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 Expandsion

- 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

- 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

WAM-432
Digital&Wireless Automatic Mixer

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:	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:	AAx2
Current Consumption:	130mA(Typical)
Battery Current/ Life:	Approximately 9 hours
Dimensions (mm)	145(L)x115(W)x48(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
Microphone Lengths(mm):	340/420(default)/480
Dimensions (mm)	170(L)x129(W)x49(H)
Weight:	Approximately 580g (w/o battery)

UD-903
Wireless Conference Microphone

- UD-903 desktop gooseneck wireless conference microphone, simple design, style, durable metal material, high contrast, OLED display, built-in lithium battery can work continuously for up to 24 hours, silent touch switch. It is suitable for government departments, institutions and other occasions.

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:	30mW
Power Supply:	Li-ion polymer rechargeable battery 3.7V/2900mA
Current Consumption:	100 mA (Typical)
Switch:	On/Mute
Working Hour:	23 Hour(Classical)
Weight:	910g
Dimension(mm)	162(L)×125(W)×54(H)

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:	521.25MHz~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 condensder
Polar Pattern:	Cardioid (120°sound-pickup angle)
RF Output Power:	10mW
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