



MX 02-B	2 Channel - Wireless Microphone System - Headset Microphone
MX 04-B	4 Channel - Wireless Microphone System - Headset Microphone
MX 08-B	8 Channel - Wireless Microphone System - Headset Microphone



The MX-B Series is designed for hands-free wireless communication in dynamic public environments. Featuring high-performance headset microphones and compact bodypack transmitters, it is well-suited for transportation hubs, large retail complexes, and facilities requiring clear, mobile instructions. Available in 2, 4, or 8-channel versions, it utilizes UHF band with advanced DPLL technology,

delivering up to 200 channels of interference-free audio. Infrared auto-channel tracking and system lock ensure smooth synchronization and reliable operation. With XLR and 6.3mm outputs for system integration and an operating range of 80 meters, the MX-B Series provides flexibility and consistency for PAVA applications where clarity and mobility matter most.

- Headset microphone for hands-free wireless communication in dynamic public environments.
- Available in 2, 4, or 8-channel configurations for scalable PAVA system integration.
- Unidirectional headset microphone with $-47\text{dB} \pm 2\text{dB}$ sensitivity, 45Hz–18kHz frequency response.
- $\leq 58\text{dB}$ SNR with $\geq 2.2\text{k}\Omega$ output impedance and 1m cable length.
- Bodypack transmitter: UHF 640.250–690MHz with PLL frequency synthesis technology.
- 200 selectable channels with DPLL technology for stable, interference-free operation.
- $\pm 45\text{kHz}$ maximum deviation, $< 45\text{dBm}$ harmonic radiation above main wave.
- 10mW/40mW RF power output with 3-pin mini XLR socket input.
- 2×AAA battery with ~11 hours battery life, 110mA typical current consumption.
- Auto-channel tracking and system lock for uninterrupted hands-free communication.
- 84×66×23mm bodypack dimensions, ~155g weight (without battery); 80-meter operating distance.
- Flexible XLR and 6.3mm outputs for seamless PAVA system integration.
- Ideal for transportation hubs, large retail complexes, and facilities requiring mobile instructions.



MX 02-B



MX 04-B



MX 08-B



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Technical Specification (MX Receiver)

	MX 02-B	MX 04-B	MX 08-B
Operating Frequency	UHF 640.250MHz-690MHz (usable frequencies depend on local regulations e.g 800-850MHz)		
Modulation Mode	Wideband FM		
Channel Count	200		
Frequency Stability	±0.005%		
Dynamic Range	100dB		
Deviation	±45kHz		
Signal-to-Noise Ratio	>105dB		
Total Harmonic Distortion	≤0.5%		
Operating Distance	80m (ideal conditions)		
Operating Temperature	-10°C~+50°C		
Receiver Type	Dual Conversion Superhetrodyne		
Intermediate Frequency	1st IF: 110MHz, 2nd IF: 10.7MHz		
Antenna Input	2 x BNC / 50Ω	4 x BNC / 50Ω	8 x BNC / 50Ω
Sensitivity	12dB V (80dB S/N)		
Sensitivity Adjustment Range	12-32dB V		
Spurious Suppression	≥75dB		
Audio Output Level	+10dBV		
Audio Output Connectors	2 x XLR balanced, 6.3mm unbalanced	4 x XLR balanced, 6.3mm unbalanced	8 x XLR balanced, 6.3mm unbalanced
Power Supply	220VAC/50-60Hz, 12VDC/1A		
Operating Current	DC 12V, 330mA		
Weight	Approx. 1.4Kg	Approx. 1.8Kg	Approx. 2.3Kg

Technical Specification (Lavalier & Headset Microphone)

	MX 02-B / MX 04-B / MX 08-B
Microphone Type	Headset Microphone
Color	Black
Pickup Pattern	Unidirectional
Sensitivity	-47dB±2dB
Output Impedance	≤2.2K Ω
Signal-to-Noise Ratio	≥58dB
Microphone Size	Dia. 6.0 X 5.0mm
Frequency Response	45Hz~18KHz
Supply Voltage	2~10V.DC
Cable Length	1m
Body Pack Transmitter	
Carrier Frequency Range	UHF 640.250MHz~690MHz
Oscillation Mode	PLL Frequency Synthesis Technology
Harmonic Radiation	Less than 45dBm above main wave
Maximum Deviation	±45KHz
Input Socket	3-pin mini XLR socket
RF Power Output	10MW/40MW
Battery	AAx2
Current Consumption	110mA (typical)
Battery Life	Approx. 11 hours
Dimensions (mm)	84 (H) x 66 (W) x 23 (D)
Weight (without battery)	Approx. 155g