

INNOVATION • PERFORMANCE • AFFORDABILITY



Receiver Specifications

Models	MR-823 III	MR-123 III	MR-801a	MR-515
Main Frame Size	EIA Standard 19" 1-rack unit		EIA Standard 19" 1/2-rack unit	
Frequency Range	UHF 770~934MHz	VHF 162~250MHz	UHF 780~934MHz	VHF 162~250MHz
Receiving Mode	CPU-controlled Dual Antenna-Diversity		True Diversity	Non-Diversity
Oscillation Mode	PLL Synthesized (Fixed)	Quartz Controlled Fixed	Quartz Controlled Fixed	Quartz Controlled Fixed
Stability	±0.005% (-10~50°C)			
Sensitivity	S/N>75dB@10dBμV input			
Max. Deviation Range	±68KHz	±22KHz	±68KHz	±22KHz
S/N Ratio	>105dB(A)			
T.H.D.	<0.5% @ 1KHz			
Frequency Response	60Hz~18KHz equipped high-pass filter circuitry			
Squelch Control	Dual "Pilotone & NoiseLock"		NoiseLock	
Volume Output	Output level accurately pre-adjusted to match microphone capsule sensitivity.			
Max. Output Level	Three Options: +10dBV / 0dBV / -6dBV		Mic-Level : -14dBV/47Ω Line-Level : -4dBV/5KΩ	Three Options: +10dBV / 0dBV / -6dBV
Power Supply	External AC Power Supply, 12~15V DC, 1A	External AC Power Supply, 12~15V DC, 0.5A		
Dimensions	420(W) × 44(H) × 204(D) mm / 16.5(W) × 1.7(H) × 8.0(D) in.		210(W) × 44(H) × 170(D) mm / 8.3(W) × 1.7(H) × 6.7(D) in.	
Weight	Approximate 1.7 Kg / 3.7 lbs.		Approximate 0.65 Kg / 1.4 lbs.	Approximate 0.6 Kg / 1.3 lbs.
Transmitters	MH-801a / MT-801a	MH-203a / MT-103a	MH-801a / MT-801a	MH-203a / MT-103a
Note	Varies specifications on carrier frequency range and maximum deviation to comply with regulations of different countries.			

Transmitter Specifications

Models	MH-801a	MH-203a	MT-801a	MT-103a
Oscillation mode	PLL Synthesized (Fixed)			
Frequency Range	UHF 770~934MHz	VHF 162~250MHz	UHF 770~934MHz	VHF 162~250MHz
RF Output Power	10mW (country dependant)			
Spurious Emission	<-55dBc	<-45dBc	<-55dBc	<-45dBc
Max. Deviation	±68KHz	±22KHz	±68KHz	±22KHz
Max. Input Level	140dB SPL		0dBV	
Microphone Capsule	Optional MU-72(condenser) / MU-32(dynamic)		MU-53L/55L and MU-53HN/55HN	
Battery	AA x 2 (Alkaline)			
Battery Hours	22 Hours			
Dimensions	50(Φ) × 235(L) mm / 2.0(Φ) × 9.3(L) in.		63(W) × 105(H) × 21(D) mm / 2.5(W) × 4.1(H) × 0.8(D) in.	
Weight	Approximate 210 g / 7.4 oz.		Approximate 90 g / 3.2 oz.	
Patents & Approvals	Products carry various patents and comply with telecommunication and safety regulations.			
Note	Varies specifications on carrier frequency range and maximum deviation to comply with regulations of different countries.			

Optional Accessories

<p>FB-10</p>  <p>Rack-mount kit for 1 MR-823 III / MR-123 III</p>	<p>FB-11</p>  <p>Rack-mount kit for 1 MR-801a or MR-515</p>	<p>FB-12</p>  <p>Rack-mount kit for 2 MR-801a or MR-515 side-by-side</p>	<p>FB-30</p>  <p>Front Mount Antenna kit for 1 MR-823 III / MR-123 III</p>
<p>RH-77</p>  <p>Multi-color ID rings for MH-801a / 203a. Set of 10 in different colors.</p>	<p>SW-20</p>  <p>Windscreens for MH-801a / MH-203a. Set of 2 in same color</p>	<p>MU-40G</p>  <p>Instrument Cable</p>	<p>MD-20</p>  <p>Microphone Holder</p>

UHF



MR-823 III Diversity Receiver



MR-801 a True Diversity Receiver



MT-801 a
Bodypack Transmitter



MH-801 a
Handheld Transmitter

Lavalier Microphones



MU-53L
Uni-Directional
50Hz - 18KHz



MU-53LS
Uni-Directional
50Hz - 18KHz



MU-55L
Omni-Directional
40Hz - 20KHz



MU-55LS
Omni-Directional
40Hz - 20KHz

VHF



MR-123 III Diversity Receiver



MR-515 Receiver



MT-103 a
Bodypack Transmitter



MH-203 a
Handheld Transmitter

Headworn Microphones



MU-53HN
Uni-Directional
50Hz - 18KHz



MU-53HNS
Uni-Directional
50Hz - 18KHz



MU-55HN
Omni-Directional
40Hz - 20KHz



MU-55HNS
Omni-Directional
40Hz - 20KHz

New Innovative Features MR-823 III / MR-123 III

► New Panel Design

Modern appearance in silver-gray color.

► Noise Indicator and Sensitivity Adjustor

Industry first "Noise" indicator to detect presence of noise interference. Interference can be managed by adjusting the Sensitivity level.

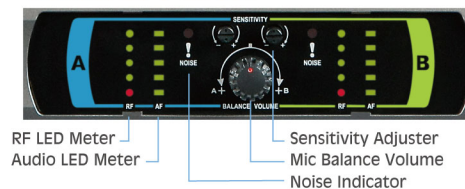
► Volume-free Design

The system's default output level is accurately pre-adjusted to match the microphone capsule sensitivity. Therefore, users don't need to adjust the volume of receiver and can operate the system easily, as if it were a wired microphone.

► Upgraded Microphone Capsule

Improved high-quality condenser capsule exhibits clear and warm sound, wide frequency response with extremely low handling noise characteristic

Control Panel



RF LED Meter
Audio LED Meter
Sensitivity Adjuster
Mic Balance Volume
Noise Indicator

Common Features

- PLL synthesized, fixed frequencies in UHF or VHF band.
- Diversity technology ensures extended and reliable reception range (except MR-515)
- Rugged rack-mountable metal receiver chassis.
- Pilotone & NoiseLock™ circuit deters interference.
- RF and audio meters for easy monitoring.
- Low-battery warning indicator.
- Extremely long battery operating life (22 hours).
- Large, multiple compatible systems are available.
- Easy to set-up and use.
- Excellent price/performance ratio.

Ideal Applications

- Small stages, clubs
- DJ
- Karaoke
- Schools
- Places of worship
- Corporate Presentation
- Aerobics / Fitness
- Working musicians
- Bingo