



HR-32D/S

Ultra-wideband Digital Hybrid Intelligent Wireless Microphone System

Create a magnificent stage and showcase infinite possibilities!

HR-32D dual channel true diversity wireless microphone system features innovative wireless audio technology and unique features. The powerful RF performance allows your audio system to be upgraded in all aspects, providing sufficient signal protection, tailored for large-scale performances such as concerts and stage plays that pursue ultimate results. It has advanced true diversity mode and automatic frequency scanning function, supporting extended directional antennas and Dante audio protocol.



HR-32 series is a microphone system independently designed and manufactured by Lika, equipped with multiple innovative functions to make your stage performance more perfect and showcase your charm to the fullest!

Mixed Digital And Analog

Combining digital audio with analog FM radio links to provide excellent audio quality and noise free RF performance.

Signal Frequency Visualization

Realize spectrum visualization for the one click frequency sweep AFS function, and gain a more intuitive understanding of the frequency status within the working frequency range of wireless devices. Provide two frequency sweep functions: automatic and manual. The manual mode can provide more detailed spectrum function settings, making it easy to understand the spectrum details of different frequency

Digital Audio Output

The HR series offers two types of digital audio outputs, Dante and AES67, which are suitable for more different devices and can provide you with the perfect sound in any usage situation.



Hard-core Technology

The HR-32 series is made of extremely excellent hardware, combined with precision circuits, mature software, and high-speed chips, to provide you with the most comfortable user experience and create a perfect stage

DSP Audio Digital Expansion

Adopting high-speed DSP chips, 24-bit high-precision and DSP that supports floating-point operations. Provide high-speed transmission conversion computing power, coupled with self-developed digital audio expansion algorithms, to reduce the noise generated during wireless transmission, provide pure voice and extremely high signal-to-noise ratio

PLL Frequency Synthesis Oscillation Circuit

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

Ultra-wideband True Diversity

The overall system has a 134MHz bandwidth, eliminating frequency pollution and making it easier to find clean frequency points. Adopting true diversity reception method, filtering and outputting clean signals. Even for professional large-scale stage performances, the HR-32 series is still your best audio processing



Intelligent management

The HR-32 series comes with a variety of convenient and fast management functions, allowing users to avoid a lot of tedious operations during use and easily output pure sounds.

RWW Wireless Digital Control Software

The HR series can be controlled through RWW software on devices such as laptops and tablets. Able to search for radio interference points in the on-site environment and frequency blind spots on stage. You can name any device to correspond to the user, and monitor the RF, AF, SQ values, frequency, battery level, etc. of each device in real-time.

[AFS] Automatic Frequency Search

Equipped with [AFS] automatic search for clean and interference free frequencies in the actual environment. When entering the settings menu and selecting the AFS function, it will automatically search and lock on channels that are not disturbed in the actual working environment.



R-14D Antenna Distributor

A dual 1/4 antenna distribution system with low internal modulation distortion. Stable functional characteristics, fully applicable to the operation of UHF high bandwidth wireless systems, supporting the application of 2-4 Relacart wireless series or other series of wireless systems.



Frequency range: Amplification gain: Input/output impedance: Antenna power supply:

Maximum current: Power supply: Size (mm): Weight (kg): 470-960MHz 0dB, ± 3dB typical

Each antenna input terminal has a maximum current of 150mA, DC12V, and the center is the positive pole (4 groups) 800mA/group

AC100-240V, 50/60Hz

410 (width) × 43 (high) × 206 (deep) approximately 2.5kg

CONFER X Wired Digital 64 Channel Intelligent Mixer

CONFER X is a wired digital automatic mixer independently developed by Relacart, which has 64 channels of input and 16 channels of output and supports the Dante protocol 64 channel input, 16 channel output analog, DANTE digital hybrid matrix control, suitable for a wider range of application engineering By setting the noise threshold for each microphone, the microphone is automatically turned on for pickup, achieving automatic intelligent management of on-site microphones.

THD+N distortion:<0.05%
S/N signal-to-noise ratio: 118dB
Common-mode rejection ratio:>60 dB
Number of input channels: 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

Dynamic range: 100dB

Maximum output level: Line (+0):+21dbu MIC (-20):+1dbu Dante interface: 64 (input) X 8 (output) AD/DA conversion: 24bit, 48KHz

Internal processing: 40 bit, floating point DSP DSP functions: input, output equalization, limiter, howl suppression Matrix control, threshold control, high and low pass filters

Audio frequency response: 20hz-20khz

Network interface: 10/100/1000 Mbps Ethernet, Dante digital audio Chassis specification: EIA standard 1U

Dimensions (mm): 410 (W) x 43 (H) x 206 (D) Weight: approximately 2.5 Kg

Power requirements:~110V-240V 50/60Hz 60W Working temperature range: 0 °C~40





Multifunctional Host

Chassis specification: EIA standard 1U Receiving method: true diversity receiving Receiving channel: dual channel/single channel Frequency stability: ± 0.005%

External antenna interface: dual BNC supports DC 12-18V/150mA output

External audio interface: MIXER mixed balanced audio output, BALANCED single channel balanced audio output Ethernet port: supports 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 the input is 5dBu, S/N>60dB

Bandwidth: Single channel 130MHz (depending on region) Maximum offset: ± 50KHz

Audio sampling rate: 96KHz 24 bit

Audio extension: Lika DSP digital audio extension algorithm

Comprehensive S/N:>105dB

Comprehensive T.H.D:<0.7% @ 1KHz

Frequency response: 65Hz~18KHz ± 3dB Effective working distance: generally 100 meters (in an

Power supply method: DC 12-18V

Size (mm): 480 (length) X43 (height) X350 (depth)



SPOKEN HERE easy system expansion.

·Equipped with a frequency management system,



Product Components

The H-32/H-33 wireless handheld microphone is made of all alloy and ergonomically designed to provide a comfortable grip. The hidden switch is designed to avoid accidental touch. It can be freely used with dynamic or condenser capsules and is compatible with capsules of some well-known brands on the market.



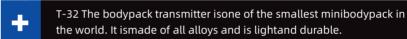
H-32 SH/SE Wireless Handheld Microphone

Carrier Frequency Range: 521.25MHz-936.85MHz Harmonic Radiation: <45dBm Frequency Bandwidth: Single-band 134MHz Modulation Mode: Audio Compression:

Relacart classic audio compression circuit Dynamic or Condenser, Cardioid RF Output Power:

10mW/50mW AA x2 130mA (typical)

Current Consumption: Battery Life: Approximately 10 hours 53 (Φ) X275 (L) Dimension (mm): Weight(without battery): Approximately 322g





T-32 Wireless Bodypack Transmitter

Carrier Frequency Range: 521.25MHz-936.85MHz

Oscillation: PLL synthesized Harmonic Radiation: <45dBm Max. Deviation: ±45KHz

Input Connector: 4-pin miniXLR connector

RF Output Power: 10mW/50mW

Battery: AAx1

Current Consumption: 205mA(Typical)

Battery Current/ Life: Approximately 5 hours(alkaline) Dimension(mm): 66(H)x63(W)x20(D)

Weight: Approximately 85g(w/o battery)





Wireless Microphone System Accessories

Dante-Enabled 6.25" Coaxial Ceiling RDA10 Loudspeaker

·Power Supply Mode: 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/neak

·Coverage Angle: Horizontal 90°/vertical 90°

Socket: R.I45.IACK

-Installation Opening Size(mm): Φ190 ·Dimensions(mm): 210(W) × 150(D)

Weight: About 1.8kg



Dante Audio Networked Enabled RDA20 Speaker System

·Power supply: Standard POE / POE + ·Supply voltage: 37V-57V ·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 ·Dimensions(mm): 132(W) × 160(D) × 236 (H)

·Weight: about 2.93kg ·Accessories: wall bracket



R-12S antenna distribution/hub

·Frequency range: 400MHz ~ 1000MHz ·Attenuation: -3.5dB, ± 1dB

-Isolation:>-20dB

Impedance: 50 ohms

·Maximum passing voltage/current:+50V -DC/1 50A

·Interface: BNC

·Dimensions(mm): 65 (W) × 50 (L) × 20 (H)

·Weight: approximately 35g



R-20A Antenna Booster

·Frequency range: 450MHz ~ 950MHz

·Gain adjustable: 5dB and 15dB

·VSWR· input/output≦3·1

-Connection terminal: The input interface is BNC

female, the output interface is BNC male

·Noise: 3dB (tvp.)

·Power supply: DC8V, 80mA ·Working temperature: -20°~50°C

-Dimensions(mm): 87(L)x65(W)x20(H)

Net weight: about 85g

·Package: Black Anodized Aluminum



R-32AU Wide-band Directional Antenna

·Frequency range: 480-950MHz

- ·Amplifier frequency range: 480-950MHz ·Directionality: Cardioid
- Polarization method: linear
 Gain: ≥ 6.5dB
- ·Standing wave ratio:<2
- ·Amplifier gain: 0 to 15dB Amplifier low noise:<0.45dB
- -Amplifier OIP3:>38dBm
- ·External power supply: 6-12DCV
- ·Connector port: BNC female Overall dimensions (mm): approximately
- 332 (L) × 304 (w) × 3 (thick)
- Weight: approximately 715g



R-P5A Wide-band Directional Antenna

·The R-P5A has a low noise signal amplifier that compensates for the insertion loss of coaxial cables

·R-P5A has stronger signal reception capability.

·It can be used in conjunction with the Relacart wireless receiver and antenna

·The lightweight and agile exterior structure



HM-600S Headworn Microphone

·Adudio head: Fixed backplane charging condenser type

-Direction: Omnidirectional ·Frequency response: 50-20000 Hz

-Sensitivity: -47dB (1V=1 Pa) ·Output impedance: 1800 ohms

 Working voltage: 2-10V DC -Connection: 1.2 m -Connector: Mini XI R-4P



HM-800S/B Headworn Microphone

·Radio head: Fixed backplane charging condenser

·Directional property: Omnidirectional

·Frequency response: 50-2000Hz ·Sensitivity: -47dB

·Output impedance: 1800 ohms

·Working voltage: 2-10V DC

-Connection: 1.2m -Connector: Mini XLR-4P



R-22AU Directional Antenna

- ·Frequency range: 450-660MHz, 640-950MHz ·Directionality: Cardioid
- ·Polarization method: linear ·Gain: ≥ 6dB
- -Amplifier gain: 5/13dB -Amplifier bottom noise: < 1.8dB
- -Amplifier OIP3: > 32dBm ·External power supply: BNC, 8-12 DCV
- -Current: 40mA
- ·Connector port: BNC
- ·Weight (g): approximately 220



R-43W Antenna

·Frequency range: 400MH-950MHz, 2000MHz-2500MHz -Gain: 9dB

·Standing wave ratio: ≤ 2 -Input impedance: 50 Ω -Joint type: N-type male

·Size (mm): Ф36.5 x 376 ·Net weight: approximately 220g



LM-C460 (unidirectional)

·Adudio head: Fixed backplane charging condenser type ·Frequency response: 20-12000Hz

-Sensitivity: -37dB ·Output impedance: 1800 ohms -Working voltage: 2-10V DC

-Connector: Mini XLR-4P

-Connection: 1.2m



LM-C480 (Cardioid Directionality)

·Adudio head: Fixed backplane charging condenser type

·Directional characteristic: cardioid directionality

·Frequency response: 60-12000Hz ·Sensitivity: -45dB

·Output impedance: 1800 ohms -Working voltage: 2-10V DC -Connection: 1.2m -Connector: Mini XI R-4P



R-20U Wide-band Directional Antenna

- ·Frequency range: 600-900MHz ·Standing wave ratio: ≤ 2.0
- ·Typical gain: 7dBi
- ·Vertical lobe width: 60 ° -Horizontal lobe width: 80
- ·Input impedance: 50 Ω
- ·Polarization method: vertical ·Front to back ratio: ≥ 25dB
- ·Maximum power: 50w -Joint type: BNC
- Dimensions (mm): 210(H) X 180(W) X 44(D)
- ·Weight (g): approximately 300
- ·Installation method: wall mounted/bracket mounted



R-20P Power Supplier for Antenna

·Connection terminal: BNC ·Frequency range: 200MHz-1GMHz

·In band attenuation: less than 1.5dB ·Power requirements: Suitable for 12V/1A power adapter Output voltage: DC8V, 300mA

·Working temperature: -25 ℃ ~ 50 ℃ ·Size(mm): 87 (L) x 65 (W) x 20 (H)

Net weight: approximately 90g ·Packaging: Black electroplated aluminum material



LM-C550(全指向)领夹麦克风

·Frequency response: (0dB=1v pa.1kHz) ·Radio head: fixed backplane charging capacitive type

·Directional property: omnidirectiona -Frequency response: 60-20000 Hz

-Sensitivity: -41dB (1V=1 Pa) -Output impedance: 1800 ohms

-Working voltage: 2-10V DC ·Line length: 1.2 m -Connector: Mini XLR-4P

U-485 Data Exchange Equipment

·Appearance: Rectangular ·Material: Metal ·Interface: RS-485, USB-B -Color: Black

Weight: approximately 120g



