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› MELONARE MB-1 Wireless XLR Bluetooth Receiver User Manual

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MELONARE MB-1 Wireless XLR Bluetooth Receiver User Manual

Model: MB-1

INTRODUCTION

The MELONARE MB-1 Wireless XLR Bluetooth Receiver provides a high-fidelity, wireless audio solution for professional sound systems. This manual will guide you through the setup, operation, and maintenance of your device, ensuring optimal performance and seamless integration with your audio equipment.

WHAT'S IN THE BOX

- 2 x MELONARE MB-1 Wireless XLR Bluetooth Receivers
- 1 x 1-to-2 USB-C Charging Cable
- 1 x User Manual

What You Get

2 × Receiver 1 × 1-to-2 Charging Cable 1 × User Manual



Image: The MELONARE MB-1 package contents, showing two receivers, a dual USB-C charging cable, and the user manual.

KEY FEATURES

1. 150FT Bluetooth 5.3 Connection

Featuring advanced Bluetooth 5.3 technology, this XLR receiver offers a rock-solid wireless link with ultra-low latency. Enjoy smooth, uninterrupted audio playback with a transmission range of up to 150 feet (approximately 45 meters).

Bluetooth 5.3 – Stable Wireless Audio



Image: A MELONARE MB-1 receiver connected to a PA speaker, illustrating a stable Bluetooth 5.3 connection with a smartphone at a distance of 150 feet.

2. Extended 15-Hour Battery Life

With a built-in high-capacity 500mAh battery and energy-efficient Bluetooth protocols, this audio receiver delivers up to 15 hours of continuous use. This ensures long-lasting, uninterrupted performance for all-day concerts, conferences, or outdoor events.

Up to **15 Hours** of Continuous Playback



Image: A visual representation of the MELONARE MB-1 receiver's 500mAh battery, emphasizing its capacity for up to 15 hours of continuous audio playback.

3. High-Fidelity Audio Quality

This Bluetooth audio adapter features a high-performance 16-bit/48kHz DAC resolution and supports a wide range of audio formats including MP3, FLAC, AAC, and SBC. It streams crystal-clear, CD-quality sound with rich detail from your phone, PC, or tablet, ensuring a premium listening experience.

Superior Sound Quality

Enjoy CD-quality sound from your phone, PC, or tablet, with support for MP3, FLAC, AAC, SBC, and more.



Laptop



Tablet



Smartphone



16-bit/48kHz

DAC Resolution

>90 dB

Signal-to-Noise Ratio (SNR)

20-20 kHz

Frequency Range

>90 dB

Dynamic Range

Image: Two MELONARE MB-1 receivers plugged into a mixer, illustrating their capability to receive high-fidelity audio from various devices like laptops, tablets, and smartphones.

4. Flexible Mono/Stereo Modes

The MB-1 supports both mono and stereo audio modes. Use a single unit for clear, focused mono sound, or pair two units to enjoy immersive stereo with synchronized left and right channels. This flexibility enables seamless adaptation to various audio setups.

Flexible Audio Modes

Effortlessly choose mono or stereo for your perfect audio experience.

Mono

Use a single unit for clear and focused sound.



Stereo

Pair two units for immersive stereo with left and right channels.



Image: A comparison illustrating the setup for mono mode with a single MELONARE MB-1 receiver and stereo mode with two paired MB-1 receivers connected to a mixer.

5. Professional and Portable Design

The receiver features a standard gold-plated XLR male connector for enhanced conductivity and corrosion resistance. Its balanced output delivers noise-free, hum-free audio. The plug-and-play design connects directly to mixers, amplifiers, and stage speakers. Its compact size makes it easy to carry and connect anywhere.

Plug and Play



Image: A diagram demonstrating the plug-and-play connectivity of the MELONARE MB-1 receivers with professional audio equipment such as audio recorders, mixers, amplifiers, PA systems, and stage speakers.

SETUP INSTRUCTIONS

1. Charging the Device

Before initial use, fully charge the MB-1 receiver using the provided 1-to-2 USB-C charging cable. Connect the cable to the USB-C port on the side of the receiver and a standard USB power adapter (not included). The battery indicator light will show the charging status.

2. Power On/Off

To power on or off the MB-1 unit, long press the main power button for approximately 3 seconds. The indicator lights will illuminate upon powering on.

Your browser does not support the video tag.

Video: This video demonstrates how to power on the MELONARE MB-1 receiver and switch between mono and stereo modes.

3. Mono Mode Pairing

1. Turn on one MB-1 receiver. The Bluetooth (BT) indicator light will flash blue, indicating it is ready for pairing.

2. On your audio source device (e.g., smartphone, tablet, PC), enable Bluetooth and search for available devices. Select 'MB-1' from the list.
3. Once successfully connected, the Bluetooth indicator on the MB-1 will turn solid blue. You can now stream audio in mono.

4. Stereo Mode Pairing (Requires two MB-1 units)

1. Turn on both MB-1 receivers.
2. On each unit, tap the main power button to cycle through modes until the 'Stereo' indicator (green light) is active.
3. Quickly press the main power button on each unit twice. The units will attempt to pair with each other.
4. Once the two units are paired, one will act as the master (left channel) and the other as the slave (right channel). The Bluetooth indicator on the master unit will flash blue, ready for connection to your audio source.
5. Connect your audio source device to the master 'MB-1' unit via Bluetooth. The Bluetooth indicator will turn solid blue once connected.

OPERATING INSTRUCTIONS

Once paired, the MB-1 receiver will automatically connect to the last paired device when powered on, provided the device's Bluetooth is active and within range. Ensure your audio source's volume is set appropriately to avoid distortion or clipping in your connected audio equipment. Adjust the input gain on your mixer or speaker as needed for optimal sound levels.

MAINTENANCE

- Keep the device clean and dry. Use a soft, dry cloth for cleaning.
- Avoid exposing the unit to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to disassemble or modify the unit, as this will void the warranty and may cause damage.
- Store the device in a safe place when not in use to prevent physical damage.

TROUBLESHOOTING

Problem	Possible Solution
No sound output	Ensure the MB-1 is powered on and successfully paired (solid blue BT indicator). Check the volume level on your audio source device. Verify that the connected mixer or speaker input is active and its volume is adjusted. Confirm the MB-1 is securely plugged into the XLR input.
Cannot pair or maintain connection	Ensure the MB-1 is within the 150ft operating range of your audio source. Turn off and then on both the MB-1 and your audio source device. Forget the 'MB-1' device in your audio source's Bluetooth settings and attempt to re-pair. If pairing two units for stereo, ensure the stereo pairing steps are followed correctly.

Problem	Possible Solution
Static or interference in audio	<p>Move the MB-1 away from other wireless devices (Wi-Fi routers, cordless phones) or sources of electromagnetic interference.</p> <p>Ensure proper grounding of all connected audio equipment.</p> <p>Reduce the volume on your audio source to prevent input clipping on the mixer/speaker.</p>
Short battery life	<p>Ensure the unit is fully charged before use.</p> <p>Battery performance can naturally degrade over time with repeated charge cycles.</p>

SPECIFICATIONS

Feature	Detail
Brand	MELONARE
Model Number	MB-1
Connectivity Technology	XLR, Bluetooth 5.3
Audio Output Mode	Stereo, Mono
Battery Life	Up to 15 hours (500mAh)
DAC Resolution	16-bit/48kHz
Supported Audio Formats	MP3, FLAC, AAC, SBC
Transmission Range	Up to 150ft (45m)
Connector Type	Gold-plated XLR Male
Color	Black
UPC	810164760579

WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support, please visit the official MELONARE website or contact their customer service department directly. Keep your purchase receipt for warranty claims.