

MIPRO

MI-808T Stereo Transmitter

User Guide



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Stereo Transmitter

1. Preface :

Thank you for choosing MIPRO's finest miniature stereo transmitter. This system is engineered to satisfy all work requirements in pro audio applications, such as musicians, performers, and directors. To get the most out of your system, please read the applicable section thoroughly in this guide before you attempt to use the system.

Characteristic of MI-808T :

MI-808T is a wireless monitoring system designed specially for people in stage performance and broadcasting. Main purpose of this system is to allow people to listen to their audio sources easily instead of via complicated audio cables or monitoring speakers. In addition, MI-808T can serve as conference PA system or multi-lingual translator. To increase audio quality, S/N ratio, and dynamic range, MIPRO adopts "Dynamic Signal Processing Technology" to limit noise level to its minimal.

Your Package Contains the Following Accessories :

Switching power supply



Antenna x 1



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2. Features of MI-808T :

MI-808T is an UHF stereo transmitter with preset 16 non-interference frequencies in each 24 MHz. It is the best choice for professional stage, furthermore, it is compatible with MIPRO Wireless Microphone System with its characteristic of high spurious emission.

Features :

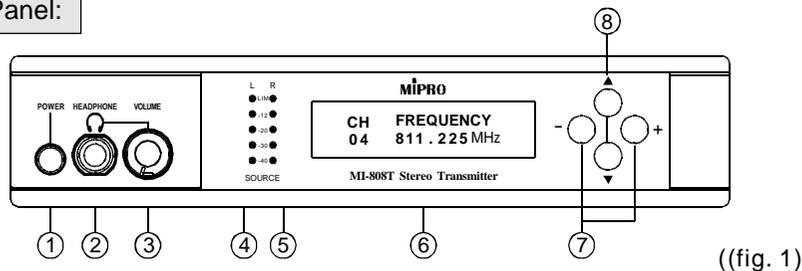
1. LCD display panel
2. International EIA standard 1/2-rack unit
3. Input Socket for Balanced and unbalanced.
4. Selectable for stereo or mono function.
5. Adopt UHF PLL synthesized design where each frequency band covers 24MHz bandwidth and 16 non-interference channels.
6. Features high-pass S/N Ratio over 90dB.
7. Built-in limiting circuit to avoid sound distortion from huge input.
8. Features monitoring output socket of Headphone.

Important Note:

Must to use MIPRO designed mini receiver to match MI-808T transmitter.

3. Glossary :

Front Panel:

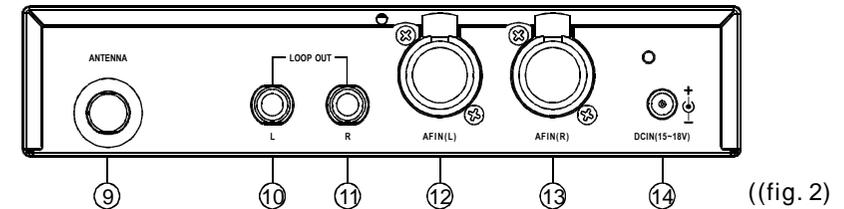


- (1) Power Switch: To turn on and off the power supply for the system.
- (2) Headphone Output Socket: Allow linking with stereo Headphone to monitor output signal.
- (3) Volume Control: Adjust the volume of stereo Headphone by counterclockwise direction.

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- (4) Left Level Indicator, including limiter indicator.
- (5) Right Level Indicator, including limiter indicator.
- (6) LCD Display Panel: Display the details of setting and specification.
- (7) Modification Function Key: Modify setting function.
- (8) Function Selecting Key: Select setting function.

Rear Panel:



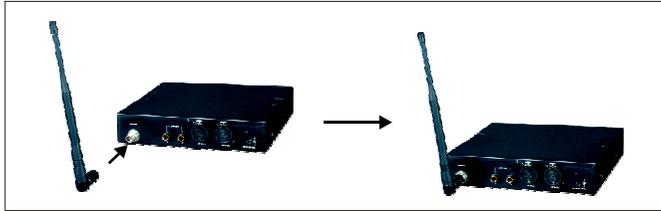
- (9) Transmission Signal Output Connector: Install transmission Antennas.
- (10) Left Unbalanced Output Level Socket.
- (11) Right Unbalanced Output Level Socket.
- (12) Left Input Level Socket: Mixed used for balanced and unbalanced input.
- (13) Right Input Level Socket: Mixed used for balanced and unbalanced input.
- (14) DC Power Input Socket: To connect 15V DC power input Socket. Connect the center pole of the jack to positive voltage.

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4. Operating MI-808T :

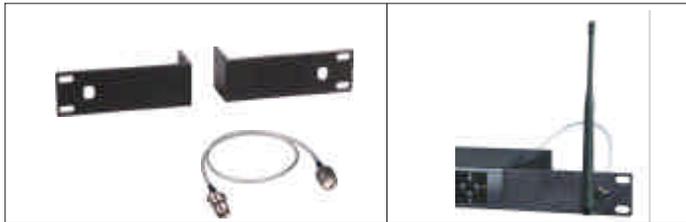
1.Installation of Antenna

Install coaxial cable on the transmitter will reach the best transmission effects but it must notice frequency consistency for both antenna and transmitter.



2.Installation of Front Antenna

Select FB-71 Rack mount kit, use one end to connect with output socket of transmission signal and the other end connect with transmission antennas. The transmission effect will enhance if install antennas in front of the panel.



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3.Installation of Power Supply

Connect output end of DC 12V~15V/1A power supply with input socket of AC power of transmitter. To avoid the fall off of DC plug accidentally, getting through linking cable from fix hole and then fasten it.

4.Turn on the transmitter

When turn on the power switch, the green LCD display will be bright and show all information on it. Transmitter will output transmission signal if PLL circuit is locked.

5. Line-in Level input

It can select stereo or mono Lin-in input, the signal will input from AF IN of right side. It can select XLR-3 balanced input jack or 6.3mm unbalanced input jack. Because of compound socket, it is available for both type of jacks.

Cause:

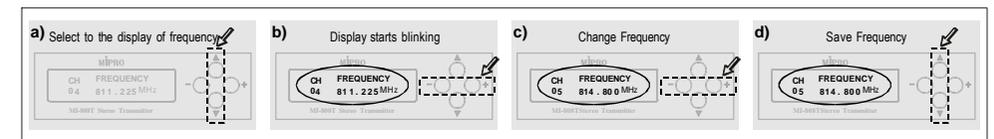
The strength level of signal input is LINE LEVEL. It must magnify the signal before input if MICPHONE LEVEL input is necessary, otherwise sensitivity is insufficient. Suggest to connect with monitor output jack of mixer.

6. Set up appropriate LINE LEVEL

The strength of LINE LEVEL input will show on two bar of LINE LEVEL list of left side. Adjust the strength of output appropriately to light up three lamps. The maximum of display of LINE LEVEL would not exceed four lights. When input strength exceeds the strength of four lights, the red light will light up; and then input signal should be limited and modulation should not increase. Therefore, adjust appropriate input strength to obtain the best dynamic range and S/N ratio and avoid signal distortion.

7. How to set up transmission frequency:

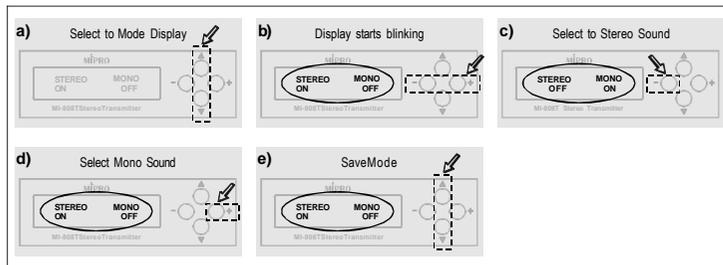
- Press up/down key, then LCD display would show preset frequency.
- Press left/right key and then LCD display will start blinking.
- Press left/right key to select desired frequency.
- Press up/down key to keep the LCD display fixed and then the selected frequency is updated and saved.



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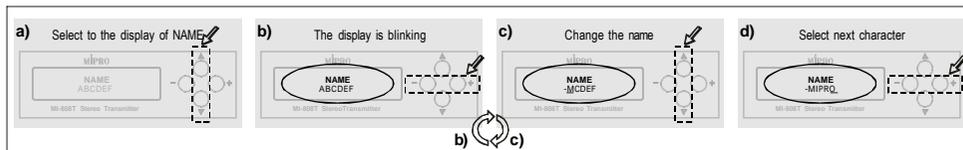
8. The operating to select Stereo and Mono sound

- Press up/down key to display STEREO/MONO ON/OFF.
- Press left/right key, then the display start blinking.
- Press left key and the STEREO will display the position of ON. It indicates the selecting of Stereo transmission.
- Press right key and MONO will display the position of ON. It indicates the selection of Mono transmission.
- Press up or down key then the display stops blinking. At this stage, the selecting is saved.



9. Setting Name

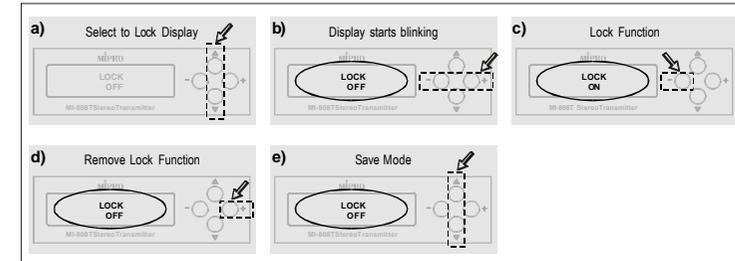
- Press up/down function key to display NAME on LCD display.
- Press left/right function key then the display will start blinking.
- Press up/down function key to set up alphabet or numerals.
- Press left/right function key to skip to setting of next character. Then finish the setting of 6 characters by duplicate operation.



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10. Setting of Lock Function

- Press up/down key to display Lock Function.
- Press left key, display will show LOCK ON, all setting is locked. Setting can't be changed before removing Lock function.
- Press right key, display will show LOCK OFF, Lock function is removable and allow to change each setting.



11. How to Monitor Sound Signal and Connect with Headphone

Plug stereo headphone into Headphone output socket (2) and use volume control to adjust the volume appropriately. It must adopt stereo connector of 6.3mm .

Caution:

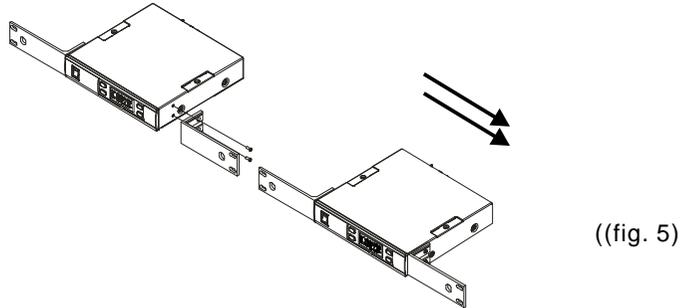
To protect your hearing, adjust the volume appropriately. The output of headphone will occur when volume is too loud.
The system will save and update current setting automatically once press none of the button in 5 seconds when blinking.

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13. Rack Installation of 2 Units of MI-808T

A) Single half-rack transmitter

Screw the fixed rack mount ear on Left and Right sides. Please see below illustration for correct assembly. (Fig. 5)

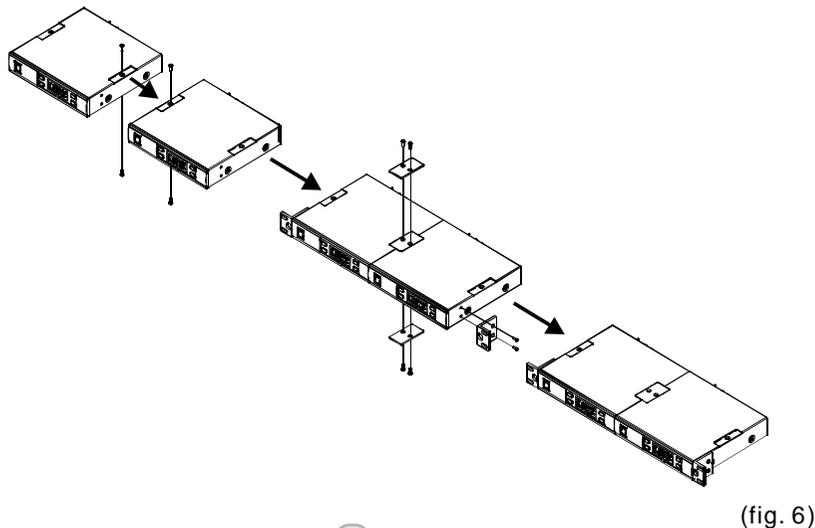


B) Dual half-rack transmitters

Remove the screws of top and bottom of the two transmitters counterclockwise.

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

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



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5. Important Notes :

1. Don't use same frequency band for both monitor and wireless microphone system when they work simultaneously.
2. It must use 50 coaxial cable to connect the transmission signal to external antennas. Avoid to use long cable exceeding 5 meters when use RG-58 or 3D cables.
3. It is better to maintain non-barrier sight distance between transmission antennas and receiver. This distance will shorten once there are too many barriers to absorb electric wave and objects.
4. When using DC power supply, please be aware of the operating voltage. Please make sure minimum of 12 volts can be obtained for function properly. However, the 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 the power source is from a regulated power with the minimum current of 500mA.

Notice :

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE:

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

