MIPRO

MI-808T Stereo Transmitter

User Guide

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Stereo Transmitter

1. Preface：

Thank you for choosing MIPRO's MI-808T miniature stereo transmitter. This system is engineered to meet the stringent requirements demanded in a variety of pro audio applications, such as by musicians, performers and directors.

To get the most out of your system, please read this manual thoroughly.

Characteristic of the MI-808T：

MI-808T is a part of a wireless monitoring system designed specially for use in stage performance and broadcasting. The main purpose of this system is to allow the user to listen to program feedback discreetly, instead of via a complicated matrix of audio cables and monitor speakers. In addition, MI-808T can serve as a conference PA system or multi-lingual transmitter. To maximize audio quality, S/N ratio and dynamic range, MIPRO uses "Dynamic Signal Processing Technology" to limit spurious and background noise.

Your Package Contains the Following Accessories：

Switching power supply×1

Antenna×1

User Guide×1

2. Features of MI-808T:

The MI-808T is a UHF-band stereo transmitter. In each 24 MHz bandwidth there are 16 pre-programmed, user selectable non-interfering frequencies available. The MI-808T employs the latest high-efficiency transmitting circuitry and includes a rugged metal casing which combine to make it the right choice for audio professionals.

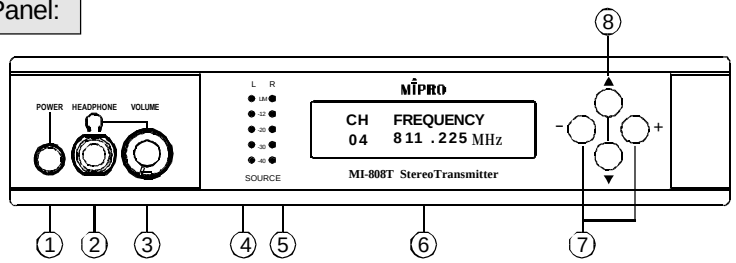
Features:

1. LCD display panel
2. International EIA standard 1/2-rack metal housing
3. Combo socket for balanced and unbalanced inputs.
4. Selectable for stereo and mono operation.
5. Uses an advanced UHF PLL synthesized design. In each 24MHz bandwidth, there are 16 pre-programmed user selectable frequencies.
6. Includes an advanced dynamic expander circuit to ensure a S/N ratio of greater than 90dB.
7. A built-in limiter circuit avoids distortion under high input levels
8. Includes a monitoring earphone jack.

Important Note:
The MI-808T transmitter MUST be used with a MI-808R receiver.

3. Glossary:

Front Panel:

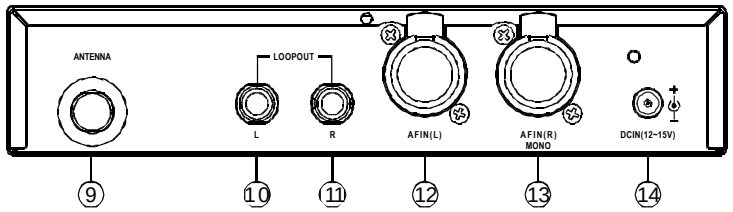


(1) Power Switch: Power on/off.

((fig. 1)

(2) Earphone Jack: Connects to a stereo earphone to monitor audio output signals.
(3) Volume Control: Adjusts the volume of the stereo earphone.
(4) Audio Input (L) and Limiter Indicator: Indicates audio signal strength on the left channel.
(5) Audio Input (R) and Limiter Indicator: Indicates audio signal strength on the right channel.
(6) LCD Panel: Displays all functions and system status.
(7) Setup Key: Adjusts setup configuration.
(8) Function Key: Selects various display menus.

Rear Panel:



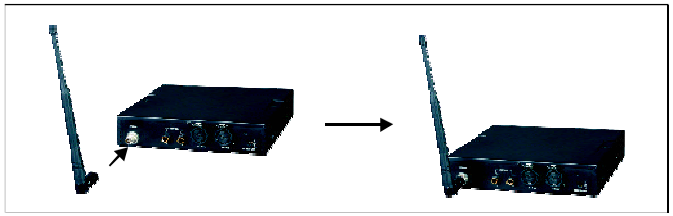
((fig. 2)

(9) Transmitter Output Connector: Antenna connection.
(10) Unbalanced Audio Output Jack (Left Channel)
(11) Unbalanced Audio Output Jack (Right Channel)
(12) Audio Input Jack (Left Channel): Combo socket for balanced and unbalanced signal inputs.
(13) Audio Input Jack (Right Channel): Combo socket for balanced and unbalanced signal inputs.
(14) DC Input Socket: Connects 15VDC power input. Positive (+) voltage for center pole of socket.

4. Operating the MI-808T:

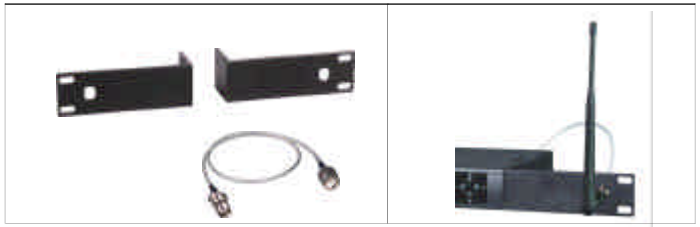
1.Installation of the Antenna

Coaxial cables may be used to remotely locate the transmitting antenna.



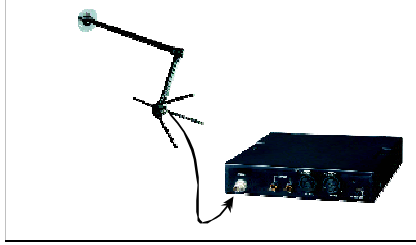
2.Installation of Front Mounted Antenna

Use an accessory FB-71 rack mount kit. For best results, locate the antennas on the front panel.



3.Installation of Extension Antenna

Use the accessory AD-707A extension antennas with an MS-10 wall-mounting accessory or microphone stand adaptor and connect by using quality coaxial cable. Coaxial cable lengths should be kept to a minimum.

AD-707AExtensionAntennasinstallwith MS-10wall-mountingaccessory	connectbycoaxialcable.
	

4.Installation of Power Supply

Connect the DC 12V~15V/1A power supply to the power input socket. The power supply cable may be fastened to the rear panel to prevent the plug from dislodging.

5.Transmitter Turn On

When power is applied to the MI808T and the power switch is turned on, the green LCD display will glow.

6. Line Level Inputs

A balanced or unbalanced line level input can be connected to the 3 pin XLR socket and a n unbalance line level input can be connected via the 6.3 MM jack s ocket. This is duplicated for both left and right channels.

Cause:
Thestrengthlevel of signal input isLINELEVEL. It must magnify the signal before input if MICPHONELEVELinputisnecessary,otherwise sensitivity is insufficient. Suggest to connect withmonitoroutput jack of mixer.

7. Line Level Set Up

The strength of the line level for each channel input will display on the scale located on the left side of the front panel display. Normal operation is at 3. The maximum line level input level should not exceed 4. When input signal strength exceeds 4, the red warning LED will glow. The input signal level should be set properly for optimum dynamic range and S/N ratio and to avoid signal distortion.

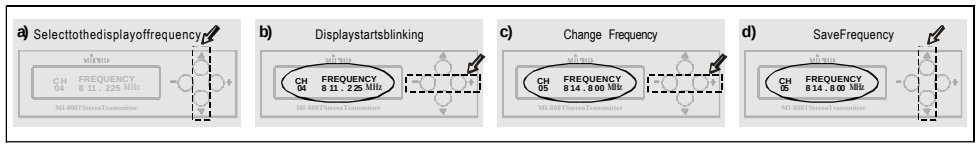
8. Transmission Frequency Set Up

a) Press the up/down key. The LCD display will show the preset frequency.

b) Press the left/right key and the LCD display will start blinking.

c) Press the left/right key to select desired frequency.

d) Press up/down key to save and store the selected frequency.



9.Selecting Stereo or Mono Output

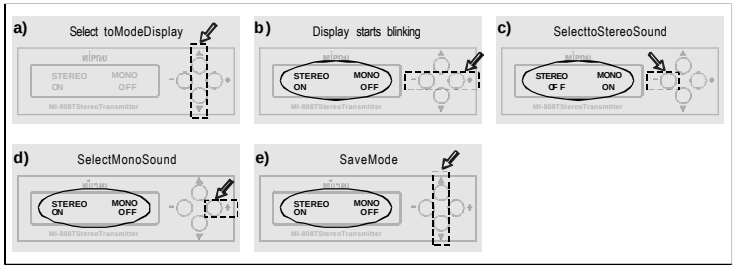
a) Press the up/down key to display STEREO/MONO ON/OFF.

b) Press the left/right key. The display will start blinking.

c) Press the left key and STEREO will display as being of ON.

d) Press the right key and MONO will display as bring ON.

e) Press the up or down key and the display stops blinking. This saves your selection.



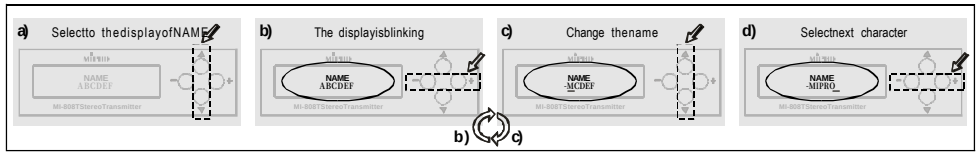
10.Setting a Name

a) Press the up/down function key to display NAME on LCD display.

b) Press the left/right function key and the display will start blinking.

c) Press the up/down function key to select letters or numerals.

d) Press the left/right function key to skip to the next character. Finish the setting of 6 characters by.

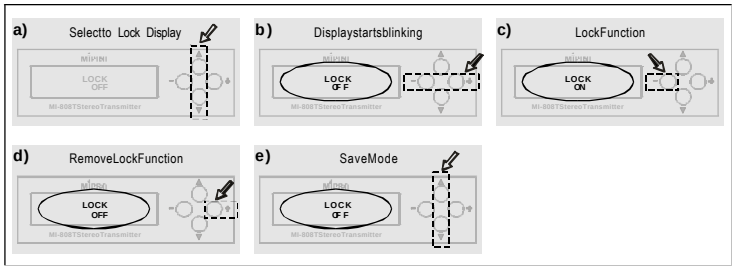


11.Setting the Lock Function

a) Press the up/down key to display the Lock function.

b) Press the left key and the display will show LOCK ON. All settings are now locked. No more setting adjustments can bemade (except for unlock) until the lock function is removed.

c) Press the right key and the display will show LOCK OFF. Further adjustments are now possible.



12.Using the Monitor Feature and Connecting Headphones

Plug a stereo headphone into the headphone output socket (2) and use the volume control to adjust the volume to suit. Note that the connector must be a stereo plug.

Caution:

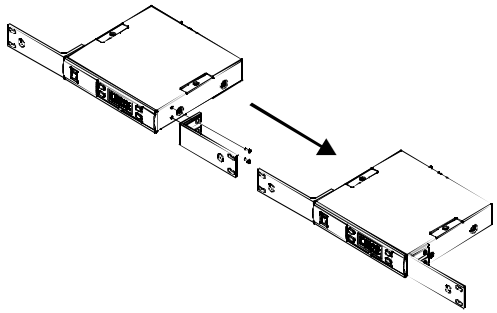
Adjust the monitor headphone level to suit your own needsanddo not overdrive the headphone.

Thesystem will save and update currentsetting automatically within5 seconds afterthelast adjustment if no other buttons are pressed in the interim.

13. Rack Installation of Duial MI-808Ts

A) Single, half-rack transmitter

①Screwtherackmountearsonleftandrightsides.Pleaseseethe illustration below forcorrectassembly.(Fig.5)



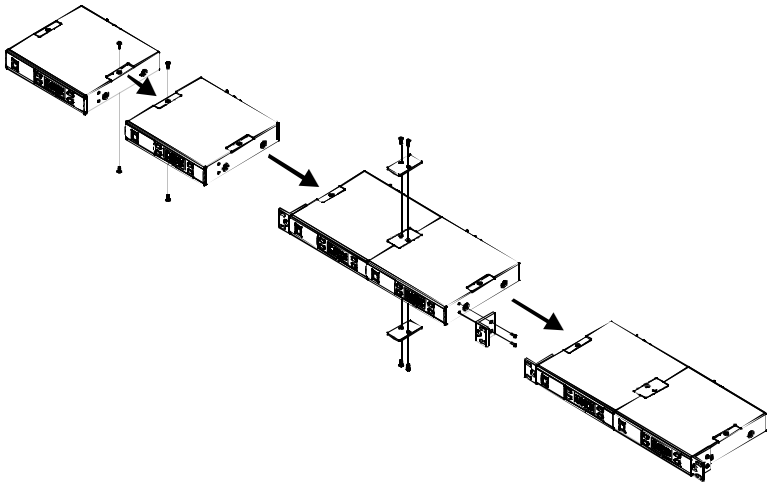
((fig. 5)

B) Dual, half-rack transmitters

① Remove the screws located at the of top and bottom of the two transmitters.

② Position the connecting plates between the top and bottom of the two transmitters and tighten.

③ After fixing the two transmitters together, screw the optional accessory rack mount ears (FB-72) on the left and right sides. (Fig. 6)



(fig.6)

5. Important Notes：

1. To avoid interference, monitoring systems and wireless microphone systems should not operate simultaneously using the same frequency band.
2. Use only 50O coaxial cable to connect the transmitters to external antennas and keep the cable length to less than 5 meters.
3. For best results, maintain line-of-sight between the transmitters and their matching receivers.
4. When using a DC power supply, please be aware of the operating voltage. Please make sure that a minimum of 12 volts in available . Power supply should not exceed its maximum capacity of 18 volts. When the supply voltage is too high, the system will suffer severe internal damage. It is preferred that the power source is from a regulated power suply with the minimum current of 500mA.

NOTE :

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