphone, lock the touch screen, etc.
- The microphone volume can be monitored in real time through the 3.5mm headphone jack to ensure perfect audio output.

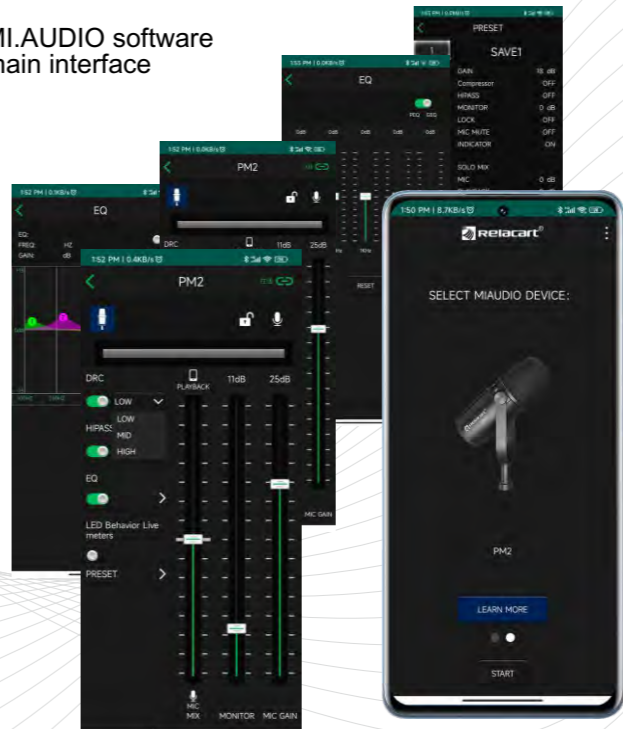
### Wide Compatibility

- PM2 can be connected via USB, including mobile phones (Android) and computers (Windows), as well as audio equipment such as mixers via XLR.

### Avariety of Sound Effects

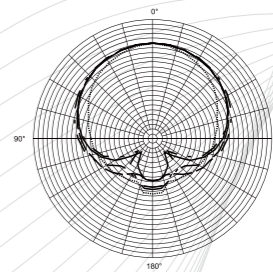
- Users can set a variety of different sound effects on the Relacart Miaudio application, even a novice who does not understand tuning can easily use it, which makes PM2 broadcast a larger variety of wonderful sounds.

## MI.AUDIO software main interface



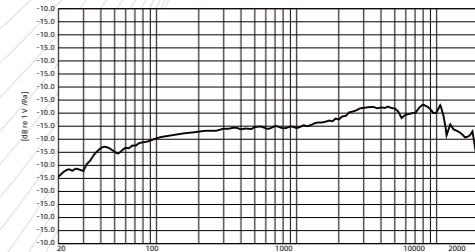
MI-AUDIO APP

## Polar Pattern



Frequency:  
1KHz  
2KHz  
4KHz  
8KHz  
500Hz

## Frequency Response



# PM1 | CARDIOID DYNAMIC PODCASTING MICROPHONE



Relacart PM1 is a plug-and-play, easy-to-use broadcast-grade dynamic podcasting microphone that delivers rich, soft sound quality for excellent performance in podcasting, live streaming, and other voice or vocal applications. The PM1 features a rugged, all-metal construction with a sophisticated look and traditional XLR analog audio output, a wide frequency response, and a windscreen for close range vocal and instrumental recordings that are perfect for the fan-favorite convenience design. The widely-used microphone features an adjustable yoke that can be mounted on a variety of mic stands for flexible placement and will take your recordings to a whole new level.

PM1 CARDIOID DYNAMIC  
PODCASTING MICROPHONE

## Product Specification



Microphone Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	80Hz-14KHz
Output Impedance:	600 $\Omega$ $\pm$ 30% ( at 1 KHz )
Sensitivity:	-58 dB $\pm$ 3dB ( 1V / Pa )
Output Connector:	Built-in XLRM-3 pin XLR male
Dimensions (mm):	70 (Φ) x 180 (L)
Colour:	Black/White (optional)
Weight (g):	665

PM1

Cardioid Dynamic  
Podcasting Microphone

## Key Features



### Anti-Interference

- Voice-Isolation technology delivers smooth and excellent detail sound while rejecting unwanted background noise and hum, for perfect recordings in imperfect rooms



### Dynamic Microphone

- Compared with the traditional condenser microphone, the PM1 dynamic microphone has a richer, fuller sound quality, and has obvious anti-noise ability, and it does not require Phantom Power.



### XLR Output

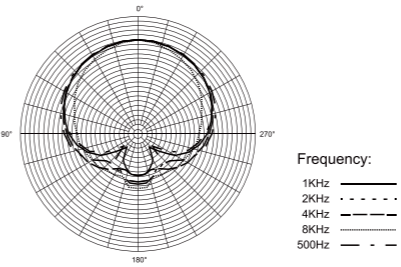
- Features a high-quality XLR output easily integrates with your audio interface or external mixer. XLR cable is not included



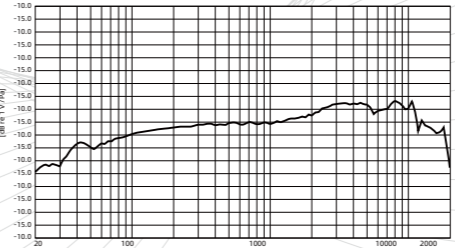
### Cardioid Pick-Up Pattern

- Cardioid polar pattern, provide excellent off-axis rejection, isolate unwanted ambient noise and eliminate echo, keeps your voice front and center when recording

## Polar Pattern



## Frequency Response



# SM2 | SHOTGUN CONDENSER MICROPHONE



Sm2 is a shotgun condenser microphone specially designed for photography, interviews and recording. Adopts sound pickup interference principle and long sound collecting pipe design. It can provide high sensitivity and super-cardioid directional characteristics, resist radio frequency interference effectively and pickup more clear vocal sound. SM-2 built-in a 100Hz high-pass filter, which can prevent low-frequency noise effectively such as air conditioning and other environmental noises from being recorded. It can be powered by AA (1.5V) batteries or 48V phantom power for professional audio recorders, cameras and power supplies. Equipped with an anti-vibration frame, which can reduce the hard noise caused by the vibration of the equipment during photography and interview recording, and the attached windshield can minimize the slight wind and popping noise during the recording process.

## Key Features



### Super Cardioid

- Super-cardioid directional, providing high-quality recording effects.



### High-pass Filter

- 100Hz high-pass filter selection.



### Ultra-low Noise

- The circuit has low noise and clean recording.



### Lightweight All-metal

- Metal structure, strong and durable.



### XLR Output

- XRL 3-pin socket input and output.



### 48V

- 48V phantom power or AA (1.5V) battery power supply.



SHOTGUN CONDENSER MICROPHONE

## Product Specification

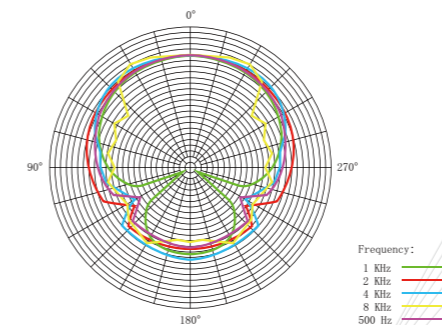


SM2

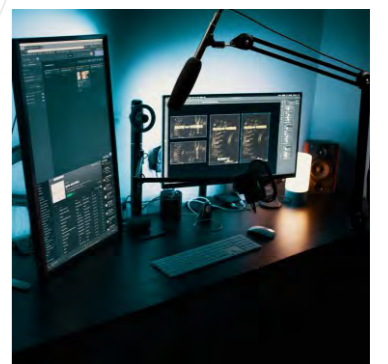
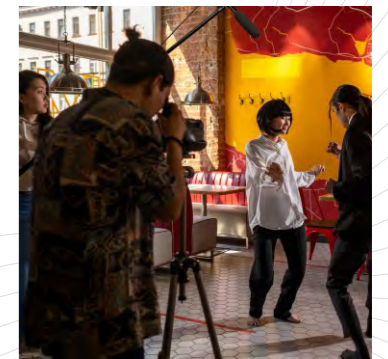
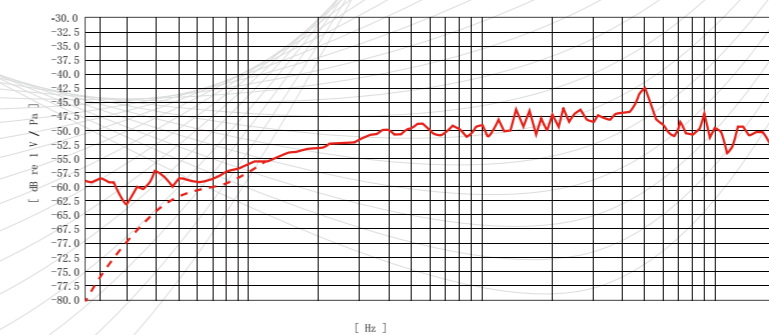
Shotgun Condenser Microphone

Microphone Type:	Condenser microphone
Polar Pattern:	Super cardioid
Frequency Response:	50Hz-20KHz
Output Impedance:	350 $\Omega$
SPL:	130 dB SPL, 1KHz@1%THD
S/N:	105dB (A weighted), 1KHz@1%THD
Dynamic Range:	>70dB
Sensitivity:	-45 dB@1V at 1Pa
Switch:	Through/High Pass Filter
Length(mm):	280
Weight (g):	110

## Polar Pattern



## Frequency Response




# MU1 | SHOTGUN CONDENSER MICROPHONE




A Unidirectional microphone that provides high-quality audio pickup for photography, interviews, recordings, and live broadcasts. It uses a high-sensitivity electret capsule combined with a gun-type tube made of all-aluminum to effectively resist RF interference signals. Achieves cardioids sound pick-up, disperse the environmental noise of photography or recording, capture the required sound perfectly and clearly. Equipped with anti-vibration frame to reduce hard noise caused by equipment vibration during photography and interviews; matched with fur windshield can suppress outdoor wind noise; 3.5mm TRS to TRRS interface, compatible with SLR cameras, mobile cameras, smartphones, computers and other recording equipment.


## Key Features

- 


### Unidirectional Microphone

  - Unidirectional microphone, effectively attenuates ambient noise.
- 

### Rubber Anti-Vibration

  - The rubber anti vibration design filters the mechanical vibration noise generated during recording.
- 

### Compatibility

  - 3.5mm TRS to TRRS interface, compatible with SLR camera, mobile camera, smart phone,
- 

### Made of Metal

  - The metal material is firm and durable.

# MU SHOTGUN CONDENSER MICROPHONE

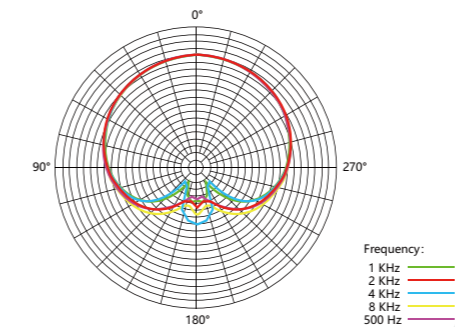
## Product Specification



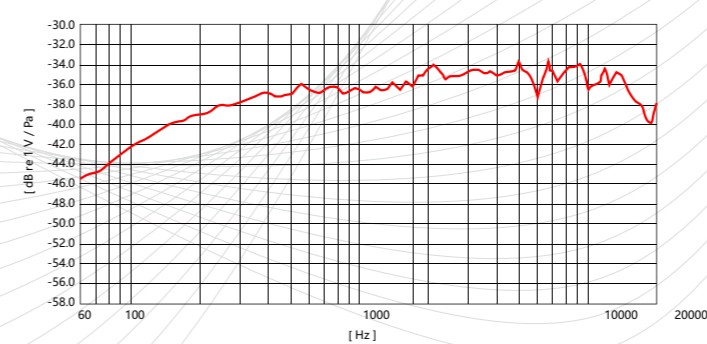
Microphone Type:	Condenser microphone
Polar Pattern:	Unidirectional
Frequency Response:	100Hz-18000KHz+/- 3dB
Output:	3.5mm TRS
SPL:	110 dB
S/N:	>58dB
Sensitivity:	-40 dB± 2dB
Operating Voltage Range:	1V ~ 10V
Max.Operation Voltage:	10V
Dimension(mm):	21.5 (Φ) x72(L)
Weight (g):	35

# MU1 Shotgun Condenser Microphone

## Polar Pattern



## Frequency Response





Podcast+ is a podcast production studio specially designed for live streaming app, which collects the live application functions such as mixing, sound effects, and effects.  
Can connect 2 mobile phones or PC at the same time to transmit to live broadcast equipment through digital audio. Its design is light and easy to carry, the panel layout is simple, and the function distinction is clear and easy to understand.  
This device is powered by a USB-C interface 5V/1A and supports power from a suitable mobile phone charger or power bank.  
Podcast+ is suitable for live broadcast, recording, Karaoke and other functions of mobile phones, tablets and PC, etc.

Product Specification



Sample Rates:	24 - bit, 48 KHz
Frequency Response:	20Hz to 20 KHz
System Delay:	1.5ms
T.H.D:	< 0.05%
Input Crosstalk:	> 65dB @ 1KHz ( Adjacent Channels )
S/N Ratio:	90dB single channel - fader max ( A-weighted )
Dynamic Range:	90dB single channel - fader max ( A-weighted )
Common Mode Rejection Ratio:	> 60dB @ 1 KHz
MIC Impedance:	3kΩ ( XLR Balance ); 6.6kΩ ( 1/4 )
MIC Gain:	0 to 45 dB ( XLR )
Power Supply:	DC 5V ( 1A )
Dimensions(mm):	260 ( L ) × 230 ( H ) × 89 ( D )
Weight:	1.5kg

Podcast+<sup>+</sup>  
Podcast Production Studio

Key Features

3 High-Quality Inputs

High-pass Filter

2 Headphone Outputs

48V 48V Phantom Power Supply

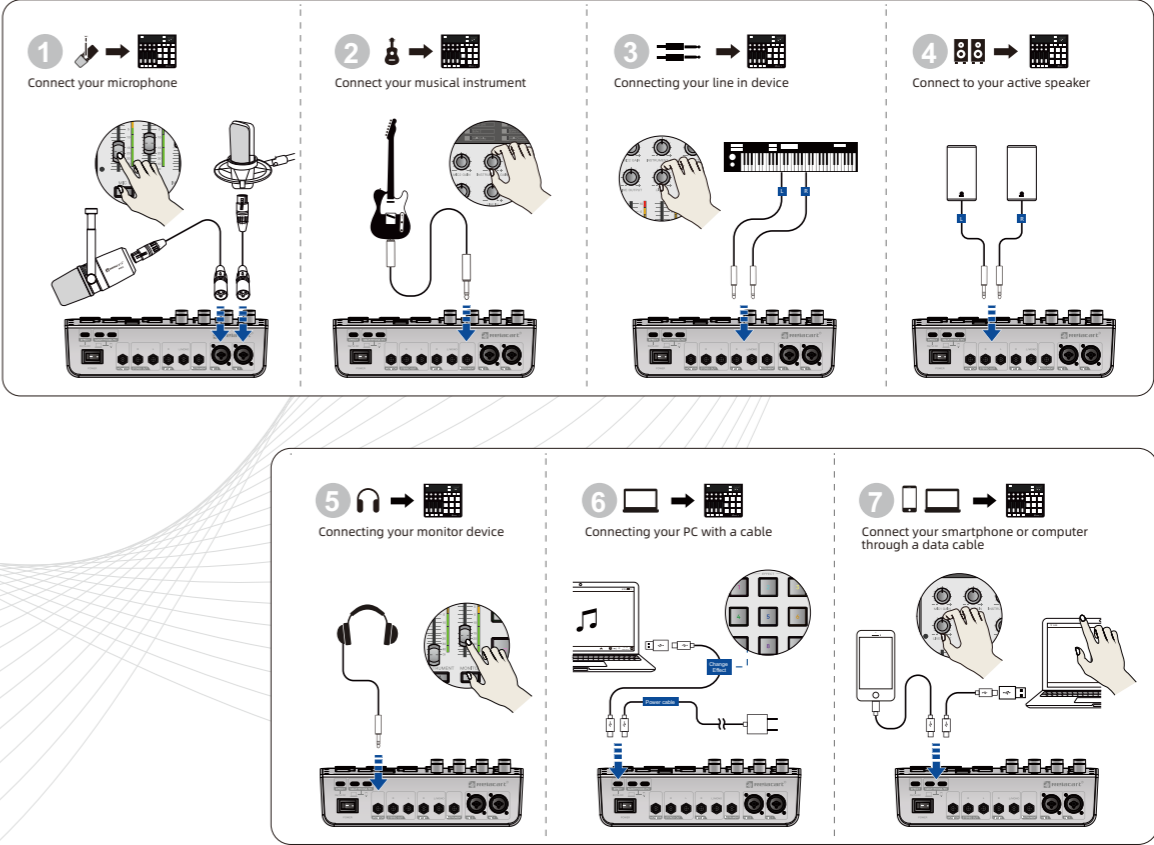
Intelligent Noise Reduction

2 Digital Audio Inputs/Outputs

16 Effects

9 Programmable Jingle Pads

MIC.Prior/Duking



# MIXX8.6

LIVE STREAMING LOOPBACK  
AUDIO USB MIXER



Compatible with  
Relacart  
Mi.Audio app

MIXX8.6 digital mixer designed with 8 inputs and 6 outputs. Built-in digital audio processing functions, such as effect, EQ , compressor, etc. And it is equipped with a USB interface, which can transmit audio by mobile phones and computers. It has 16 types of digital reverb effects, which can be easily adjusted for various occasions with the encoder. It has a simple and exquisite appearance, with reasonable layout of function buttons, suitable for various small-scale performances, conferences, speeches, KTV, live streaming, and other occasions.

## Product Specification



Sample Rate:	24bit,48kHz
Frequency Respond:	20 Hz to 20 kHz +0/-1 dB
T.H.D. :	<0.1%
Signal to Noise Ratio:	90 dB Single channel max fader ( A weighted )
Dynamic Range:	100dB Single channel max fader ( A weighted )
Common Mode Rejection Ratio :	>70 dB @1 kHz
MIC Input Impedance:	3.3k $\Omega$ (XLR Balance); 1.8 k $\Omega$ ( 1/4" )
LINE Input Impedance:	10K $\Omega$ (1/4" )
Output Impedance:	150 $\Omega$
Gain:	0 to 60 dB (XLR)
FOOT SW :	REVERB ON/OFF
Phantom Power Supply:	+48V
USB Audio:	2IN/2OUT compliant with USB audio class 2.0
Power Supply:	DC 5V (1A)
Power Consumption:	Up to 5W
Dimensions(mm):	260(L)*230(H)*89(D)

# MIXX8.6

8-Channel Digital Mixer

## Key Features

### Multifunction Panel

- The mixer panel can turn on and off various functions, including EQ, mute, compressor, reverb, 48V phantom power, etc.

### Eight Channel Input

- 1-4 input channels can select MIC or LINE input source. 3 and 4 input channels can be

### 48V Four input channel, with 48V phantom power supply

- 1-4 channels can provide +48V phantom power supply, which is controlled by panel button switches.

### Multiple Audio Modes

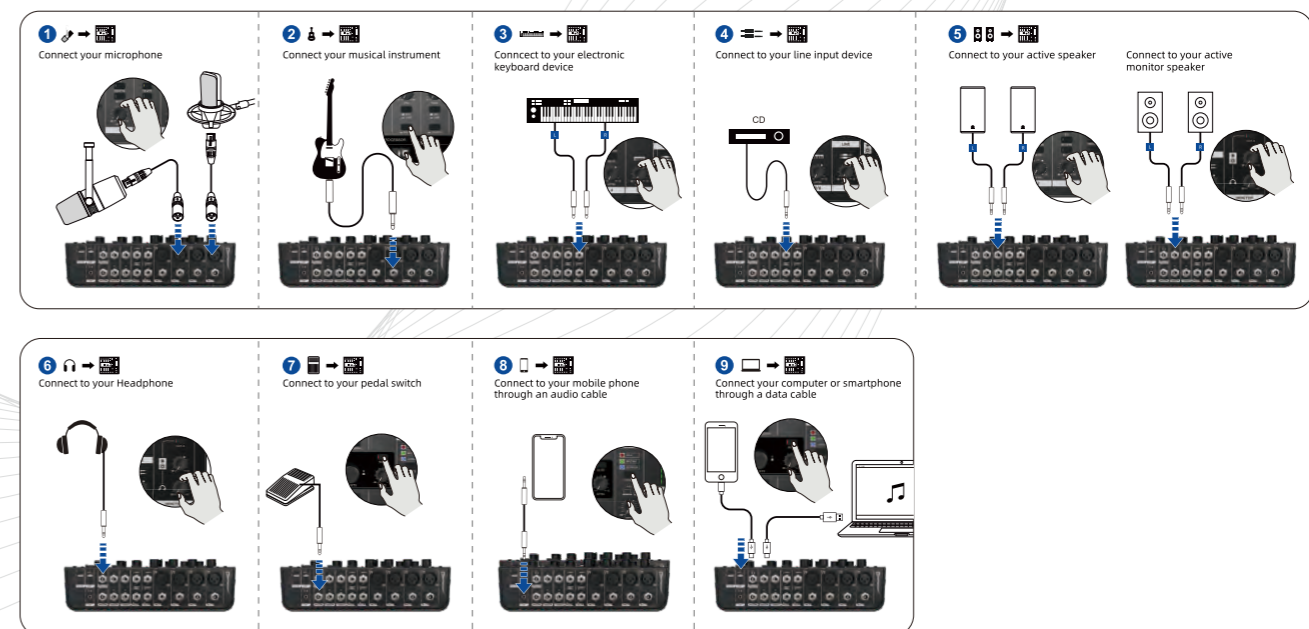
- USB output can be set in multiple audio modes to suitable for various applications.

### Professional Reverberation

- Professional reverb function, which can simulate various sound effects.

### Real-time Monitor










- MIX MINUS will exclude the audio of input channels 1-4 from local playback and monitoring.





Relacart Mikit series is a portable stereo digital audio converter. It can be connected to a mobile device through the USB-C interface. Use with MI.AUDIO application software. Built-in DSP processor, you can set the input gain, monitor volume, high-pass filter, limiter, equalizer, mono/stereo switch, preset and other functions. It is widely used in recording, video recording, online communication, etc. Compatible with iOS (Only for Mikit-i version), Android, Windows, Mac (Only for Mikit-i version), plug and play.

Key Features

- **3.5mm Dual Microphone Input**
- **Mono/Stereo Mode Switch**
- **3.5mm Monitor Outputs**
- **Lightweight**
- **APP application**  
• Pairs with relacart MI.AUDIO App.
- **Widely Compatible**
- **Smart Chip**
- **Customizable Sound Quality**
- **Dual 3.5mm TRS Connection**

Product Specification



Model:	Mikit-c (USB-C) Mikit-a (USB-C) ( not yet available) Mikit-i (USB-C) ( not yet available)
Gain Adjustment Range:	0 ~ +35dB
Frequency Response:	20Hz ~ 20KHz
Sampling Rate	48K
Equalizer:	5-band graphic equalization / 5-band parametric equalization, switching applications
High Pass Filter:	75Hz / 150Hz
Limiter:	High / Medium / Low three-level adjustment
Case:	All metal structure, light and small, easy to carry
Dimensions(mm):	Mikit-c: 47(H)×47(W)×13(D) Mikit-a: 210(H)×47(W)×13(D) Mikit-i: 210(H)×47(W)×13(D)
Weight:	Mikit-c: 30g Mikit-a: 40g Mikit-i: 40g

Mikit.c/Mikit.a/Mikit.i

Mobile Interview Kit



LM-P01 | LAVALIER MICROPHONE



Relacart LM-P01 is a very light and convenient omnidirectional lavalier microphone with a pure copper gold-plated straight head and a fixing ring. It can provide broadcast-quality recording with close-range pickup, suitable for application in noisy environments. It can be directly connected to various wireless systems or SLR cameras and other equipment.

Key Features

Powerful Functions

- has the characteristics of pure, clear audio and noise-reducing. The user-friendly omnidirectional pickup mode and the smallest appearance make it an important tool for vlog, podcast, interview, drama, speech and any other that requires high-quality recording but not revealing the microphone. The omnidirectional pickup pattern and lavalier effectively reduce background noise and improve the recording quality of mobile devices. The included high-density spray-proof foam windshield ensures that high-quality recordings can be obtained in harsh environments.
- 1.2m and 6m length options, can be used in various scenes.

Clear Sound Quality

Omnidirectional

Ultra-low Noise



Product Specification



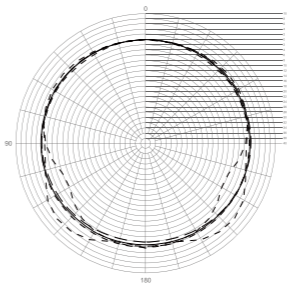
LM-P01  
Lavalier Microphone

S/N:	>65dB
Frequency Response:	50Hz-20KHz
Impedance:	2.2KΩ
Capsule Dimension(mm):	Ø7.5×18
Sensitivity:	-39dB±2dB (0dB=1Pa)
Polar Pattern:	Omnidirectional
Microphone Connector:	Gold-plated straight head, 3.5mm TRS interface with nut
Diameter Of Cable(mm):	Ø2
Length:	1.2m / 6m

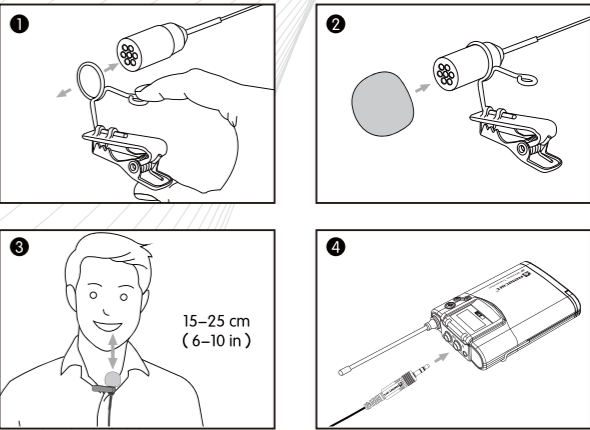
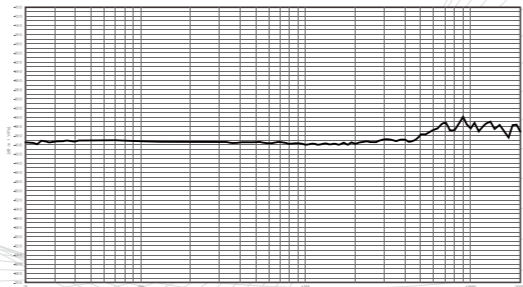
Polar Pattern

Frequency:

- 1000Hz
- 2000Hz
- - - 4000Hz
- · - · 8000Hz
- · · · · 500Hz



Frequency Response



1. To fit your LM-P01 onto clothing and connect to your wireless system or recording device, mount the LM-P01 into the provided lapel clip. Hold the clip between two fingers, with one finger pressing down on the end of the wire loop. This will create enough leeway to insert your LM-P01 through the wire.
2. Install the supplied snug-fit windscreen by sliding it over the microphone capsule. (Note: Do not pull the windscreen too tightly over the microphone. Leave a small space inside the windscreen to allow for air movement.)
3. Attach the microphone to a shirt or other garment using the supplied tie clip. For best results, the microphone should be 15-25 cm (6-10 in.) away from the mouth.
4. Plug the 3.5 mm (1/8") plug into your wireless system or recording device.

ACCESSORIES

Product Specification



- Relacart MiH is a handheld adapter that can convert Mi series transmitters into small handheld interview microphones. With a high-density furry windshields to minimise wind noise and plosives in all recording scenarios effectively.

Handheld Adapter Dimensions (mm):	· Diameter: 21.5
	· Width: 40
	· Height: 210
	· Weight (g): 500
Compatible Relacart Mi series Microphones	
Windshield Dimensions (mm):	· Diameter: 64.5
	· Height: 71.5
	· Weight (g): 6

MiH Handheld Mic Adapter



Mi Microphone Windshield

- Mi windshield is a design of artificial fur, specially used in outdoor and strong wind conditions, reducing wind and blasting noise effectively.



Mi Storage Bag

- It is suitable for Mi series products, with comprehensive protection and excellent portability.



CR Storage Bag

- It is suitable for CR series products, with comprehensive protection and excellent portability.



ME4-J  
(TRRS to 3.5mm jack)

- ME4-J is a TRRS to 3.5mm splitter headphone output and microphone input conversion cable, which is specially designed by Relacart for mobile phone karaoke applications, and supports mobile phone and tablet karaoke.
- Support for Android and other system mobile phones and new generation computers 2 in 1 four-level input socket



ME4-C  
(TYPE-C to 3.5mm jack)

- ME4-C is a TYPE-C to 3.5mm splitter connector headphone output and microphone input conversion cable, which is specially designed by Relacart for mobile phone karaoke applications, and supports mobile phone and tablet karaoke.
- Support for Android and other system mobile phones and new generation computers 2 in 1 four-level input socket



ME4-L  
(Lightning to 3.5 jack)

- ME4-L is a Lightning/Lightning to 3.5mm splitter connector headphone output and microphone input conversion cable. It is specially designed by Relacart for mobile phone karaoke applications. Supports mobile phone and tablet karaoke. Effectively solve the phenomenon that the condenser microphones on the market cannot be incompatible with the IPHONE/IPAD
- Support IOS system, Android system does not support temporarily, has nothing to do with the conversion line.

ACCESSORIES

Product Specification



Unbalanced audio cable

- XLR (female) to 6.3mm double-core shielded cable, mainly used for mono transmission.



Unbalanced audio cable

- Generally, the pins in the microphone, the mono and dual channels in the audio, use this 6.35mm audio pin to achieve the sound quality transmission effect. So that our sound quality can be played more smoothly, and it sounds more comfortable.



Balanced audio cable

- Suitable for connecting between professional microphones and professional equipment, such as mixing consoles, sound cards, power amplifiers, equalizers, compressors, crossovers, digital decoders, professional microphones connected to cameras, and other equipment. Broadcast-grade professional XLR male-to-female Balanced microphone cable, XLR microphone cable, special fine copper wire twisted, durability is particularly good. It is suitable for stage sound, press conference, KTV, professional sound reinforcement, home theater and other environments. sounds more comfortable.



TRS to XLR (female)

- Connect one end of the XLR three pin XLR female to the output jack at the end of the microphone, and connect one end of the 3.5mm plug to the device (SLR) 3.5mm jack.



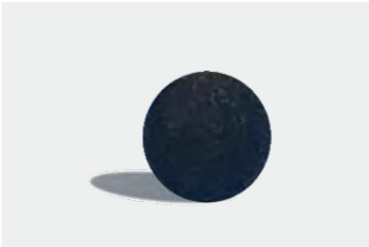
3.5mm balanced connecting wire

- This is a 3.5mm TRS (black) to TRS (black) cable with thread lock, which is used to connect wireless microphone to digital SLR camera or mobile device.



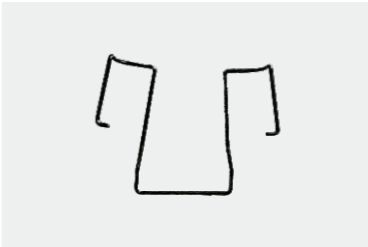
Shoe-mount adapter

- Applicable to CR1 CR2 series Bodypack receiver



Microphone Sponge Windshield

- The sponge windshield provides additional protection from wind noise or popping sound to the microphone. sounds more comfortable.



Bodypack Transmitter Belt Clip

- Fix the transmitter or receiver around the waist of the user.



Rechargeable battery

- High capacity, low internal resistance, low self-discharge, one hour rapid charging and long cycle

# PROJECT APPLICATION

Stage and Music Performances

**HR-31S** | HR-31S provides audio support for Wendeng Nanhai Fudi Water World



# PROJECT APPLICATION

Stage and Music Performances

**UR-2Q+WAM-432** | UR-2Q wireless microphone system helped a college to celebrate the 100th anniversary of the founding of the



## PROJECT APPLICATION

## Stage and Music Performances

## HR-31S+R-32AU | 7th CISM Military Word Games



## PROJECT APPLICATION

## Stage and Music Performances

## The Fourth Guangdong Sports Industry Development Forum in 2020

The famous host Wu Jiahua, Yang Jin teacher used the "Relacart wireless microphone" to open, to deliver the most clear and loud voice



# PROJECT APPLICATION

Stage and Music Performances

The 2020 FINA CHAMPIONS SWIM SERIES



# PROJECT APPLICATION

Stage and Music Performances

The 2020 FINA CHAMPIONS SWIM SERIES



# PROJECT APPLICATION

Stage and Music Performances

HR-31S+UR-223S | 2019 Guangzhou Asian Food Festival Exhibition

Opening & Closing Ceremony



Korea special

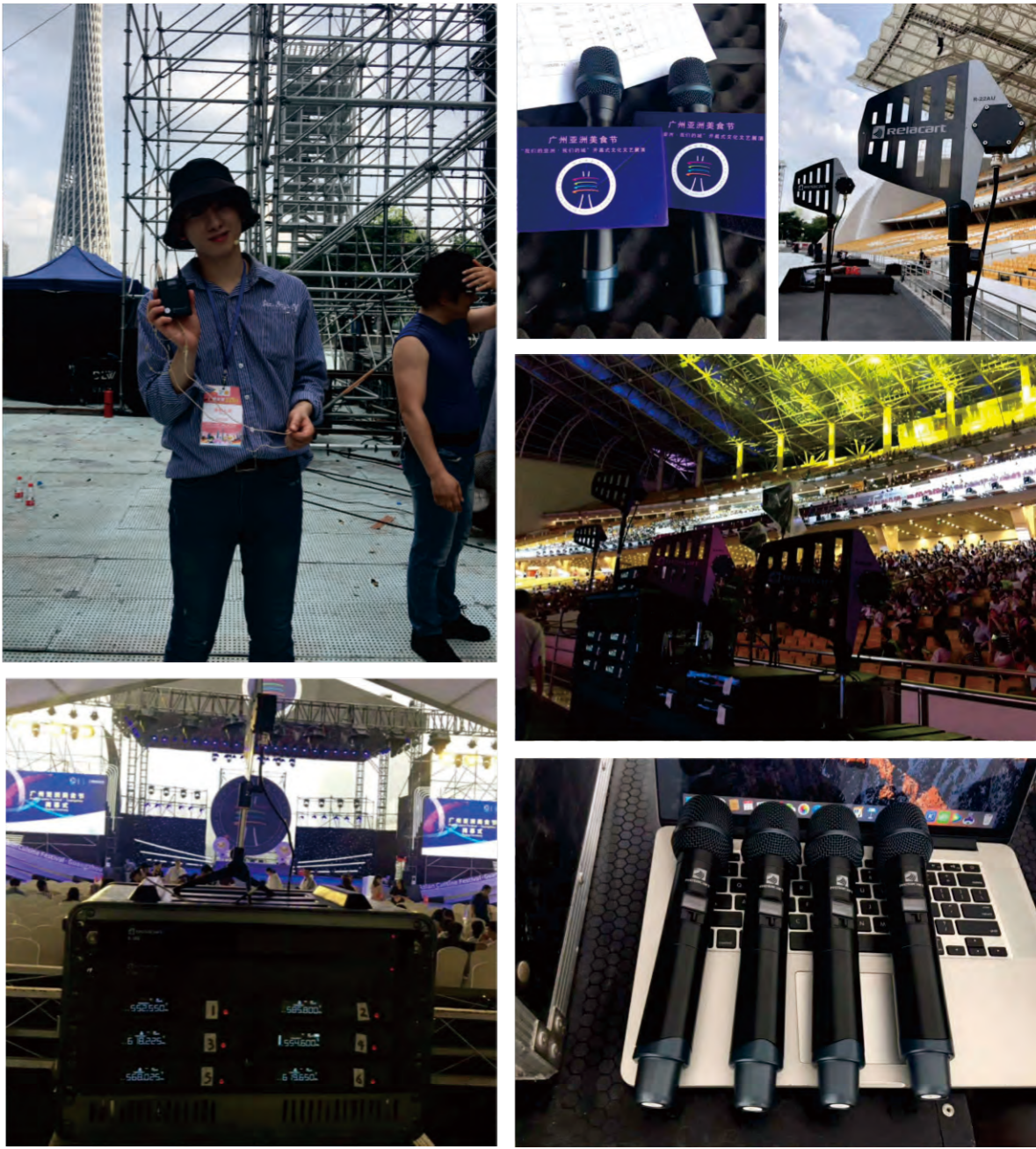


# PROJECT APPLICATION

Stage and Music Performances

HR-31S+UR-223S | 2019 Guangzhou Asian Food Festival Exhibition

On-site equipment



# PROJECT APPLICATION

Stage and Music Performances

**HR-31S** | Sun Yang double crown! Relacart professional performance audio system to help the 2019 FINA swimming champion! Relacart Microphone boarded CCTV news!

Cool stylistic performance show, singer uses Relacart H-31 wireless performance microphone



▲The H-31 wireless handheld microphone is full of low-frequency, and the sound quality is penetrating and passionate, leading the audience to a warm and cheerful atmosphere.

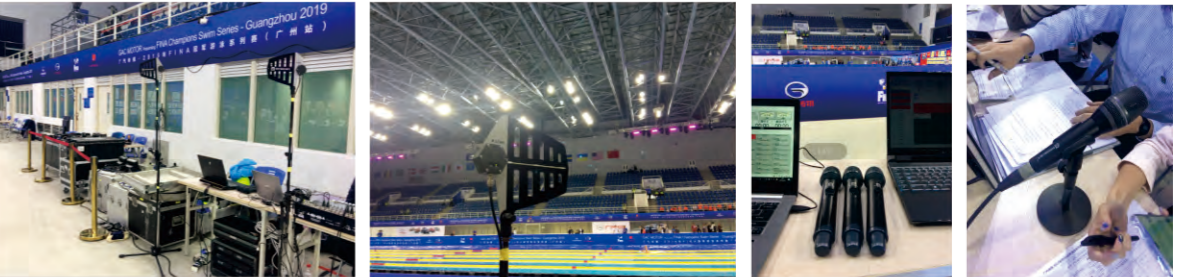


# PROJECT APPLICATION

Stage and Music Performances

**HR-31S** | Sun Yang double crown! Relacart professional performance audio system to help the 2019 FINA swimming champion! Relacart Microphone boarded CCTV news!

At the exciting event scene, the compere used Relacart P1 wireless microphone broadcast the record in real time, and interview the swim champion athlete.



▲The use of R-22AU directional antennas to compensate for the problem of wireless transmission signal attenuation caused by large number of people on the large stage and strong wireless interference.

▲The compere uses Relacart PM-100 professional wired condenser microphone

# PROJECT APPLICATION

Stage and Music Performances

HR-31S | 2016~2018 GuangZhou International Light Festival



# PROJECT APPLICATION

Stage and Music Performances

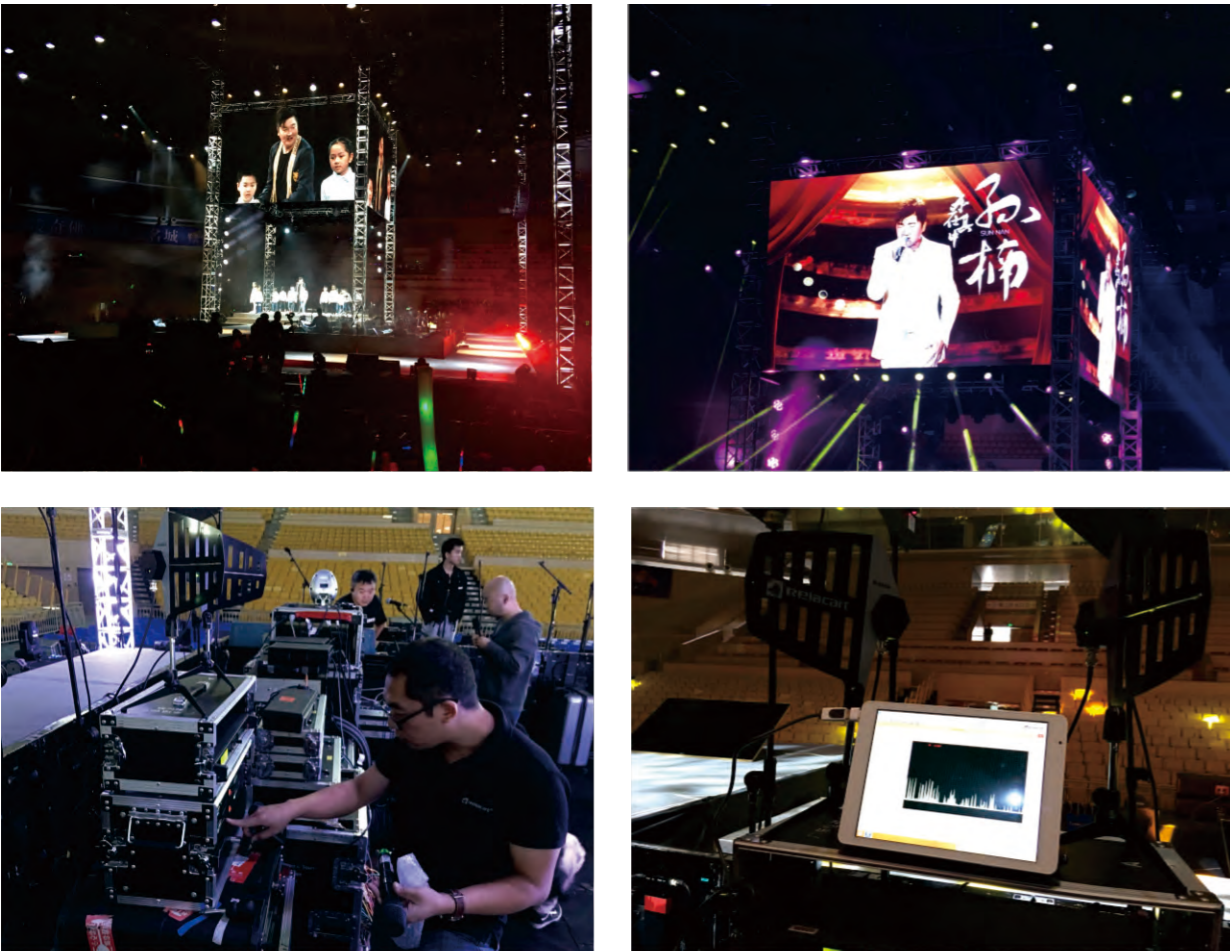
HR-31S | 2016-2018 stars shine in Guangdong New Year's Carnival



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | 2016 Sun Nan "Happy in" World Tour Concert Foshan Station



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | 2016–2018 BONBON LAND Music Festival



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | 2017 China Cup International Football Championship



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | GuiZhou ten kilometers outdoor project



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | GRAND HOTEL



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | GRAND HOTEL



# PROJECT APPLICATION

Stage and Music Performances

HR-31S I The Captain



# PROJECT APPLICATION

Stage and Music Performances

HR-31S I The third Valley



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | GREASE



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | “Sweeney Todd” performed in Shanghai Theatre Academy



# PROJECT APPLICATION

Stage and Music Performances

HR-31S I “Playme”performed in Ji Nan



# PROJECT APPLICATION

Stage and Music Performances

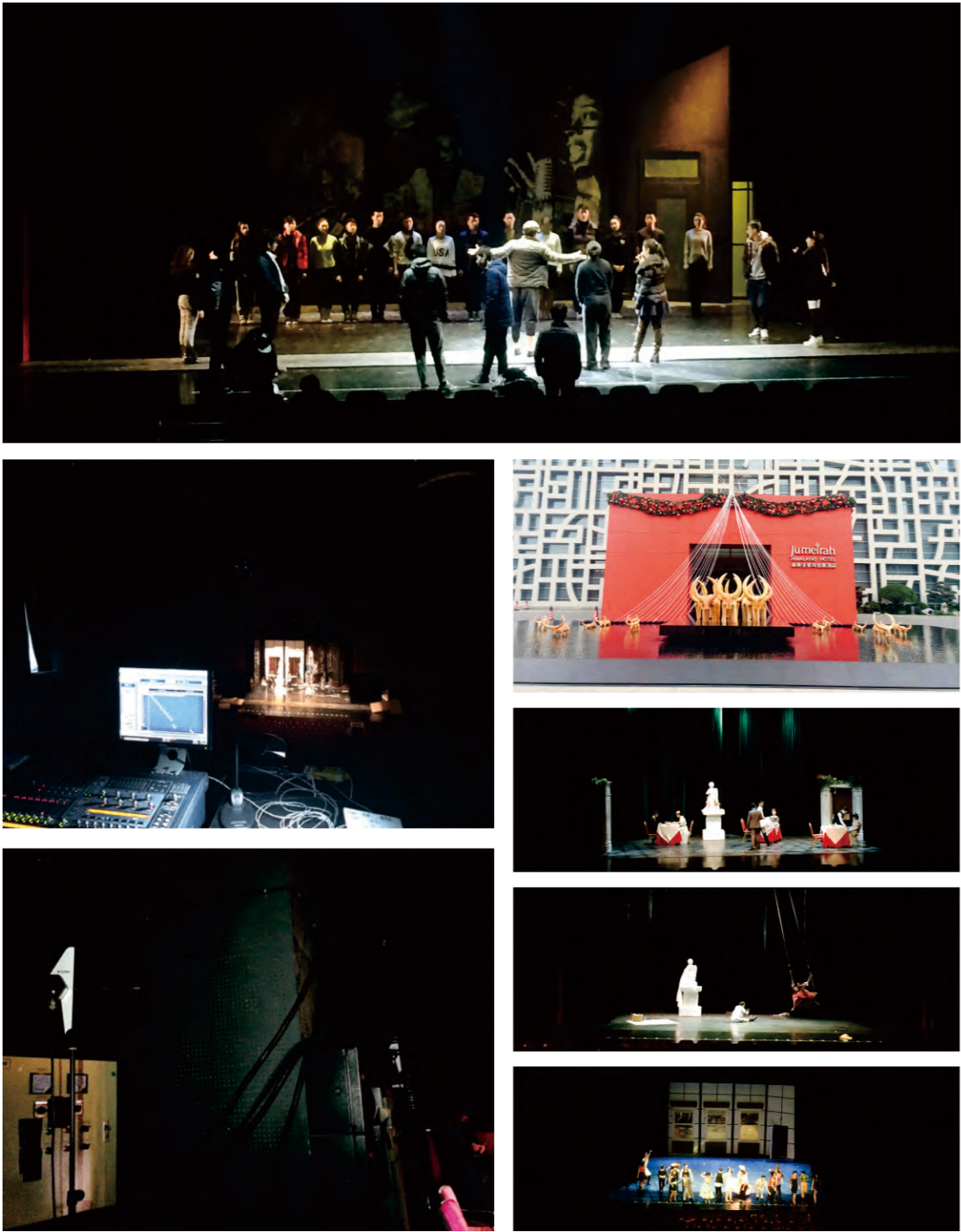
HR-31S I “Playme”performed in Guangzhou



# PROJECT APPLICATION

Stage and Music Performances

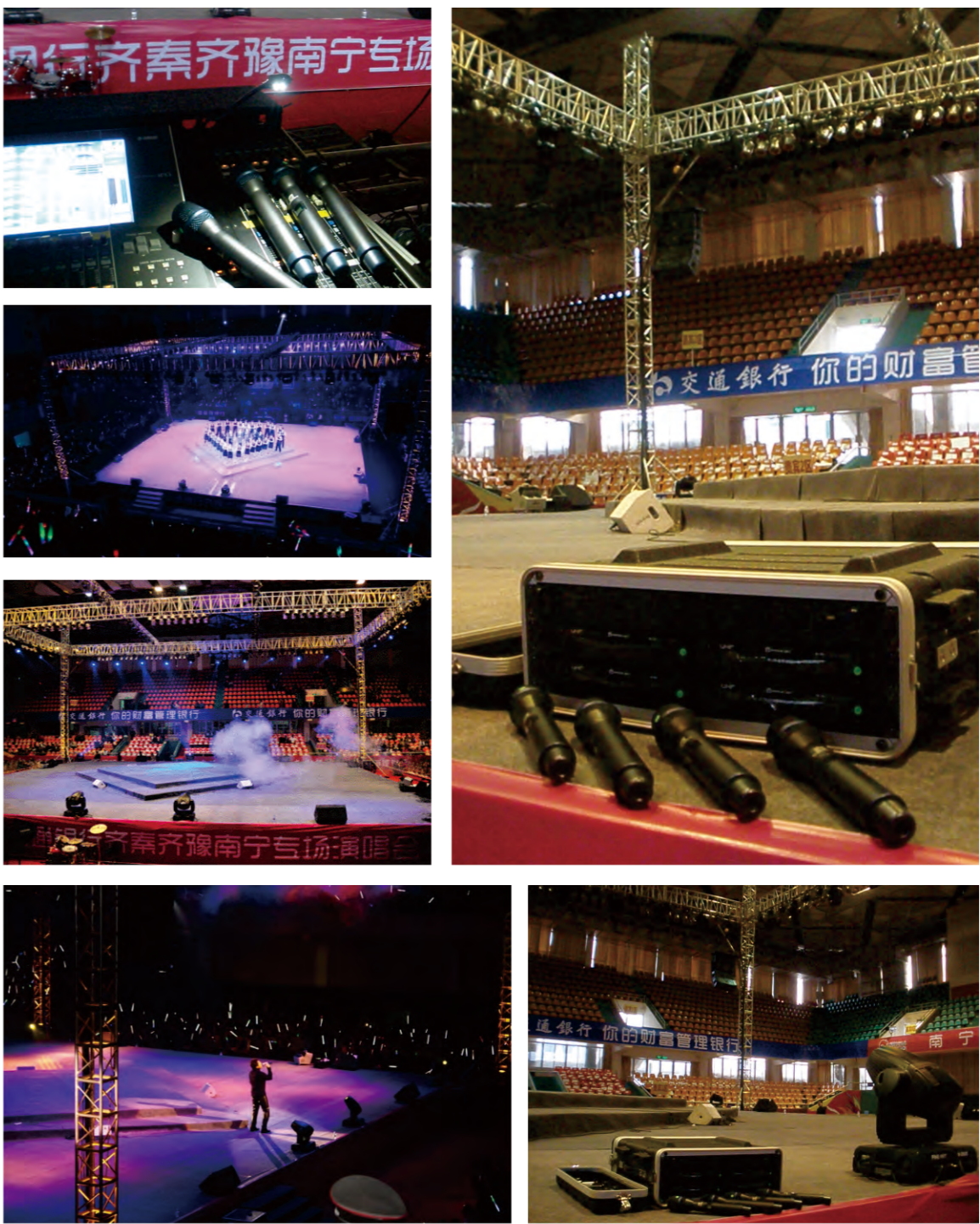
HR-31S | CONTACT



# PROJECT APPLICATION

Stage and Music Performances

HR-31S | “Qiqin”concert in Nanning City



# PROJECT APPLICATION

Stage and Music Performances

HR-31S+UR-223D | Chen Wen Nu teacher and student, friends, spring festival



# PROJECT APPLICATION

Stage and Music Performances

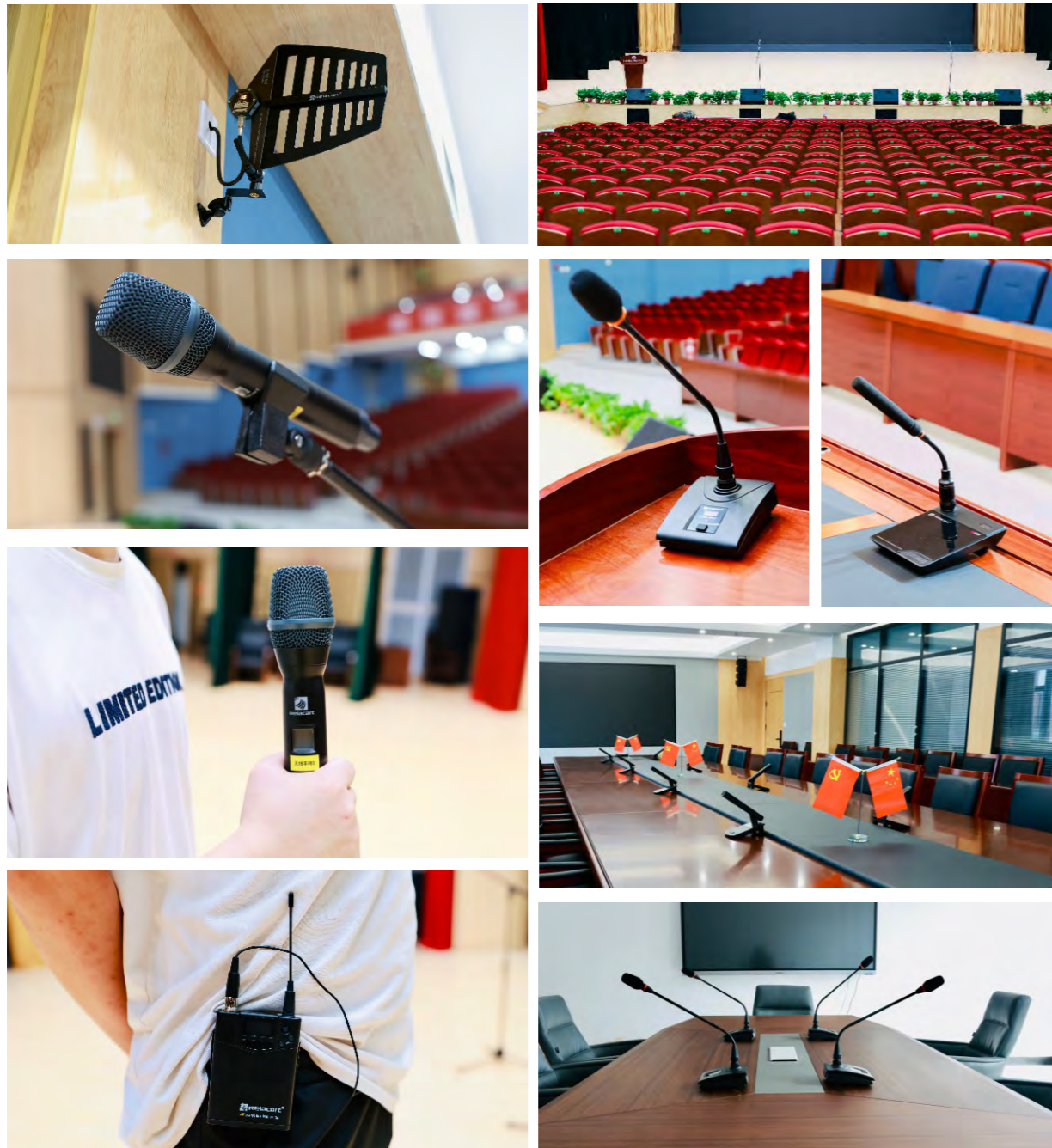
HR-31S | Relacart Performance Series-Danfeng County 2024 Spring Festival Gala



## PROJECT APPLICATION

## Stage and Music Performances

**R-31S / UR-2Q / R-32AU / UR-223S / UR-260D** | Relacart settled in the Senior High School  
Affiliated to Changzhou Academy of Educational Sciences, with a modern overall audio system



## PROJECT APPLICATION

## Stage and Music Performances

**UR-2Q** | Relacart joins hands with BYD to strive for the glory of domestic technology!



# PROJECT APPLICATION

Stage and Music Performances

UR-2Q I Relacart provides audio support for Latin American union prayer event



# PROJECT APPLICATION

Stage and Music Performances

UR-2Q R-32AU I Leader's Choice | Relacart Wireless Microphone Escorts the Peruvian President's Speech!



# PROJECT APPLICATION

Stage and Music Performances

**UR-223D** | Dual channel true diversity wireless microphone system with the Greater Bay Area Racing Carnival to enjoy the wild



# PROJECT APPLICATION

Stage and Music Performances

**UR-223D** | Dual-channel true diversity wireless microphone system helps a Jin Opera troupe in Shaanxi Province



# PROJECT APPLICATION

Stage and Music Performances

**UR-223S** | Sun Yang double crown! Relacart professional performance audio system to help the 2019 FINA swimming champion! Relacart Microphone boarded CCTV news!

After the event, the news media used the Relacart P1 single channel true diversity professional wireless performance microphone



# PROJECT APPLICATION

Stage and Music Performances

**UR-223S** | 2019 Jiang Xiaobai YOLO Youth Culture Festival Guangzhou Changlong Station

Live event



# PROJECT APPLICATION

Conferencing Projects

UR-222D+R-20U | XCMG Group



# PROJECT APPLICATION

Conferencing Projects

UR-222D | IAAF GLOBAL RUNNING CONFERENCE CHINA 2019



# PROJECT APPLICATION

Stage and Music Performances

UR-223S | 2019 Jiang Xiaobai YOLO Youth Culture Festival  
Guangzhou Changlong Station

The compere and singer uses Relacart to perform microphone



▲Locking & Wacking mixed 2V2 event, the compere used Relacart P1 wireless performance microphone

# PROJECT APPLICATION

Stage and Music Performances

UR-223S | 2019 Jiang Xiaobai YOLO Youth Culture Festival  
Guangzhou Changlong Station

Build the scene- Relacart technical team photo



# PROJECT APPLICATION

Stage and Music Performances

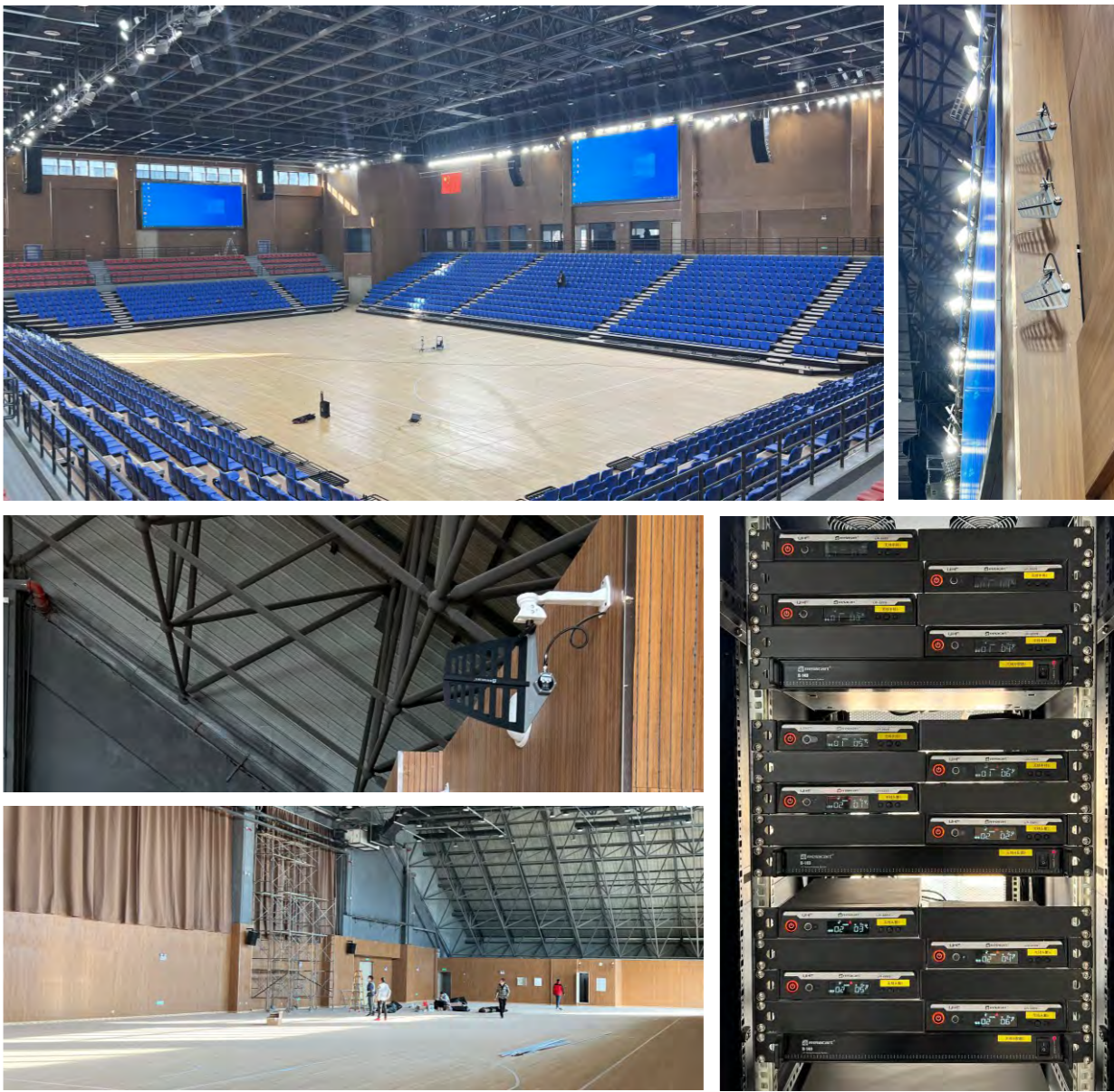
**UR-222D** | UR-222D dual-channel diversity wireless microphone system helps in the Healthy China Marathon



# PROJECT APPLICATION

Stage and Music Performances

**UR-222S** | Relacart Electronics joins hands with Rizhao Municipal government to welcome the 25th Games of Shandong Province and respond to the national call of "national fitness"



# PROJECT APPLICATION

Stage and Music Performances

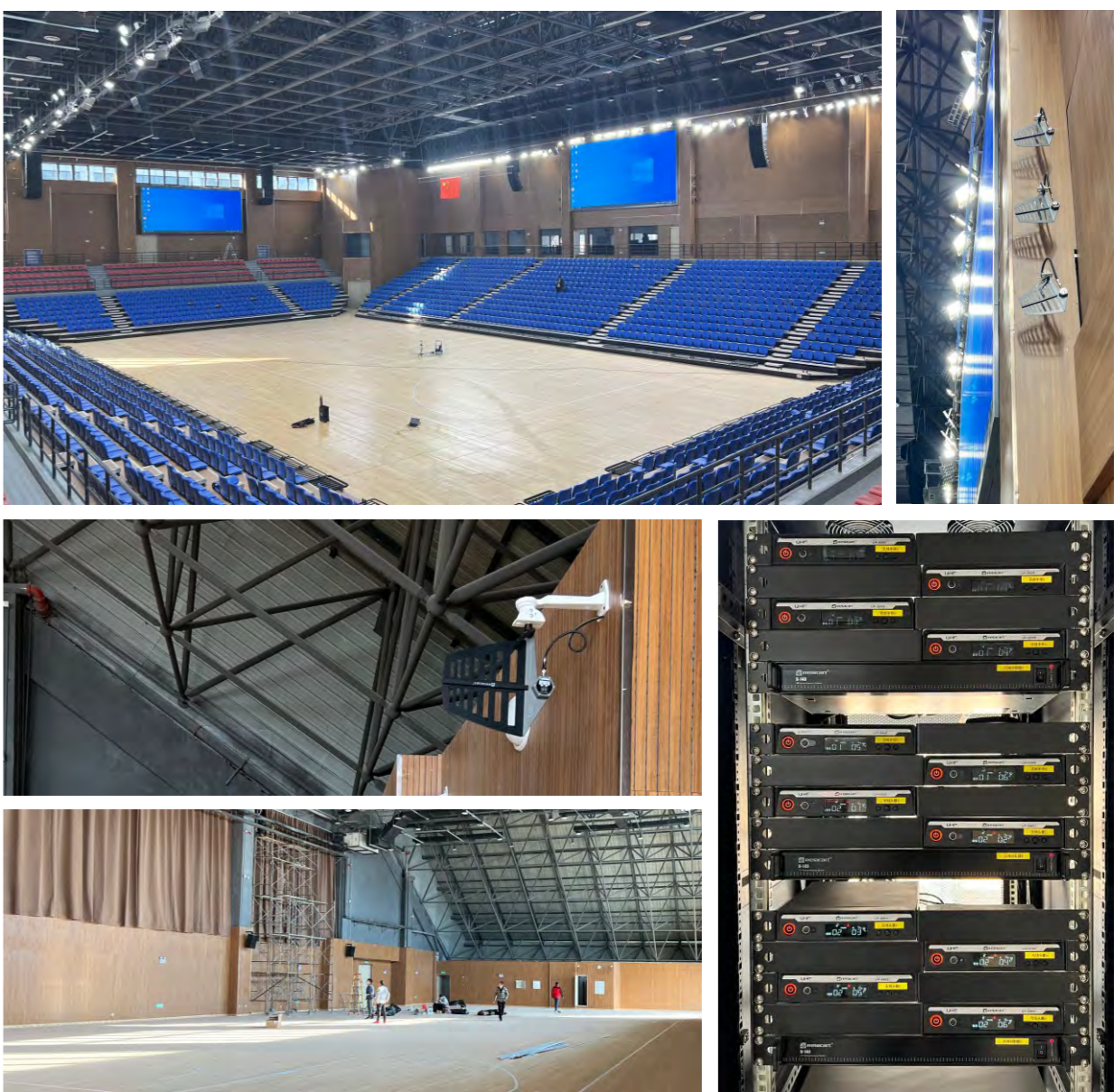
**UR-111D** | Building the future of education together | Relacart wireless microphone system settled in Fuqing Chengguan Primary School!



# PROJECT APPLICATION

Stage and Music Performances

**UR-222S** | Relacart Electronics joins hands with Rizhao Municipal government to welcome the 25th Games of Shandong Province and respond to the national call of "national fitness"



# PROJECT APPLICATION

Stage and Music Performances

**UR-222S** | Relacart UR-222S single channel wireless microphone system appeared in the Brilliant Life Hall of Malaysia



**UR-223D** | UR-223D contributes to the 13th Gesar Racing Festival



# PROJECT APPLICATION

Stage and Music Performances

**UR-5700+UD-1+R-32AU** | Baokang County Secondary Vocational and Technical School "Youthful style, Forge ahead on a new journey" May 4th Youth Day art performance



# PROJECT APPLICATION

Conferencing Projects

**UR-5700+WDC-900**

WDC-900 digital wireless conference system is installed in the multi-functional lecture hall and conference room

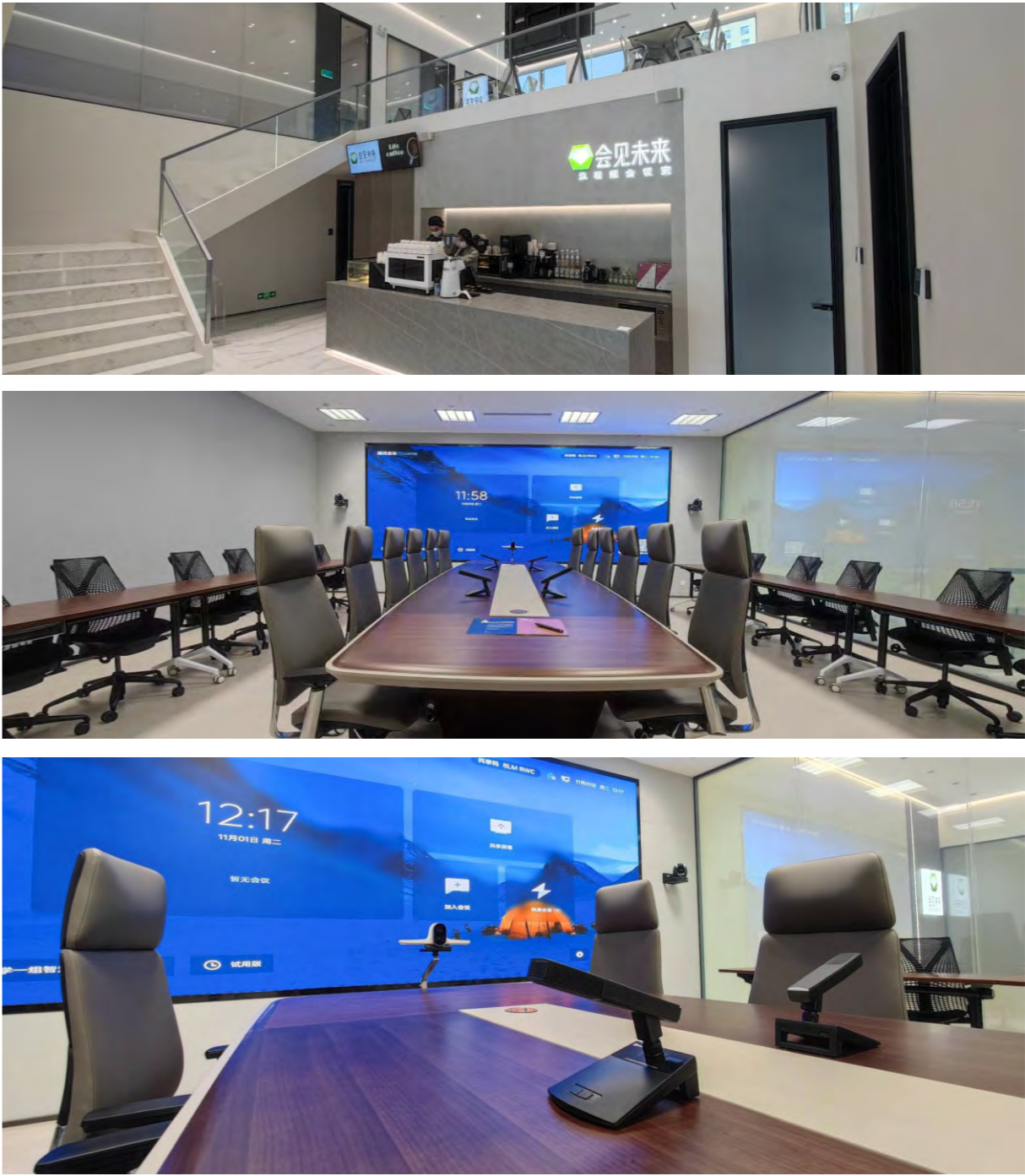


# PROJECT APPLICATION

Conferencing Projects

**WDC-923**

Weifang Shengyi Audio Engineering Co., Ltd. shows "Meet the future company exhibition hall" with WDC-923



# PROJECT APPLICATION

Conferencing Projects

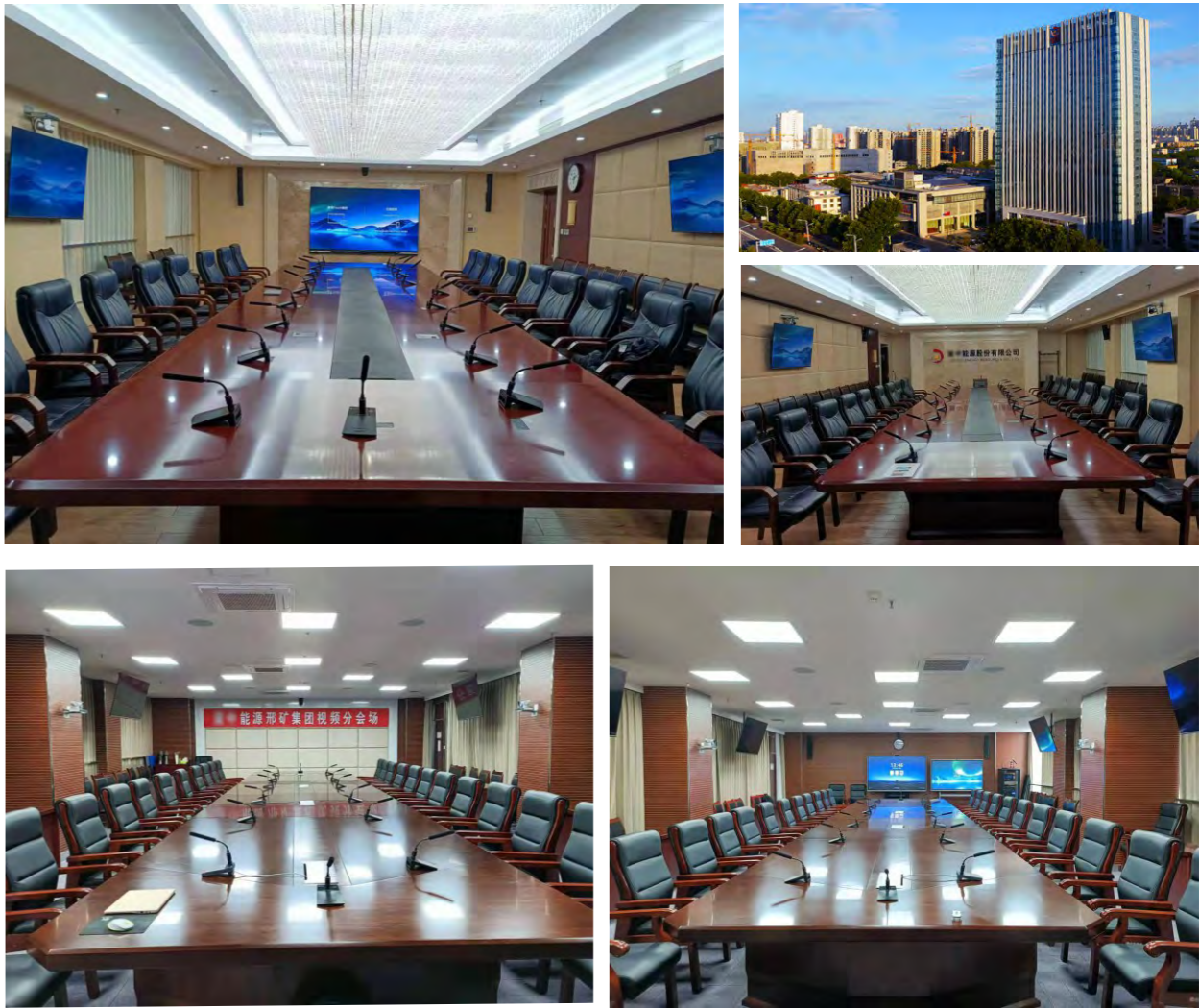
WDC-923+MAS-D | Multi-functional conference hall of a group company in Yunnan



# PROJECT APPLICATION

Conferencing Projects

WDC-903 | Multi-functional conference hall of a Fortune 500 energy group



# PROJECT APPLICATION

Conferencing Projects

**WDC-903** | The WDC-903 digital wireless microphone system is used in the conference room of a Buddhist university in Myanmar



**WDC-903** | WDC-903 digital wireless conference and discussion system is installed in a multi--functional conference hall of a municipal government department



# PROJECT APPLICATION

Conferencing Projects

**WAM-432+UR-260D** | WAM-432 automatic intelligent wireless mixing system was installed in Shandong Province for staff training



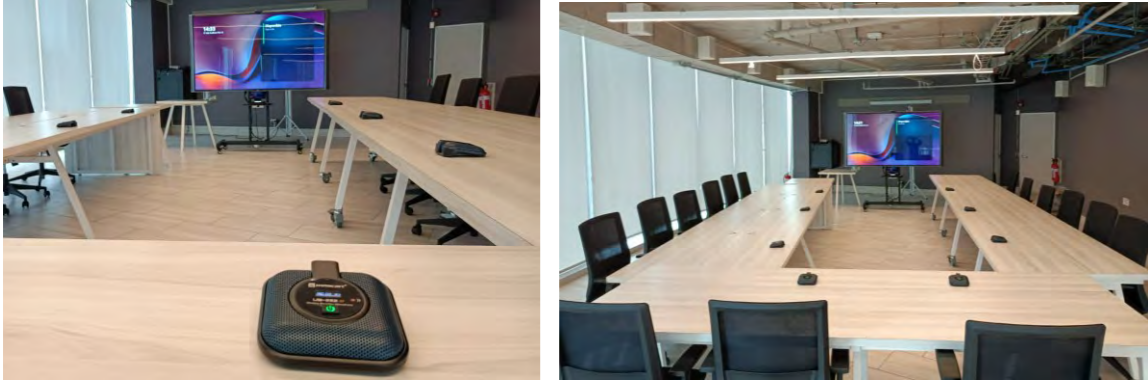
# PROJECT APPLICATION

Conferencing Projects

WAM-432+ AMC-20 | JADEWARE DISTINCTIVE TOWN OF WANTOU  
YANGZHOU Co., Ltd.



WAM-432+ UB-222 | Relacart WAM-432 Wireless Automatic Mixer system settled in a conference room of a bank in Chile!



# PROJECT APPLICATION

Conferencing Projects

WAM-402 | Shandong 271 Education Group



# PROJECT APPLICATION

Conferencing Projects

WAM-402 | Changchun chinensis coal industry limited company



WAM-402 | Suzhou Industrial Park



# PROJECT APPLICATION

Conferencing Projects

WAM-402 | Anhui Fuxin Media



WAM-402 | CDC of Tianyuan District, Zhuzhou City

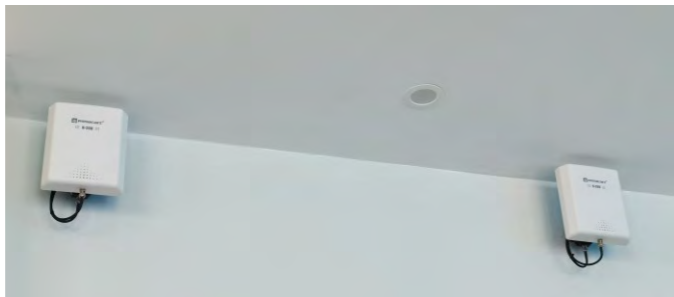


# PROJECT APPLICATION

Conferencing Projects

WAM-402+UH-222  
UD-222

Guandu District Teachers Training School, Kunming City,  
Yunnan Province



# PROJECT APPLICATION

Conferencing Projects

WAM-402+CS-100 I Hunan Yongzhou Bureau of Land and Resources



WAM-402 I The people's Government of Zhengzhou



# PROJECT APPLICATION

Conferencing Projects

**CS-302+CS-501+EU-610** | CS-302 wired professional digital conference and discussion system is stationed in the conference room of the Standing Committee of Tianyuan District



# PROJECT APPLICATION

Conferencing Projects

**CS-302+TSG-910+UR-260D** | Guandu District Teachers Training School, Kunming city, Yunnan province



# PROJECT APPLICATION

Conferencing Projects

**CS-302M +CS-501C+CS-501D** | Conference Room 402, Kunming Branch of China Minsheng Bank



# PROJECT APPLICATION

Conferencing Projects

**CS-302+GF-923** | Tongren City, Guizhou Province government upgrade conference room



# PROJECT APPLICATION

Conferencing Projects

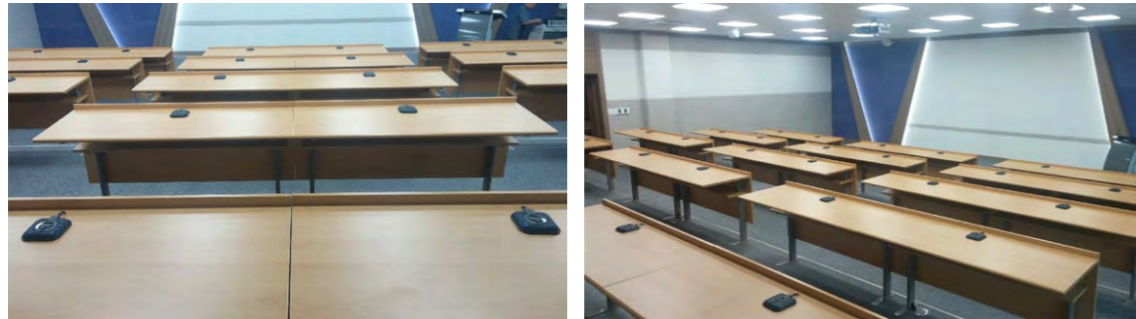
**CS-302** | Relacart provides an efficient meeting experience for a cost-effectiveness firm in Hunan Province!



**CS-302** | Zhejiang Junsheng Holdings Co., Ltd.



**WB-100** | An aviation university in Malaysia



# PROJECT APPLICATION

Conferencing Projects

**CS-101** | Korea Jeonju National Pension Corporation



**CS-101** | Kunshan Municipal People's Congress Standing Committee



# PROJECT APPLICATION

Conferencing Projects

CS-100 | THE 2nd CHINA-ISRAEL MEDICAL TECHNOLOGY INDUSTRY SUMMIT FORUM



# PROJECT APPLICATION

Conferencing Projects

CS-100 | Asian Youth Press Conference



CS-100 | The people's Procuratorate of Yulin City



CS-100 | China Mobile



CS-100 | Ordos Convention and Exhibition Center



CS-100 | ZhongXin Bank Conference Room



CS-100 | YinchuanZhongwei people's conference room



# PROJECT APPLICATION

Conferencing Projects

DAM-128D+TSG-600 | Nanchang Greenland Group



# PROJECT APPLICATION

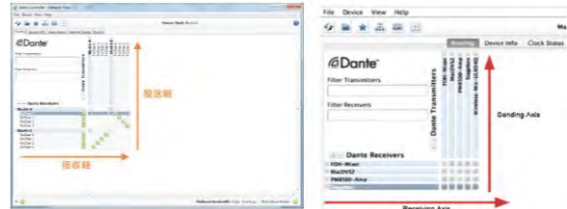
Conferencing Projects

TDN1 | Committee of Changchun city Jilin Province

TDN1 Microphone Desk Stand with Dante Network Output



Dante Global professional network audio transmission technology



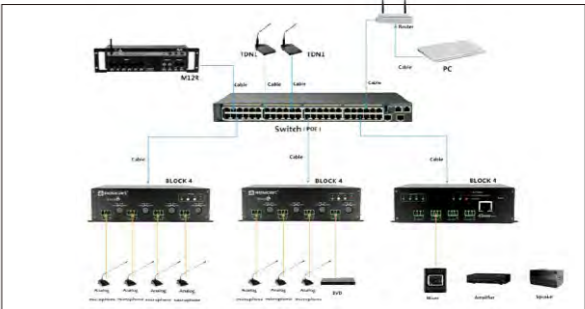
Dante Global professional network audio transmission technology  
The TDN1's audio output can be routed using Audinate's Dante controller and the software can be downloaded from the Audinate website ([www.audinate.com](http://www.audinate.com)).  
The site also provides Dante's routing control and software instructions.

Match Relacart Dante conference microphone management control software RDM1.0



The TDN1 + ES-910 is a Dante desktop microphone for quick installation of a gooseneck microphone output from XLR. The stand is designed for placement on a flat surface and provides high quality radio, conference and distance learning applications Match Relacart Dante conference microphone management control software RDM1.0 can directly set the microphone input gain, low cut, working mode, phantom power supply. The software has audio level visualization, distortion indication.

Network audio solution



TDN1 digital network audio conferencing architecture



# PROJECT APPLICATION

Conferencing Projects

**CONFER X + TDN-1 + BLOCK4** | Room 503, 5th Floor, Committee of the CPPCC of Zhuzhou City



# PROJECT APPLICATION

Conferencing Projects

**UR-2Q +CONFER X UD-223+TSG-550** | Conference Room, Zhuzhou Culture and Tourism Radio, Television and Sports Bureau of Gailiying Town People's Government, Shunyi District, Beijing



# PROJECT APPLICATION

Conferencing Projects

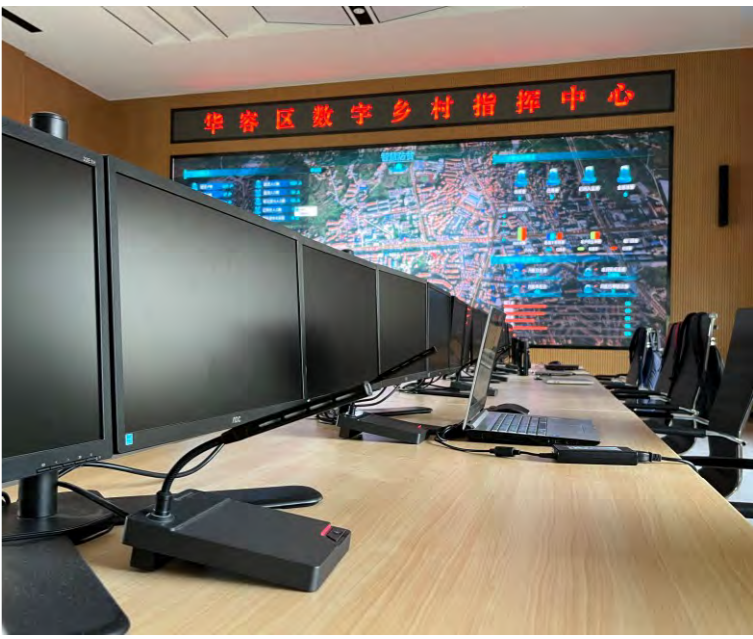
**CONFER X +TDN1&ES-910** | Huairou Campus of Beihang University strives to build a modern software and hardware development laboratory



# PROJECT APPLICATION

Conferencing Projects

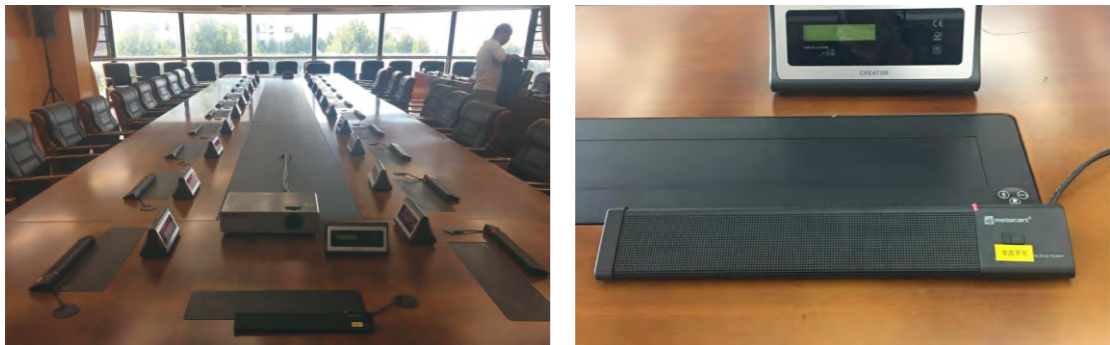
**UR-222DMB+UR-111DMH +CS-302+CS-501** | Replace and upgrade the conference system of digital rural command Center in Huarong District



# PROJECT APPLICATION

Conferencing Projects

**MAS-D** | Relacart MAS-D Dante Microphone Array settled in the conference room of a company in Wuhan



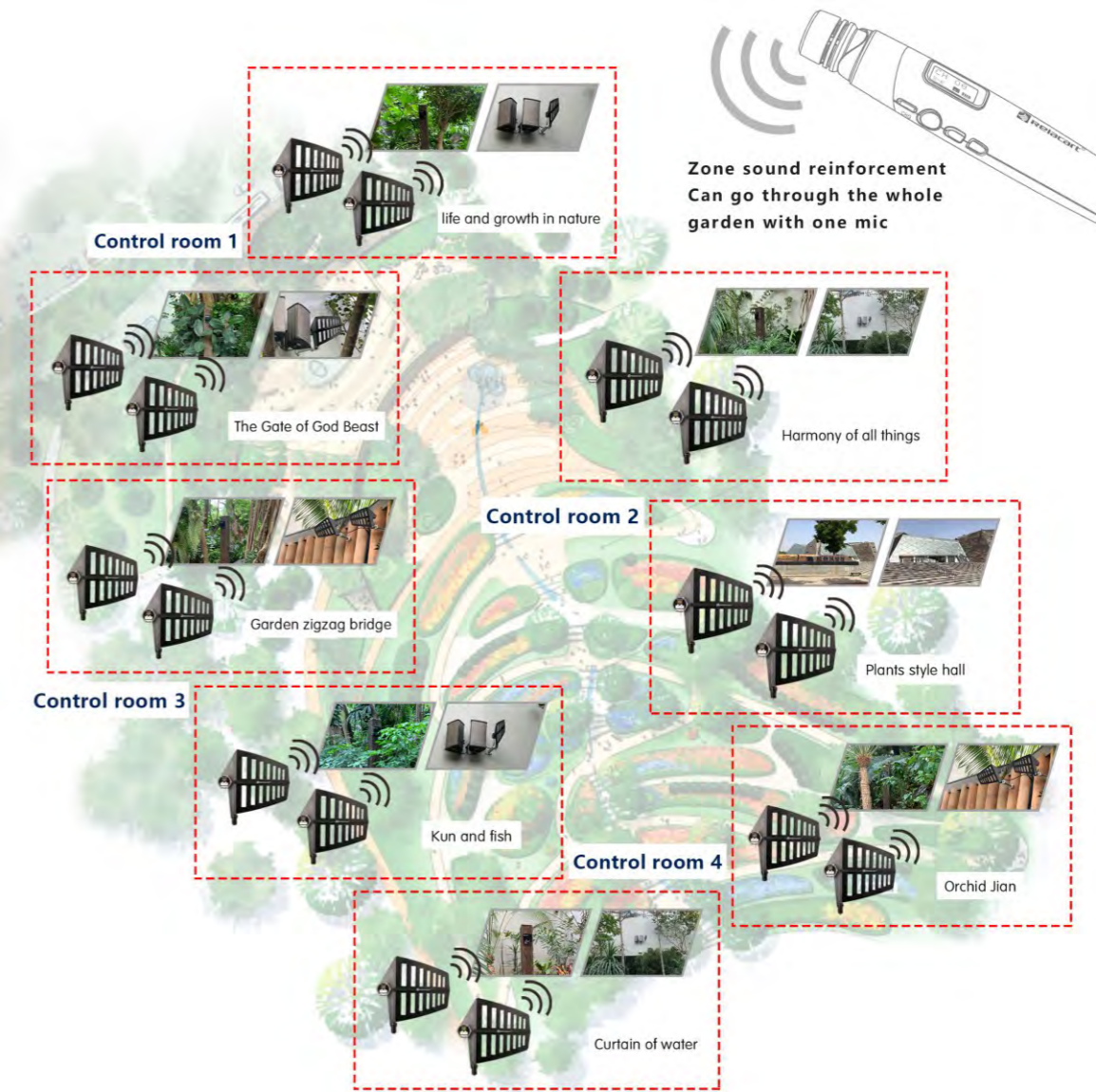
# PROJECT APPLICATION

Conferencing Projects

**TM-500 +R-32AU** | The Botanical Garden uses the TM-500 wireless microphone system to amplify the sound of the garden

## Wireless Relacart, Craftmanship Spirit

TM-500 Dual Channel True Diversity Wireless System  
Application Project Connection Diagram



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | Wuhan Changjiang Daily Media Group



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | Hunan National Tax



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | Guangle Highspeed



WDC-900 | Lanhai International Hotel of Linyi City



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | GuangZhou Zhenguang High School



WDC-900 | Nanping Branch of Industrial & Commercial Bank



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | Hager Communication



WDC-900 | Hunan Yongzhou Bureau of Land and Resours



# PROJECT APPLICATION

Conferencing Projects

WDC-900 | Power Supplier of Shouguang City, Shandong Weifang



WDC-900 | Huaian District Government Conference Room



# PROJECT APPLICATION

Entertainment and KTV Rooms

Ivory Red KTV



China Southern Power Grid



# PROJECT APPLICATION

Entertainment and KTV Rooms

Shouguang century High School Lecture Hall



Changsha Follow KTV



# PROJECT APPLICATION

Entertainment and KTV Rooms

# PROJECT APPLICATION

Entertainment and KTV Rooms

No.8 Club



Hunan Changsha KTV

