

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-1 or 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

- 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



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:	521.25MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	≤50dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range:	±45KHz
RF Output Power:	13mW
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



UB-1

Boundary Microphone

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

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 condenser
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



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~936.85 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:	8mW/15mW
Battery:	AA X 2
Current Consumption:	110mA (Typical)
Battery Current / Life:	Approximately 10hours
Dimension:	52(Φ)×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:	521.25MHz~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:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension:	66(W)×23(D)×84(H)
Weight:	116g (w/o battery)