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|----------------|-------------------------------------------------------------|
| <b>MX 02-D</b> | 2 Channel - Wireless Microphone System - Headset Microphone |
| <b>MX 04-D</b> | 4 Channel - Wireless Microphone System - Headset Microphone |
| <b>MX 08-D</b> | 8 Channel - Wireless Microphone System - Headset Microphone |



The MX-D Series offers a refined wireless desktop microphone solution tailored for conference halls, control rooms, and boardrooms within public address and emergency communication networks. Available in 2, 4, or 8-channel configurations, it features supercardioid condenser microphones for precise speech capture and a 420mm replaceable mic rod for flexibility. The desktop base includes a 2-inch color screen and Type-C charging for

modern convenience. Operating on UHF with advanced DPLL technology, the MX-D Series delivers interference-free reliability with 200 selectable channels, infrared auto-channel tracking, and system lock. With a pickup distance of 1.5 meters and an 80-meter operating range, the MX-D Series integrates seamlessly into PAVA systems to ensure clear, authoritative communication in critical environments.

- Wireless desktop microphone available in 2, 4, or 8-channel configurations for scalable systems.
- Supercardioid condenser microphone with -46dBV/Pa sensitivity for precise speech capture.
- 80Hz–16kHz frequency response with 1.5-meter pickup distance for conference hall applications.
- 100dB maximum SPL (THD>3%), >80dB SNR, <0.1% THD for clear audio reproduction.
- 1kΩ microphone input impedance with >70dB crosstalk rejection and >80dB dynamic range.
- 420mm replaceable mic rod (black) for flexible positioning and easy maintenance.
- 2-inch color screen display on desktop base for intuitive operation and status monitoring.
- UHF operation with DPLL technology, 200 selectable channels, infrared auto-channel tracking.
- Type-C charging port with dual power options: battery or direct power supply.
- 3×1.5V battery (1200mAh): 10-hour speaking time or 12-hour continuous use capability.
- 160×110×60mm desktop base dimensions, 4W maximum power consumption.
- IEC60914 compliance; 80-meter operating range for reliable PAVA system integration.



MX 02-D

2 Units



MX 04-D

4 Units



MX 08-D

8 Units



|                |                                                             |
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Technical Specification (MX Receiver)

|                              | MX 02-D                                                                                  | MX 04-D                            | MX 08-D                            |
|------------------------------|------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Operating Frequency          | UHF 640.250MHz-690MHz<br>(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 (Desktop Microphone)

|                            | MX 02-D / MX 04-D / MX 08-D                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------|
| Microphone Type            | Supercardioid Condenser                                                                          |
| Frequency Response         | 80Hz-16kHz                                                                                       |
| Microphone Input Impedance | 1KΩ                                                                                              |
| Sensitivity                | -46dBV/Pa                                                                                        |
| Maximum SPL                | 100dB (THD>3%)                                                                                   |
| Signal-to-Noise Ratio      | >80dB (A)                                                                                        |
| Crosstalk                  | >70dB                                                                                            |
| Dynamic Range              | >80dB                                                                                            |
| THD                        | <0.1%                                                                                            |
| Maximum Power Consumption  | 4W                                                                                               |
| Pickup Distance            | 1.5 meters                                                                                       |
| Compliance                 | IEC60914                                                                                         |
| Power Supply               | Battery powered / Type-C charging port direct power supply                                       |
| Display Screen             | 2-inch color screen                                                                              |
| Mounting Method            | Desktop                                                                                          |
| Dimensions (W, D, H)       | 160 x 110 x 60mm (excluding mic rod)                                                             |
| Mic Rod Length             | 420mm replaceable mic rod (black)                                                                |
| Battery                    | 3 x 1.5V batteries, 1200mAh capacity, continuous 10-hour speaking time or 12-hour continuous use |