

MIPRO
Wireless Innovators

MI-808
Wireless In-ear Monitor System

*True Diversity, True Technology,
True Audio, True Performance.*



MI-808R Stereo Bodypack Receiver



Features:

1. UHF-band PLL Synthesized design.
2. Frequency agility over a 24MHz bandwidth, with 16 pre-programmed frequencies available with the touch of a single button.
3. Dual-antenna true diversity reception eliminating signal dropout and enhancing RF stability.
4. Dynamic expander circuitry delivers a S/N ratio greater than 90dB.
5. Stereo or mono audio output selectable with the touch of a single switch.
6. Bright numeric LED channel display with auto power saver.
7. POWER on/off and RF signal indicators.
8. Highly efficient power consumption circuitry ensures over 10 operating hours from two AA batteries.
9. Compact, lightweight and exceptionally durable magnesium alloy case.
10. Dual unbreakable soft antennas.

Specifications:

Frequency Range	614~870MHz
Bandwidth	24MHz
Oscillation Mode	PLL Synthesized
Channel Separation Interval	25KHz
Frequency Stability	±0.005% 0°C~+50°C
Modulation Mode	FM stereo modulation
Max. Deviation Range	±68KHz
Receiving Mode	Diversity receiving
Receiving Sensitivity	At 2µV input level, S/N>58dB (mono)
Squelch Level	Adjustable range between 2~100µV
T.H.D.	<0.5% (At maximum deviation range)
Maximum S/N Ratio	94 dBA
Frequency Response	80Hz~15KHz ±3dB
Stereo Separation	≥45dB
Output Jack	3.5mmφ stereo earphone jack
Output Power (32Ω)	2×50mW under 1KHz (THD 3%)
Earphone Impedance	≥16Ω
Power Supply	2 AA batteries
Current Consumption	130mA (under typical operating conditions)
Continuous Operating Hours	10 hours (using alkaline batteries under typical operating conditions)
Antenna	Fixed 1/2λ×2
Dimensions(mm/in.)	105/4.1(L)×65/2.6(W)×25.5/1(H)
Weight	105 g (3.7 oz)
Matching Transmitter	MI-808T
Operating Environment	-10 ~ 60°C



The Controls and Functions:

1. Power switch and volume control: Powers on/off and adjust earphone volume.
2. Stereo monitoring earphone jack: Connects to a monitoring earphone.
3. Power indicator: Indicates status of power.
4. Signal indicator: Indicates the receiving signal.
5. Left/right channel balance adjuster: Adjusts the volume on left/right channel.
6. Housing: Houses PCB and its accessories.
7. Numeric LED display: Displays working channel.
8. Working Channel Selector: Selects working channel and auto scan the whole pre-programmed channels.
9. Stereo/Mono Switch: Switches to stereo or mono(ComboMode™) audio output.
10. Output Level Limiting Switch: Setup the maximum output volume to protect user's eardrum.
11. Squelch Adjuster: Adjusts receiver's squelch level.
12. Antenna A & B: Fixed receiving antennas.
13. Battery cover: Covers two AA-size batteries after installed.
14. Belt clip: Conveniently to clip bodypack transmitter to the belt.

MI-808T Stereo Transmitter

Features:

1. Elegant multi-function LCD panel.
2. EIA standard half rack metal housing with rack ears.
3. XLR combo connector for balanced and unbalanced inputs.
4. Selectable mono or stereo operation.
5. UHF-band PLL Synthesized design.
6. Frequency agility over a 24MHz bandwidth, with 16 pre-programmed frequencies available.
7. Dynamic expander circuitry delivers S/N ratio greater than 90dB.
8. Built-in limiter circuitry eliminates distortion under excessive input levels.
9. Front panel monitoring headphone jack.



Specifications:

Model	MI-808T
Frequency Range	614~870MHz
Bandwidth	24MHz
Oscillation Mode	PLL-synthesized
Channel Separation Interval	25KHz
Frequency Stability	±0.005%, 0°C~+50°C
Modulation	FM stereo modulation
Output Power	Low:<10mW, High:<100mW
Spurious Rejection	<4nW
Maximum Deviation Range	±40KHz
Frequency Response	50~15,000Hz
T.H.D.	<0.5% (At maximum deviation range at 1 KHz)
Audio Input	line level×2 , XLR/6.3mmφ phone combo socket
Audio Output	6.3mmφ phone jack×2
Earphone Output	6.3mmφ stereo phone jack with adjustable volume
Earphone Output Impedance	≥16Ω
Amplifier Gain	N/A
Antenna Connector	TNC (50Ω impedance)
Dimensions(mm/in.)	210/8.3(L)×206/8.1(W)×44/1.7(D)
Weight(kg/lb)	1.1/2.4

The Controls and Functions:



1. Power Switch: Powers on/off.
2. Earphone Jack: Connects to a stereo earphone to monitor audio output signals.
3. Volume Adjustor: Adjusts the volume of stereo earphone.
4. Audio Input (L) and limiter indicator: Indicates audio signal strength on left channel.
5. Audio Input (R) and limiter indicator: Indicates audio signal strength on right channel.
6. LCD Panel: Displays all functions and setups.
7. Alternation Key: Alters system setup.
8. Function Key: Selects various display menus.
9. Transmitter Output Connector: Installs transmitting antenna.
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.

Earphones:

E-8S: Premium Model

1. Adjustable soft ear hook design for comfortable fit and invisibility.
2. High sensitivity 15mmφ diaphragms.
3. 1.5-meter ultra durable cable and exterior in beige.
4. Sensitivity >110dB.
5. Superb audio bandwidth and isolation.



E-8P: Professional Model

1. Adjustable soft ear hook design for comfortable fit and invisibility.
2. Ear canal design for easy earplug replacement.
3. Sub-miniature speaker design.
4. 1.5-meter ultra durable cable and exterior in beige.
5. Sensitivity >116dB.
6. Outstanding audio bandwidth and isolation.



Illustrations:



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