EZD.Mi1/Mi2/Mi4 | UHF TRUE DIVERSITY DIGITAL WIRELESS MICROPHONE SYSTEM



The EZD.MI Series is a newly upgraded high-performance wireless audio solution from Relacart. Featuring a sleek design and plug-and-play operation, it significantly reduces complexity for users, making it suitable for diverse application scenarios.
Built with Relacart Digital Wireless Technology and multiple diversity techniques, the system ensures stable signal transmission and reliable performance, eliminating concerns over signal loss.
Equipped with a high-performance processing chip and proprietary digital algorithms, the system delivers a wide frequency response of 30Hz–20kHz, accurately reproducing vocal details with clarity and fidelity. It achieves an outstanding signal-to-noise ratio of >100dB and total harmonic distortion of <0.1% @1kHz, ensuring clean, distortion-free audio output.
Ideal for applications ranging from home entertainment and personal performances to commercial events and conference settings.

Key Features

User-Friendly Operation

- The system features an intuitive operation logic, allowing users to quickly set up and use it without the need for professional technical assistance. This significantly reduces the complexity of system configuration while catering to needs such as home entertainment and personal performances.

High Compatibility

- With an ultra-wide bandwidth of 64MHz—broader than most comparable products on the market—the system supports simultaneous operation of up to 24 compatible units within this spectrum. This enables efficient utilization of frequency resources and provides ample frequency options even for large-scale events, making it easier to avoid interference.

High-Definition Audio

- Combining core hardware with anti-interference technology, the system delivers pure and accurate sound reproduction. Equipped with a high-performance processing chip and Relacart's proprietary anti-interference technology, it covers a wide frequency response range of 30Hz–20kHz. This ensures precise capture of vocal details across all ranges, from deep resonances to high-pitched nuances, reproducing transparent and crystal-clear high-fidelity audio.

Stability and Reliability

- The system offers an effective operating range of up to 100 meters in open environments. Even in large venues such as conference halls or outdoor performance spaces, it guarantees stable audio transmission without quality degradation or signal loss over long distances.

Strong Anti-Interference Capability

- Utilizing Relacart's digital wireless technology integrated with diversity and anti-interference mechanisms, the system enhances signal stability at the transmission level. It ensures continuous, uninterrupted audio even in complex environments, providing a reliable experience for prolonged events and meetings.

Clear Visual Indicators

- The receiver is equipped with multi-color indicators that correspond precisely to the screen colors of the paired transmitters. In multi-device setups or dimly lit environments, users can intuitively and quickly identify and match channel devices, significantly improving operational convenience.

Product Specification



EZD.Mi1

Single Channel Wireless Receiver



EZD.Mi2

Dual Channel Wireless Receiver



EZD.Mi4

Quad Channel Wireless Receiver

- The receiver offers a 64MHz bandwidth—wider than most comparable products on the market—and supports simultaneous operation of up to 24 compatible systems within this range. This enables efficient spectrum utilization and stable communication, with an effective operating range of up to 100 meters in open environments.
- Compatible with handheld, headset, and lapel microphones, the system adapts to various wireless needs.

Chassis Specification:	1U Half-Rack(EZD.Mi1) EIA Standard 1U(EZD.Mi2/Mi4)
Reception Method:	True Diversity Single-Channel Reception(EZD.Mi1) True Diversity Dual-Channel Reception(EZD.Mi2) True Diversity Quad-Channel Reception(EZ.Mi4)
Frequency Stability:	±0.005%
Carrier Frequency Range:	470MHz~936MHz
Operating Range:	100 meters (open area)
Modulation Method:	D-QPSK
Bandwidth:	64MHz (region-dependent)
Overall S/N Ratio:	>100dB
Total Harmonic Distortion (T.H.D.):	<0.1% @1kHz
Frequency Response:	30Hz–20kHz ±1dB
Operating Temperature Range:	-10℃ to 50℃
Power Supply:	DC 12V/1A
Antenna Interface:	Dual BNC, Supports +12V/150mA Output
Audio Output Interfaces:	6.3mm Unbalanced Audio Output, 2× XLR Balanced Audio Output
Dimensions (mm)EZD.Mi1:	205 (L) × 206 (W) × 43 (H)
Dimensions (mm)EZD.Mi2/Mi4:	410 (L) × 206 (W) × 43 (H)
Weight(Approx):	EZD.Mi1:1kg EZD.Mi2:2kg EZD.Mi4:2kg



EZD.H9

Wireless Handheld Microphone

- The EZD.H9 features a modern and stylish design, constructed with durable alloy for long-lasting use. Compatible with the EZD.MI Series Digital Wireless Microphone System, it integrates a high-quality dynamic microphone capsule with full digital transmission algorithms to deliver rich, clear audio.
- Powered by AA batteries and designed with an energy-efficient circuit, it offers an extended battery life of 8–10 hours. Ideal for a wide range of scenarios, including home entertainment, personal performances, commercial events, and conference environments.

Carrier Frequency Range:	470MHz ~ 936MHz
Harmonic Radiation:	>45dB below carrier
Bandwidth:	128MHz (region-dependent)
Modulation:	D-QPSK
Occupied Bandwidth:	250kHz
Transducer Type:	Dynamic
RF Output Power:	+13dBm
Battery:	2×AA
Current Consumption:	150mA (typical)
Battery Life:	Approx. 12 hours (alkaline)
Dimensions (mm):	Ø55 × 269 (L)



EZD.B8

Wireless Bodypack Transmitter

- The EZD.B8 is a rugged and durable bodypack transmitter designed for reliable performance. Its compact and lightweight construction allows comfortable waist-worn use or discreet placement under clothing. Compatible with the EZD.MI Series Digital Wireless Microphone System, it features a 3.5mm external microphone interface for connecting Relacart LM-P01 lapel microphones or HM-P06 headset microphones.
- Powered by two AA batteries with an energy-efficient design, it delivers 8–10 hours of continuous operation. Suitable for diverse scenarios including home entertainment, personal performances, commercial events, and conference environments.

Carrier Frequency Range:	470MHz ~ 936MHz
Harmonic Radiation:	More than 45dB below carrier
Bandwidth:	128MHz (region-dependent)
Modulation:	D-QPSK
Occupied Bandwidth:	250kHz
Audio Input:	3.5mm external microphone interface
RF Output Power:	+13dBm
Battery:	2×AA
Current Consumption:	150mA (typical)
Battery Life:	Approx. 12 hours (alkaline)
Dimensions (mm):	198 (H) × 52.5 (W) × 28 (D)