

# Wireless Solutions for Stages & Language Interpretations



# Wireless In-Ear Monitoring Systems

Digital Stereo IEM System	2
Analog Stereo IEM System	4
IEM Accessories	6



# Digital Stereo IEM System

## Profile

1. MI-909 digital IEM system is used by musicians and audio engineers to hear a personal mix of vocals and stage instrumentation for live performance or recording studio mixing. It replaces the traditional floor monitors. Featuring digital crystal-clear sound quality, unparalleled RF reliability and digital encryption protection.
2. The key components of MI-909 include the MI-909R ultra-compact bodypack receiver and MI-909T rack transmitter and earphones.
3. MI-909R features dual-antenna digital diversity design enhances RF signal stability and extends transmission range. Ideal for stage performance and can also serve as a simultaneous language interpretation system for conferences requiring encrypted, secure audio transmission.
4. MI-909T operates in a 64 MHz wide bandwidth and allows multiple preset compatible channels operation. Delivering up to 100 mW output power, it has high dynamic range stereo audio inputs and 3 band  $\pm 9$  dB EQ settings for audio modifications.
5. Choice of standard or professional earphones.



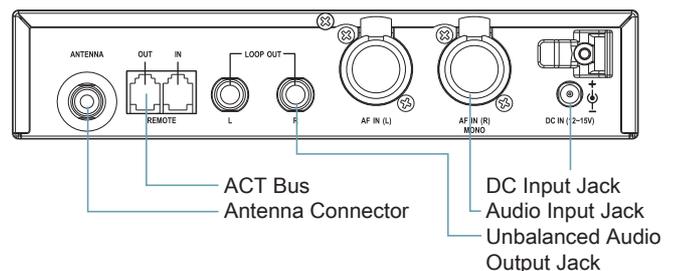
## MI-909R Digital Stereo Bodypack Receiver



## MI-909T Digital Stereo Transmitter



## Rear Panel



# Digital Stereo IEM System

## Features & Specifications

Model	MI-909R	MI-909T
Main Features	Industry's most compact and smallest housing. Featuring a lightweight, yet rugged, magnesium & glass-fiber reinforced plastic case for stage applications.	EIA-standard half-rack 19" metal case, LCD screen display, rotary control knob for advanced menu settings and dual audio LED indicator lockable front panel.
	Backlit LCD screen with superior features and advanced function settings.	Selectable encryption keys with scroll or static setting for single or multiple receivers.
	Dual-antenna digital diversity design enhances RF signal stability and extends transmission range.	Selectable HI, LOW or OFF (mute) output power.
	Dual unbreakable soft antennas.	High dynamic range, stereo audio inputs and able to withstand the maximum output levels of professional audio mixers.
	Selectable stereo, balanced, mono & mixed output modes.	Built-in DSP 3 band $\pm 9$ dB EQ settings for audio modifications.
	Selectable EQ settings.	Free Scan selects an open, interference-free transmitter frequency and ACT syncs the transmitter and receiver frequencies automatically.
	Fast and easy menu controls and indicators accessed by three buttons.	Ideal for professional multi-language interpretation system and installation applications.
Housing	Industry's smallest, lightweight magnesium & glass-fiber reinforced plastic case	Standard 1/2U rack-mountable metal case with rotary control knob
Display	Backlit LCD with superior features and advanced function settings	LCD with advanced function settings and dual LED stereo signals
Frequency Range	470 – 639 MHz, 705 – 960 MHz (country dependent)	
Bandwidth	64 MHz	
Preset Frequency	12 non-interference compatible frequencies in group 1-10. 16 non-interference compatible frequencies in group 11-16.	
Frequency Response	20 Hz – 15 kHz (stereo)	
Stereo Separation	> 95 dB	
Max. S/N Ratio	95 dBA (stereo)	
T.H.D	< 0.1% @ 1 kHz	
Modulation Type	Digital modulation	
Spurious Emissions	< 4 nW	
Operating Temperature	-10°C – +60°C	
Sensitivity	10 $\mu$ V input level, S/N > 90 dB (stereo)	N/A
Earphone Output Jack	3.5 mm stereo earphone jack, Left / Right $\times$ 120 mW @ 16 $\Omega$	6.3 mm (1/4") stereo phone jack with volume control
RF Output Power	N/A	Low < 10 mW, High < 100 mW switchable (country dependent)
Audio Input Jack	N/A	2 $\times$ Combination XLR and 6.3 mm (1/4") TRS
Audio Output Jack	N/A	2 $\times$ 6.3 mm (1/4") TRS
Dimensions (W $\times$ H $\times$ D)	63 $\times$ 82 $\times$ 23 mm / 2.6 $\times$ 3.2 $\times$ 0.9 "	210 $\times$ 44 $\times$ 206 mm / 8.3 $\times$ 1.7 $\times$ 8.1 "
Net Weight	Approx. 93 g / 3.3 oz	Approx. 1.1 kg / 2.4 lbs
Power Supply	2 AA alkaline for about 8 hours standby time	12 – 15 V DC
Accessory	E-8S or E-8P earphones	N/A
Note	Refer to actual product in the event of product discrepancy.	

## Illustrations



# Analog Stereo IEM System

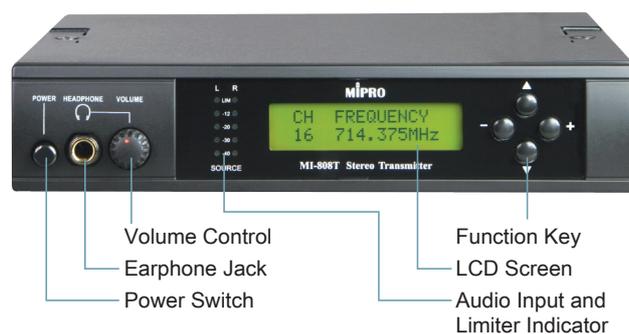
## Profile

1. MI-808 IEM system is used by musicians and audio engineers to hear a personal mix of vocals and stage instrumentation for live performance or recording studio mixing. Featuring crystal-clear sound quality and unparalleled RF reliability.
2. The key components of MI-808 include the MI-808 bodypack receiver and MI-808T rack transmitter and earphones.
3. MI-808R features dual-antenna diversity design enhances RF signal stability and extends transmission range. Ideal for stage performance and can also serve as a simultaneous language interpretation system.
4. Choice of standard or professional earphones.

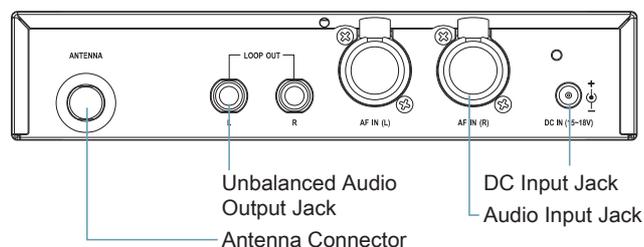
## MI-808R Stereo Bodypack Receiver



## MI-808T Stereo Transmitter



## Rear Panel



# Analog Stereo IEM System

## Features & Specifications

Model	MI-808R	MI-808T
Main Features	UHF PLL Synthesized circuit.	
	16 preset channels in 24 MHz band, selectable via one button.	
	Mono and Stereo operating modes.	
	Dynamic expander circuitry delivers an S/N ratio greater than 90 dB.	
	Dual-antenna true diversity technology for optimal reception.	Balanced and unbalanced combo jack.
	POWER on/off and RF signal indicators.	Built-in level limiter prevents distortion at the maximum input level.
	2 AA batteries and high efficiency circuitry for long continuous use.	Monitoring headphone jack.
	Multi-language interpretation system application has simple interface for easy operation.	
Housing	Rugged, lightweight magnesium alloy construction	Standard 1/2U rack-mountable metal case
Display	Numeric LED	LCD with advanced function settings
Frequency Range	620 – 874 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Frequency Response	80 Hz – 15 kHz	
Stereo Separation	≥ 45 dB @ 1 kHz	
Max. S/N Ratio	94 dBA	
T.H.D	0.1% @ 1 kHz	
Modulation Type	FM stereo modulation	
Spurious Emissions	< 4 nW	
Operating Temperature	-10°C – +60°C	
Sensitivity	2 μV input level, S/N > 58 dB (mono)	N/A
Earphone Output Jack	3.5 mm stereo earphone jack, Left / Right × 50 mW @ 32 Ω , 1 kHz	6.3 mm (1/4") stereo phone jack with volume control
RF Output Power	N/A	Low < 10 mW, High < 100 mW switchable (country dependent)
Audio Input Jack	N/A	2 × Combination XLR and 6.3 mm (1/4") TRS
Audio Output Jack	N/A	2 × 6.3 mm (1/4") TRS
Dimensions (W × H × D)	65 × 105 × 25.5 mm / 2.6 × 4.1 × 1 "	210 × 44 × 206 mm / 8.3 × 1.7 × 8.1 "
Net Weight	Approx. 115 g / 4.1 oz	Approx. 1.1 kg / 2.4 lbs
Power Supply	2 AA alkaline for about 8 hours standby time	12 – 15 V DC
Accessory	E-8S or E-8P earphones	N/A
Note	Refer to actual product in the event of product discrepancy.	

## Illustrations



# Accessories

## Profile

1. The E-8S earphones provide outstanding sound quality and excellent isolation to suppress high ambient noise levels. They feature an 8 mm dynamic driver with a 20 Hz – 20 kHz frequency response and can be fitted with any of the three provided earbud covers for a custom fit and comfort.
2. The E-8P professional earphones are designed for stage monitoring. They deliver full-range sound and are ergonomically built with an adjustable ear hook design for a comfortable, personalized fit and invisibility.

## E-8S Standard Earphones



## E-8P Professional Earphones



## Specifications

Model	E-8S	E-8P
Application	Regular Stages	Professional Stages
Main Features	<ul style="list-style-type: none"> <li>• 8 mm high efficient driver.</li> <li>• In-ear, closed-back design with S/M/L earbud covers.</li> <li>• 1.5 meter rugged cable.</li> <li>• 3.5 mm gold-plated stereo connector.</li> <li>• 106 dB SPL/mW.</li> <li>• 16 Ω @ 1 kHz nominal impedance.</li> <li>• 20 Hz – 20 kHz frequency response.</li> <li>• Noise isolation &gt; 25 dB.</li> <li>• Approx. 16 grams (0.5 ounce) cable included.</li> <li>• Operating temperature -15° C to +60° C.</li> </ul>	<ul style="list-style-type: none"> <li>• Ear canal design for easy earplug placement.</li> <li>• Subminiature balanced armature drivers.</li> <li>• 1.5 meter ultra durable cable and exterior in beige.</li> <li>• 3.5 mm gold-plated stereo connector.</li> <li>• Sensitivity &gt; 116 dB (1 kHz).</li> <li>• &gt; 125 dB SPL (1 kHz).</li> <li>• 30 Ω @ 1 kHz nominal impedance.</li> <li>• 35 Hz – 20 kHz frequency response.</li> <li>• Noise isolation &gt; 23 dB.</li> <li>• Approx. 18 grams (0.6 ounce) cable included.</li> <li>• Operating temperature -15° C to +60° C.</li> </ul>
Note	Refer to actual product in the event of product discrepancy.	



MIPRO Headquarters



**MIPRO Electronics Co., Ltd**

Headquarters : 814 Pei-Kang Road, Chiayi, 60096, Taiwan  
Tel : +886.5.238.0809 Fax : +886.5.238.0803  
www.mipro.com.tw mipro@mipro.com.tw