

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.

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 configuration

- The encoder is configured and flexibly combined with the four touch switch to operate various functions and parameter settings. 128x64 OLED display can display various information of receiver and transmitter at the same time.

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.

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.

Product Specification



WAM-432

Digital & Wireless Automatic Mixer

- 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.

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
Data Port :	RJ11
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



- 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

Wireless Conference Microphone



- 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
Dimensions (mm):	170(L)×129(W)×49(H)
Microphone Lengths(mm):	340/420(default)/480
Weight:	Approximately 580g (w/o battery)

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:	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)
Dimension(mm):	162(L)×125(W)×54(H)
Weight:	910g

UB-222

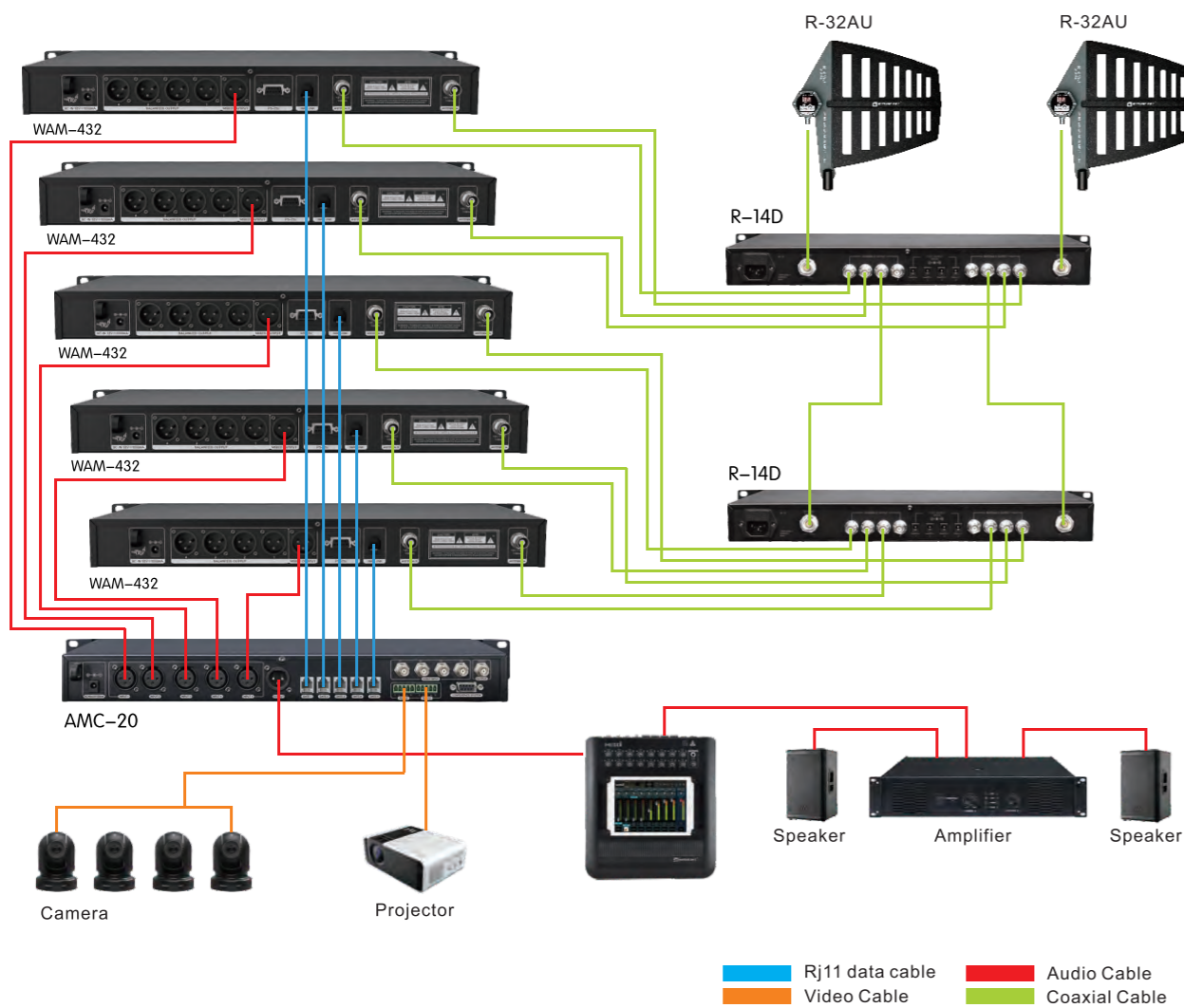
Wireless Boundary Microphone



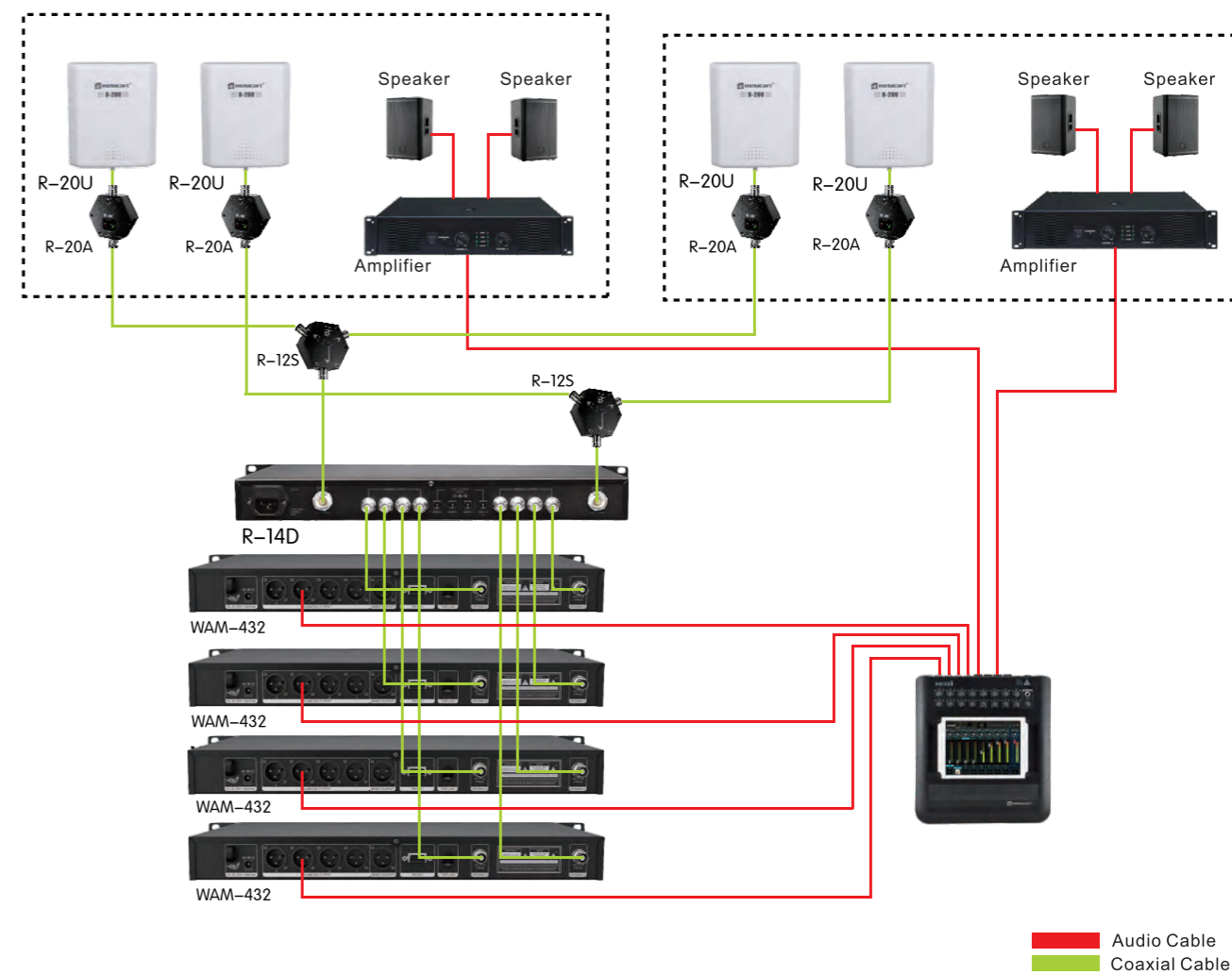
- The microphone switch can control or be controlled by external automatic central control system or other devices.
- Superior off-axis rejection for maximum gain before feedback.

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

System Connection Diagram



System Connection Diagram



Application:



Application:

