

MELONARE[®]

USER MANUAL

Portable Wireless In-Ear Monitor System

PM-2

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MELONARE is an audio solution provider dedicated to developing lifestyle affordable audio products for our users, from entertainment events to the home audio studio. Thank you for purchasing the **PM-2** Portable Wireless In-Ear Monitor System. This informative booklet provides a description of features and a step-by-step guide to operate this unit. Please read this manual carefully to answer any question about the operation. And please keep this manual available for future reference.

OVERVIEW

Box Content

- 1 x Wireless In-Ear Monitor Transmitter
- 2 x Wireless In-Ear Monitor Receiver
- 1 x Charging Case
- 1 x USB Charging Cable
- 1 x 6.35mm Adapter
- 1 x 3.5mm Audio Cable
- 1 x Type-C to Type-C OTG Cable

System Features

- Delivers stable, interference-free transmission with 24-bit/48kHz HD audio, a wide 20Hz–20kHz frequency response, and a 100dB signal-to-noise ratio, ensuring clear and detailed sound reproduction.
- The 2000mAh charging case supports up to 30 hours of use and provides two full recharge cycles for a 300mAh transmitter and two 300mAh receivers, minimizing the need for frequent recharging.
- One transmitter can pair with multiple receivers, allowing several users to monitor the same audio source in real time, with both the transmitter and receivers featuring adjustable volume controls for personalized sound levels.
- Supports OTG input for direct audio transmission and monitoring, providing a seamless connection to smartphones or tablets.
- Easily switch between mono and stereo output modes with a single press, providing flexibility for different monitoring needs.
- Supports up to 10 sets of transmitters and receivers operating simultaneously within a stable 150ft range, even in crowded RF environments, allowing for quick and reliable setup.
- Transmitter and receiver automatically pair when powered on, rendering straightforward setup and seamless synchronized audio.

SYSTEM SETUP

Installation Guidance

Single Setup

1. Long press the power button on the transmitter (TX) until the green RF light flashes, indicating pairing mode. Then, long press the power button on the receiver (RX) to turn it on. The RX will automatically search for and connect to the nearest TX, and both the TX and RX's RF lights will turn solid green once paired. One transmitter can be paired with multiple receivers.
2. Connect the audio source to the input jack of the transmitter using a 3.5mm TRS cable or OTG cable.
3. Connect 3.5mm earphones to the output jack of the receiver to start monitoring. Short press the power button to switch between mono and stereo modes.
4. To change the frequency, quickly press the power button on the receiver three times. The system will automatically switch to a different frequency.

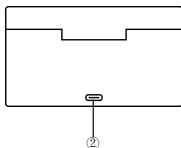
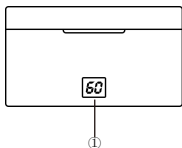
Multiple Setups

1. Power on the first transmitter and pair it with its receivers.
2. After successful pairing, turn off the transmitter.
3. Power on the next transmitter and repeat the pairing process.

***Note:** Ensure only one transmitter is powered on during each pairing; otherwise, signal conflict may occur and cause pairing failure.

Functions of Parts

Charging Case

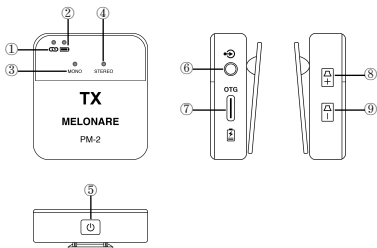


① **Battery Display Screen**

② **Charging Port**

- *Note:** 1. The transmitter and receiver can be charged at any slot.
2. Remove the plastic film from the bottom of the TX/RX before charging for the first time.

Transmitter



① RF Indicator

② **Battery Indicator:** The red indicator lights up during charging, and turns off either when the device is fully charged or when it is removed from the charging case; it starts flashing when the battery is low.

③ **Mono Mode:** When mono mode is enabled, both the left and right earphones receive the same audio signal.

④ **Stereo Mode:** When stereo mode is enabled, the left and right ears receive separate audio signals for a more immersive sound experience.

***Note:** When the transmitter is set to stereo mode, both stereo and mono modes are available on the receiver. However, when the transmitter is set to mono mode, the receiver will default to mono regardless of its setting.

⑤ Power Button

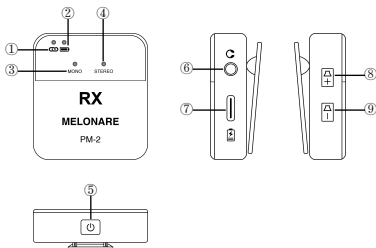
⑥ Audio Input

⑦ OTG Audio Input / USB Charging Port

⑧ **Volume + Button:** Press to increase volume.

⑨ **Volume - Button:** Press to decrease volume.

Receiver



① RF Indicator

② **Battery Indicator:** The red indicator lights up during charging and turns off once the device is removed from the charging case. When the battery is low, the indicator starts flashing.

③ **Mono Mode:** When mono mode is enabled, both the left and right earphones receive the same audio signal.

④ **Stereo Mode:** When stereo mode is enabled, the left and right ears receive separate audio signals for a more immersive sound experience.

⑤ Power Button

⑥ Headphone Jack

⑦ USB Charging Port

⑧ **Volume + Button:** Press to increase volume.

⑨ **Volume - Button:** Press to decrease volume.

Troubleshooting

No sound	• Ensure the volume on both the transmitter (TX) and receiver (RX) is appropriately adjusted. • Check that all cables and earphones are properly connected and are in good working condition. • Verify that the input source is functioning correctly. • Check if the TX and RX are steadily connected (solid green lights).
No signal or Dropout	• Make sure both devices are fully charged. • Check if the TX and RX are within the operation range of each other without obstructions.
Static Noise or Distorted Sound	• Connect the earphones last to avoid operational noise during setup. • Switch to a different frequency to reduce interference and improve signal clarity.

SPECIFICATIONS

Frequency Response	20-20K Hz, +1 dB/-3 dB
Signal-to-Noise Ratio	100 dB
Sampling Rate	24 bit/48 KHz
Battery Capacity	Charging Case: 2000mAh; Transmitter and Receivers: 300mAh each
Wireless Frequency Band	2.4 GHz
Effective Range	50 M
Power Requirements	Built-in lithium battery, can be charged via USB Type-C. It is recommended to use a 5V 1A charger.
Overall Packaging Weight	290g

TECHNICAL SUPPORT & WARRANTY INFORMATION

MELONARE® warrants to the original consumer purchaser that the above unit is free from any defects in material or craftsmanship for 12 months from the date of the original purchase. If any such defect is discovered within the warranty period, Whitesand will repair or replace the unit free of charge, subject to verification of the defect or malfunction upon return to MELONARE®.

To the extent permitted by law, any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 12 months from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. This warranty is in lieu of all other agreements and warranties, general or special, express or implied, and no representative or person, including a MELONARE® dealer, agent, or employee, is authorized to assume for us any other liability in connection with the sale or use of this MELONARE® product.

Whereas some states do not allow limitations on how long implied warranties last or do not allow the exclusion of incidental or consequential damages, the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state

THIS WARRANTY IS SUBJECT TO THE FOLLOWING CONDITIONS:

1-This system must be purchased from an authorized MELONARE dealer.
2-Items not covered: physical damage resulting from improper handling of the unit in transit from the factory by the shipper; defects caused by normal wear of the product (expendable parts are typically connectors, cables, potentiometers, switches, and similar components); damage or defects caused by abuse, neglect, accident, failure to connect or operate the unit in any way that does not comply with applicable technical or safety regulations, or improper, repair, excessive heat or humidity, alteration or unreasonable use of the unit, causing cracks, broken cases/housing or parts; damage caused by leaking batteries; finish or appearance items.

HOW TO OBTAIN SERVICE:

Please contact us at support@whitesandmic.com with any questions or concerns about your products, and a MELONARE® representative will contact you to provide assistance.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.