MA-909

WIRELESS MIXER

Instruction Manual

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The traditional design concept of the portable "all-in-one" wireless amplifier consists of a unit with a CD player, cassette player, wireless receiver, and control mixer mounted inside the active speaker cabinet. Although it is easy to use and convenient for low power portable amplifier systems, this design is not suitable for use in high power amplifier systems. It will not only be limited in its function and performance, but it will also be inconvenient to operate. You can imagine how inconvenient it is running to the speaker system far from you just to adjust the volume or change a cassette or CD. To solve the inconvenience of operating such a high power system and to incorporate its user-friendly functions into all operations, MIPRO leads the market by designing the first integrated wireless interlinking amplifier system.

This new system separates the control mixer unit from the active speaker system. The mixer unit contains a built-in high-fidelity wireless interlinking module which transmits the mixed audio signals to the active speaker system. By doing so, users can conveniently operate the system from the nearby "wireless mixer" instead of running to the remote speaker system. In addition, the MA-909 wireless mixer can transmit the mixed audio signals simultaneously to any active speaker system equipped with an interlinking receiver module, without any connecting cable and with total disregard to the quantity, specifications, or brand of speakers. Not only does the MA-909 ensure compatibility with any existing PA system, but its agility in expanding a system's output power or sound field provides maximum maneuverability and ease of operation.

Main Features

1. EIA Standard 2U metal case equipped with 2 built-in 16 frequency wireless microphone system, high fidelity wireless interlinking transmitter, CD player, wired microphone socket, LINE-IN socket for other audio sources, and LINE-IN/OUT sockets for recording.
2. A wired microphone, two wireless microphones, CD, cassette player, and other audio sources can be mixed simultaneously at the input.
3. A separate wireless control mixer unit allows users to control active speaker systems remotely to achieve the best performance.
4. Sixteen preset transmitter frequencies make selecting an interference-free frequency simple and convenient.
5. The modular design of the interlinking wireless receiver allows it to be either built-in or mounted on specific brands of active speaker systems.
6. Interlinking receiver modules installed on active speaker systems allows unlimited expansion and change of setup position within the transmitter's range.

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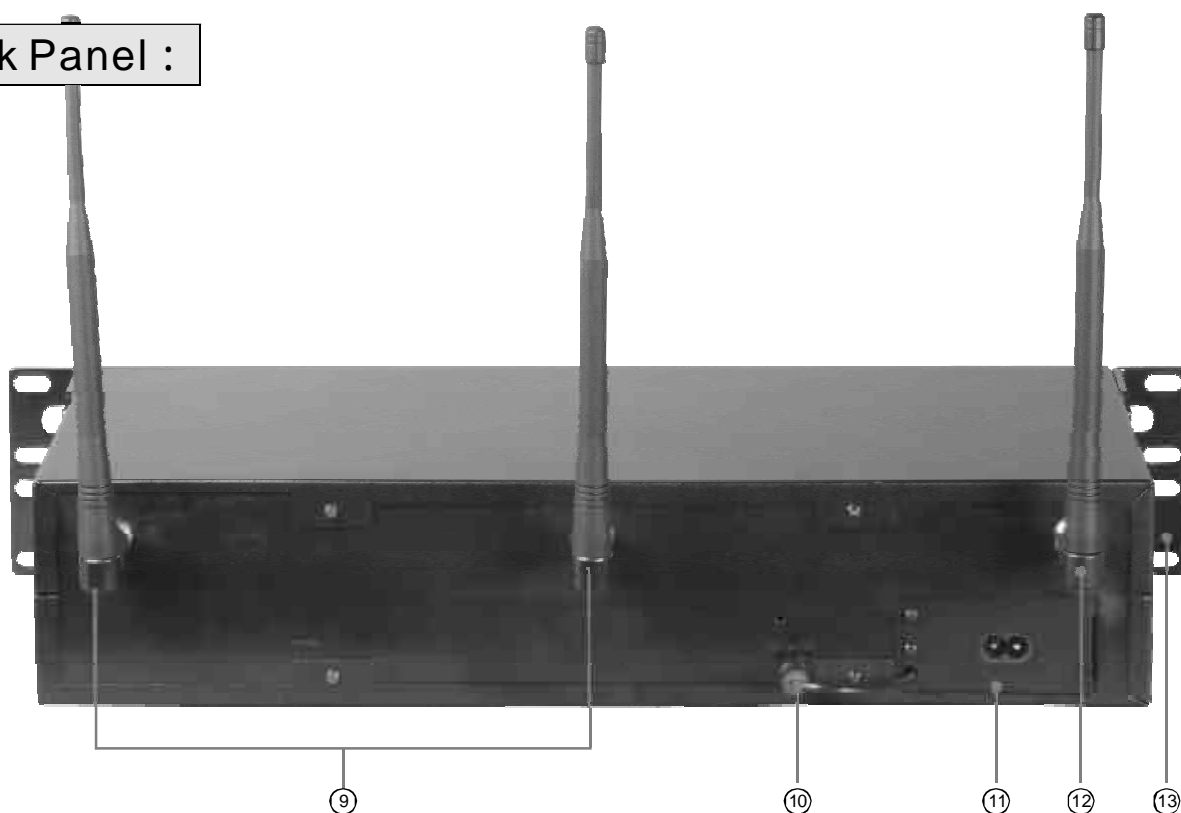Operating Manual

1. PART NAMES AND FUNCTIONS

Front Panel

(1)   Power Switch & Indicator: When switch is turned on, the indicator illuminates to show normal power status.

(2)(6) MRM-70 ACT Receiver Modules: Features auto scan, ACT button, RF & AF meters, squelch control, channel display, & volume control.

(3)   Control Panel: Controls the volume of all sources & sends output to transmitter.

(4)   Front Antenna Input Connector A: Allows installation of extension antenna from Rear Antenna Input Connector A.

(5)   Front Antenna Input Connector B: Allows installation of extension antenna from Rear Antenna Input Connector B.

(7)   CD player

(8)   Transmitter (MT-90): Transmits audio to wireless speakers.

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Back Panel

(9)   Antenna: Receiver Antenna.

(10)   DC Input Jack: Connects unit to 12V DC from the AC/DC adaptor.

(11)   Power Supply Socket: AC cord socket

(12)   Transmitter Antenna: Transmits mixed audio to amplified speaker receiver modules.

(13)   Rackmount Brackets: Allow installation of the receiver into an EIA 19-inch standard rack case.

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A. Receiver Module Part Functions
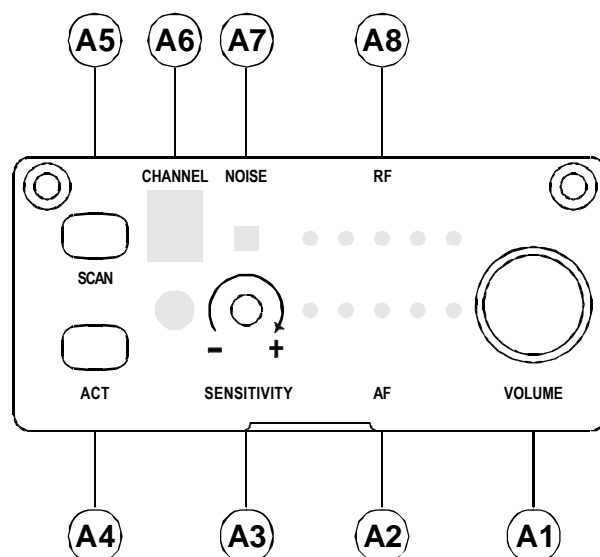
(A1) Power Switch / Volume Control: Allows you to turn the mixer on & off. The AF LED light will flash when mixer is turned on. Increase the volume by turning in a clockwise direction.

(A2) Audio Signal Level Indicator: Indicates the audio levels received from microphones.

(A3) Sensitivity Adjustment: Adjusts receiver sensitivity to ensure no noise output if receiver is not receiving signals from transmitters.

(A4) ACT button: Matches the frequency of the microphone to the frequency of the receiver.

(A5) SCAN button: Selects receiver channel or auto scans all frequencies.

(A6) Channel Indicator: Indicates the current receiver channel.

(A7) Noise Indicator: Indicates that the system is receiving interference.

(A8) RF Signal Level Indicator: Indicates the RF signal levels received from transmitters.