

# MIPRO

## MI-808

Wireless In-Ear Monitor System

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



# MI-808 Wireless In-Ear Monitoring System

The MI-808 in-ear monitoring system provides you with the latest design technology and performance for in-ear monitoring solutions for today's audio applications. Replacing traditional wired speaker monitoring equipment, the MI-808 has been designed with your needs in mind. It utilizes the latest in wireless RF technology, offering the best in interference-free and stable transmission with features that enhance the signal-to-noise ratio and dynamic range. The MI-808 provides you with true-to-life audio monitoring, making it perfect for professional stage, studio or broadcast applications.

The MI-808 system consists of one MI-808R stereo bodypack receiver and one MI-808T stereo transmitter. The features and specifications for these components follow.

## 1. MI-808R Stereo Bodypack Receiver

### Overview

The MI-808R is a professional UHF-band stereo bodypack receiver. Each receiver is frequency-agile over a 24 MHz bandwidth with 16 selectable pre-programmed non-interference frequencies. The MI-808R utilizes advanced dual-antenna true diversity technology that eliminates signal dropouts and enhances signal stability. These high quality receivers operate in user selectable mono or stereo output modes and feature a lightweight, exceptionally durable magnesium alloy case, making it your best choice for IEM systems in today's pro-audio applications.

### 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. Numeric LED channel display with auto power saver.
7. POWER on/off and RF signal indicators.
8. Highly efficient power consumption circuitry ensures long operating hours from two AA batteries.
9. Professional, lightweight and exceptionally durable magnesium alloy case.
10. Dual unbreakable soft antennas.



# Advancing the state of the art for In-Ear-Monitoring systems

## Controls and Functions:

1. Power switch and volume control
2. Ear bud monitor output jack
3. Power indicator LED
4. Signal indicator LED
5. Left/right channel balance control
6. Magnesium alloy housing
7. Numeric LED channel display
8. Channel auto scan and selection button
9. Mono/Stereo Switch
10. Output level limiting switch
11. Squelch level control
12. A & B receiving antennas
13. Battery cover
14. Belt clip



## Specifications:

Items	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
Maximum 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 dB
Frequency Response	80Hz~15KHz ±3dB
Stereo Separation	≥45dB (at 1KHz)
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	About 130mA (under moderate volume)
Continuous Operating Hours	8 hours (using alkaline batteries under typical operating conditions)
Antenna	Fixed 1/2λ×2
Dimensions	105 ( L ) × 65 ( W ) × 25.5 ( H ) mm 4.14" ( L ) × 2.56" ( W ) × 1" ( H )
Weights	105 g ( 3.7 oz )
Matching Transmitter	MI-808T
Operating Environment	From -10 to 60 °C

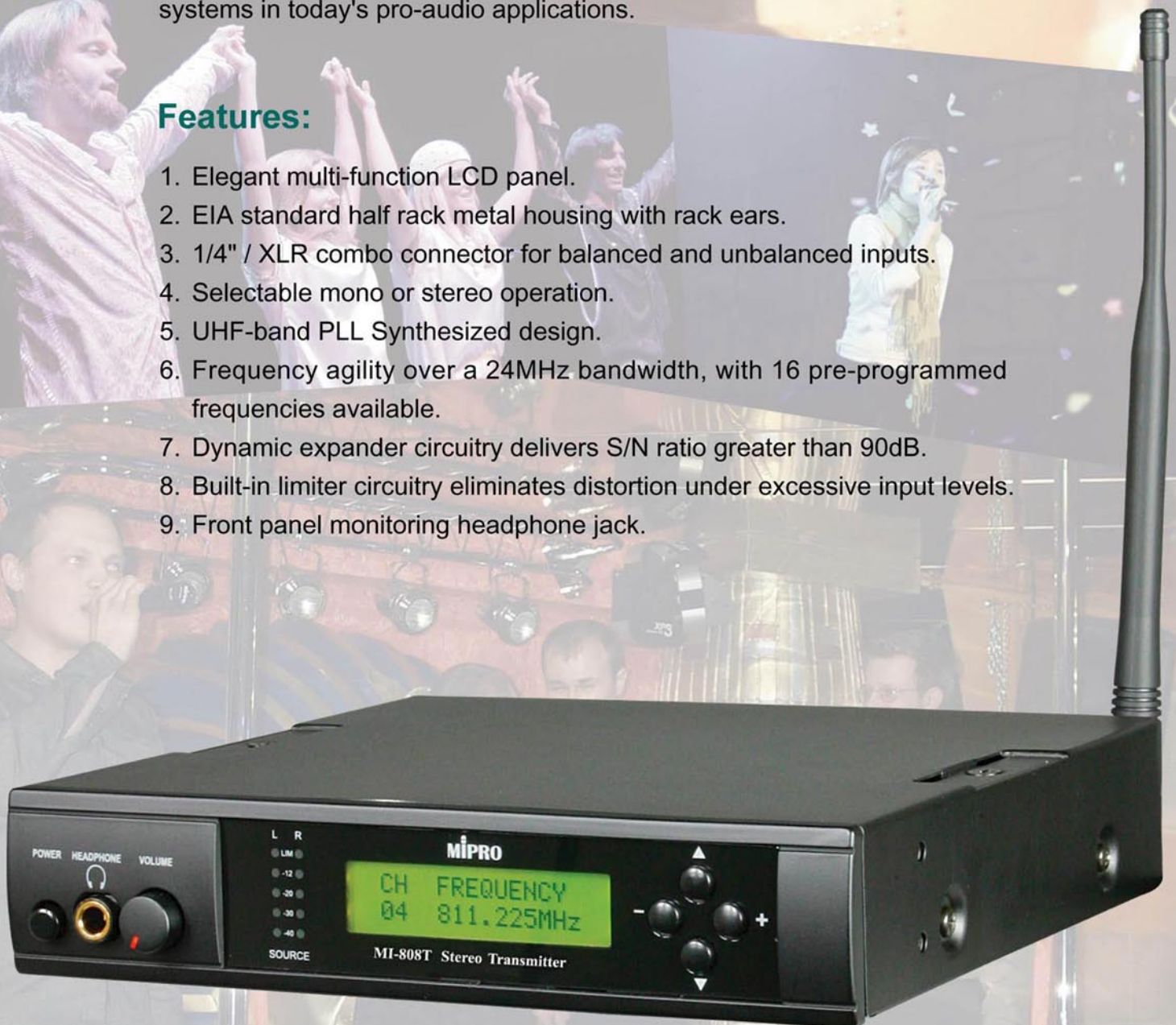
## 2. MI-808T Stereo Transmitter

### Overview

The MI-808T is a professional half rack UHF-band stereo transmitter. Each transmitter is frequency agile over a 24 MHz bandwidth with 16 selectable pre-programmed non-interference frequencies. The MI-808T utilizes advanced technology that adopts the latest in high-efficiency RF transmission design. These professional high quality transmitters include rack ears and are housed in a rigid metal enclosure. The MI-808T is your best choice for IEM systems in today's pro-audio applications.

### Features:

1. Elegant multi-function LCD panel.
2. EIA standard half rack metal housing with rack ears.
3. 1/4" / 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.





## Controls and Functions:

1. Power Switch.
2. Headphone Output connector jack.
3. Volume control.
4. Audio Input (L) and limiter level indicator.
5. Audio Input (R) and limiter level indicator.
6. LCD display panel.
7. Setup navigation keys.
8. System function keys.
9. Transmitter antenna output connector.
10. Unbalanced audio loop output jack (left channel).
11. Unbalanced audio loop output jack (right channel).
12. Audio input jack (left channel): 1/4" / XLR combo socket for balanced and unbalanced signal inputs.
13. Audio input jack (right channel): 1/4" / XLR combo socket for balanced and unbalanced signal inputs.
14. 15VDC power input.(center pole positive (+) voltage).

## Specifications:

Items	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
Pilotone Modulation Range	±4KHz
Output Power	Low: <10mW; High: <100mW ( 50Ω load )
Spurious Rejection	<4nW
Maximum Deviation Range	±40KHz
Frequency Response	50~15,000Hz
T. H. D.	<0.5% ( At maximum deviation range )
Audio Input	line level × 2 , XLR/6.3mmΦ (1/4") phone Combo Socket
Audio Output	6.3mmΦ(1/4") phone jack×2
Earphone Output	6.3mmΦ (1/4") stereo phone jack with adjustable volume≥16Ω
Earphone Output Impedance	≥16Ω
Current Consumption	~ 480 mA under high power output
Antenna Connector	TNC (50Ω impedance)
Dimensions	210 ( L ) × 206 ( W ) × 44 ( H ) mm 8.27" ( L ) × 8.11" ( W ) × 1.73" ( H )
Weight	1.1 Kg ( 2.42 lbs )
Operating Environment	From -10 to 60 °C

### 3. Earphones

MIPRO offers three styles of earphones to choose from to complete your system:

1. **Standard Model:** for PA, conference, and translation applications.
2. **Premium Model:** for stage audio monitoring.
3. **Professional Model:** for stage singing application.

Both premium and professional models are specially designed for high sensitivity, clear sound quality and wide frequency response. Because both models are designed for stage and live application, they are ergonomically designed to provide maximum comfort during your performance and have an adjustable ear hook design for snug, secure fit and invisibility. Features and specifications are listed below.

#### Standard Model:

1. High sensitivity 15mm $\phi$  diaphragms.
2. 1.5-meter ultra durable cable and exterior in beige or black.
3. Sensitivity >110dB.
4. Unbeatable cost / value ratio.



#### Premium Model:

1. Adjustable ear hook design for snug, secure fit and invisibility.
2. High sensitivity 15mm $\phi$  diaphragms.
3. 1.5-meter ultra durable cable and exterior in beige.
4. Sensitivity >110dB.
5. Superb audio bandwidth and isolation.



#### Professional Model:

1. Adjustable ear hook design for snug, secure 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.



# 4. Illustration:

Mixer



Output cable

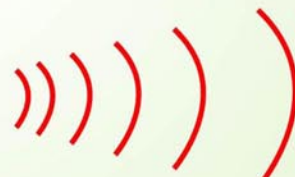


MI-808T



Earphones

Output cable



MI-808R

## State-of-the-art IEM System



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