Ⅵ. MR Series Fixed Frequency Wireless Systems

A. Profile

Since 1996 MIPRO launched the first generation MR Series fixed frequency wireless systems, it has been the most popular and market-leading products. Over near two decades of customer experience and wireless technology improvement, now this series has been upgraded to the third generation. The latest MR series has UHF PLL fixed frequency circuit and LED indicators for RF and AF signal meters. The transmitter fits with the latest microphone capsule modules to deliver the premium sound quality. It's quick to install and easy to operate with high reliability and affordability. The new MR-814 quad-channel receiver is introduced for multi-channel option.

B. System Composition

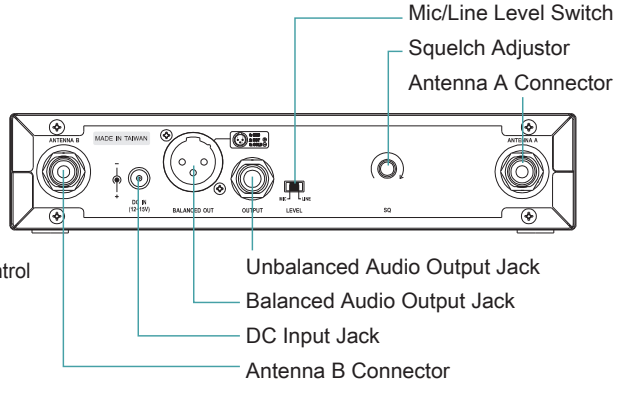
Receivers	Handheld Transmitter	Rechargeable Handheld Transmitter
MR-814	MH-80	MT-801
MR-823		
MR-812		
MR-811		
MR-818		

C. Receivers

1. MR-818 Single-Channel True Diversity Receiver

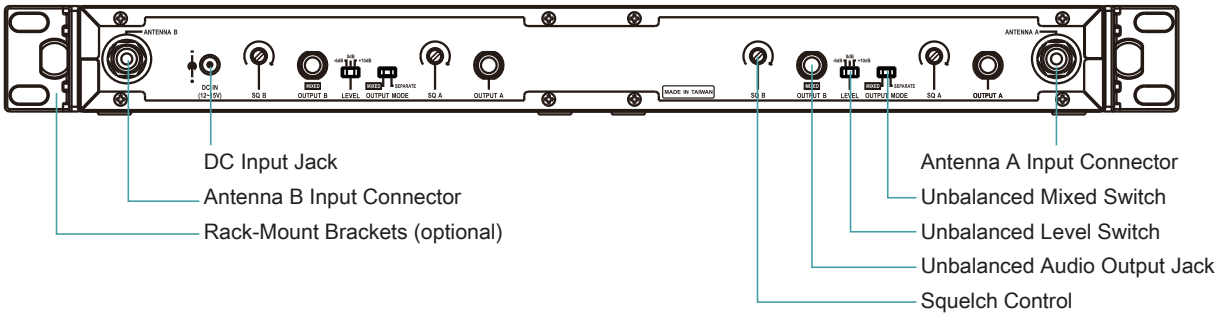


Rear Panel

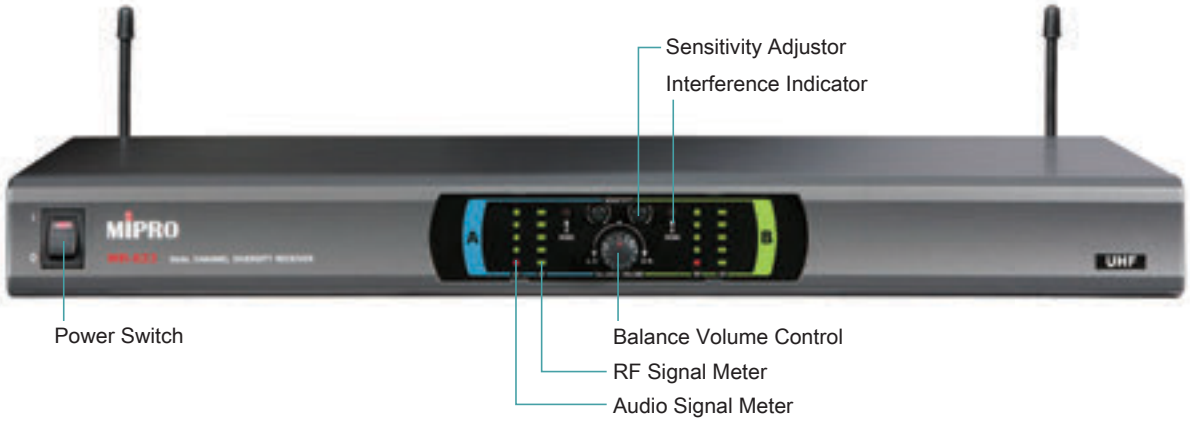


2. MR-814 Quad-Channel Diversity Receiver

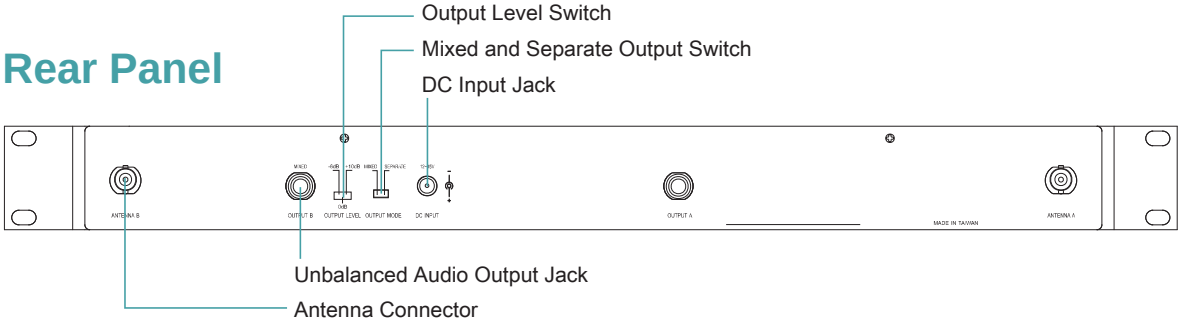




3. MR-823 Dual-Channel Diversity Receiver



Rear Panel

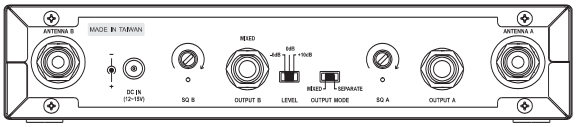


4. MR-812

Dual-Channel Diversity Receiver



Rear Panel

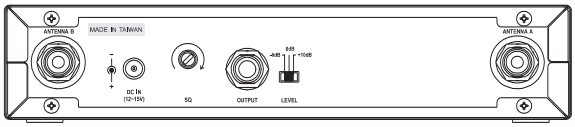


5. MR-811

Single-Channel Diversity Receiver



Rear Panel



Main Features & Specifications

Model	MR-814	MR-823	MR-812	MR-811	MR-818
Channel	Quad	Dual		Single	
Chassis	EIA Standard 19 " 1U metal chassis		EIA Standard 19 " 1/2U metal chassis		
Receiving Mode	CPU diversity technology ensures stable signal quality and avoids signal drop-out.				True diversity receiving ensures optimal reception range.
Features	1. PLL synthesized fixed frequency circuit for stability and effortless frequency setup. 2. RF and audio level LED indicators. 3. Adjustable 'SQ' for increased or decreased sensitivity level for increased reception range or interference management. 4. Output level is accurately pre-adjusted to equal the microphone capsule sensitivity and ensures optimal performance.				
Frequency Range	UHF 480 ~ 934 MHz				
Oscillation Mode	PLL Synthesized fixed-frequency. Frequency stability ≦ ± 0.005% (-10℃ – +60℃)				
Deviation	< ± 40 kHz				
Sensitivity	10 dB μ V at S/N > 80 dB				8 dB μ V at S/N > 80 dB
S/N Ratio	> 106 dB(A)				
T.H.D.	< 0.5% @ 1 kHz				
Frequency Response	50 Hz ~ 18 kHz				
Squelch	"PiloTone & NoiseLock" dual-squelch circuit				
Max. Output Level	3-Level Switch: +10 dBV / 0 dBV / -6 dBV				2-Level Switch: Line & Mic
Power Supply	12 ~ 15V DC, 1A				
Dimensions (W × H × D)	420 × 44 × 180 mm / 16.5 × 1.7 × 7.1 "		210 × 44 × 180 mm / 8.3 × 1.7 × 7.1 "		
Net Weight	Approx. 1.9 kg / 4.2 lbs	Approx. 1.7 kg / 3.7 lbs	Approx. 0.95 kg / 2.1 lbs	Approx. 0.8 kg / 1.7 lbs	Approx. 0.9 kg / 2.0 lbs
Transmitter	MH-80, MT-801				
Note	Refer to actual product in the event of product discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.				

D. Transmitters

1. MH-80
Handheld Transmitter



2. MT-801
Bodypack Transmitter



Main Features & Specifications

Model	MH-80	MT-801
Type	Handheld transmitter	Bodypack transmitter
Housing	Rugged plastic housing	Rugged plastic housing
Features	Impact-resistant battery compartment is integrated with the housing. Interchangeable colored rings for microphone channel identification. Interchangeable capsule module with premium condenser or dynamic options for easy and fast changeovers.	Lightweight, compact size with sturdy plastic housing. Headworn and lavalier microphone options.
	High dynamic range modulation circuit sustains high SPL without distortion.	
Frequency Range	UHF 480 ~ 934 MHz (country dependent)	
Oscillation Mode	Fixed frequency with PLL synthesized technology for effortless frequency setup.	
Bandwidth	Fixed-frequency	
RF Output Power	10 ~ 30 mW (country dependent)	
Spurious Emissions	< -55 dBc	
Display	LED indicator for power on/off and low battery status.	
Max. Input Level	140 dB SPL	0 dBV
Dimensions	51 × 234 mm / 2 × 9.2 " (Ø × L)	63 × 105 × 21 mm / 2.5 × 4.1 × 0.8 " (W × H × D)
Net Weight	Approx. 199 g / 7 oz	Approx. 75 g / 2.6 oz
Battery	2 × AA alkaline	
Operating Time	Min. 17 hours	
Note	Refer to actual product in the event of product discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	