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› UHF Wireless Microphone System Bundle with PM-1 Wireless in-Ear Monitor System User Manual

**MELONARE 70c982fd-62df-4a82-b9dd-2f74ee17be72**

# MELONARE UHF Wireless Microphone System Bundle with PM-1 Wireless in-Ear Monitor System User Manual

Model: 70c982fd-62df-4a82-b9dd-2f74ee17be72

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your MELONARE UHF Wireless Microphone System Bundle with PM-1 Wireless in-Ear Monitor System. This comprehensive bundle is designed to deliver high-quality audio for various applications, including live performances, karaoke, public speaking, and studio monitoring. Please read this manual thoroughly before using the system to ensure optimal performance and longevity.



Image: Overview of the MELONARE UHF Wireless Microphone System and PM-1 Wireless In-Ear Monitor System components.

## Box CONTENT

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Verify that all items listed below are included in your package:

- 1 x Quad-channel UHF Wireless Receiver
- 4 x Handheld Wireless Microphones
- 2 x Antennas for the receiver
- 1 x Power Adapter for the receiver
- 1 x 1/4" Audio Cable
- 1 x 6.5mm to 3.5mm Cable Adapter
- 1 x PM-1 Wireless In-Ear Monitor Transmitter
- 1 x PM-1 Wireless In-Ear Monitor Receiver (Beltpack)
- 1 x USB Charging Cable for PM-1 units
- 1 x 3.5mm Audio Cable for PM-1 units
- 1 x 3.5mm to Dual 6.5mm Audio Cable for PM-1 units

- 1 x User Manual (this document)

# ALL-IN-ONE PACKAGE



- 1 x Wireless UHF receiver
- 4 x Wireless handheld transmitter
- 1 x Power adapter
- 1 x 1/4" audio cable
- 1 x 6.35mm to 3.5mm cable adapter
- 8 x AA battery
- 1 x User manual



Image: Visual representation of the components included in the MELONARE UHF Wireless Microphone System package.



## BOX CONTENT

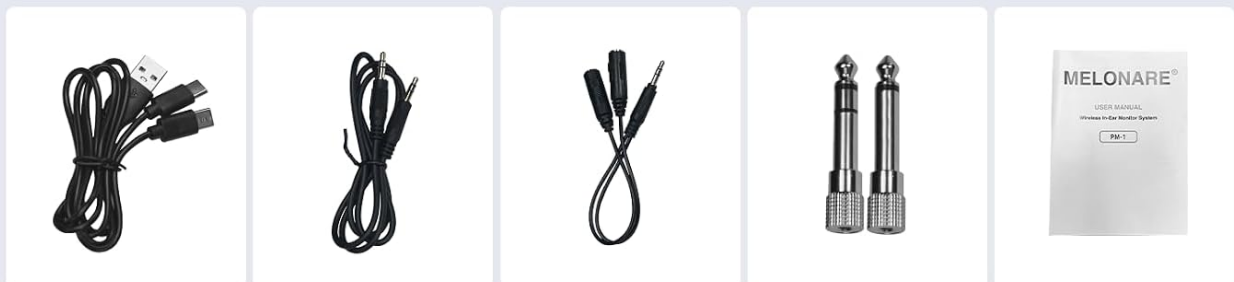


Image: Visual representation of the components included in the MELONARE PM-1 Wireless In-Ear Monitor System package.

## SETUP

### UHF Wireless Microphone System Setup

1. **Receiver Placement:** Place the quad-channel UHF wireless receiver on a stable surface, away from potential sources of interference (e.g., Wi-Fi routers, large metal objects).
2. **Antenna Connection:** Screw the two included antennas onto the ANTENNA A/B ports on the rear of the receiver. Ensure they are securely tightened and positioned vertically for optimal signal reception.
3. **Power Connection:** Connect the power adapter to the DC IN port on the receiver and plug it into a standard electrical outlet.
4. **Audio Output Connection:**
  - For mixed audio output: Connect the 1/4" audio cable from the MIX OUT port on the receiver to your mixer, amplifier, or sound system's input. Use the 6.5mm to 3.5mm adapter if your input requires a 3.5mm jack.

- For individual channel outputs: Connect XLR cables from the BALANCED XLR OUTPUTS A/B/C/D ports to individual channels on your mixer for separate control of each microphone.

5. **Microphone Battery Installation:** Open the battery compartment of each handheld microphone and insert 2 AA batteries (not included), observing the correct polarity.
6. **Power On:** Turn on the receiver by pressing the POWER button. Turn on each handheld microphone by pressing and holding its POWER button.
7. **Frequency Synchronization:** The system features automatic synchronization. If manual pairing is needed, press the SET button on the microphone to cycle through available frequencies until it pairs with the receiver channel. The LCD screen on both the microphone and receiver will display the synchronized frequency.

# UHF WIRELESS RECEIVER

Sturdy All-metal Housing

**METAL**

Rugged Construction

**4X25**

Sufficient Selectable Frequencies

**LCD**

Intuitive Status-Monitoring



Image: Detailed view of the MELONARE UHF Wireless Receiver, highlighting its metal construction, 4x25 selectable frequencies, LCD display, channel volume controls, balanced XLR outputs, mixed audio output, and antenna ports.

## PM-1 Wireless In-Ear Monitor System Setup

1. **Transmitter Connection:** Connect the PM-1 transmitter to the audio output of your mixer or sound source using the provided 3.5mm audio cable or the 3.5mm to dual 6.5mm cable. The input port is labeled "INPUT".

2. **Receiver (Beltpack) Connection:** Plug your in-ear monitors or headphones into the 3.5mm output jack on the PM-1 receiver.
3. **Power On:** Press and hold the power button on both the PM-1 transmitter and receiver to turn them on.
4. **Pairing:** The PM-1 units are typically pre-paired. If re-pairing is needed, refer to the specific PM-1 manual for pairing instructions. Ensure both units are within range.
5. **Charging:** Charge both the transmitter and receiver using the provided USB charging cable. The battery indicator lights will show charging status.



Image: The MELONARE PM-1 In-Ear Monitor System displaying battery charge levels (Green for 100%-75%, Yellow for 74%-50%, Orange for 49%-25%, Red for 24%-1%) and highlighting its secure attachment clip and input/output ports.

## OPERATING INSTRUCTIONS

### UHF Wireless Microphone Operation

1. **Power On/Off:** Press and hold the POWER button on the microphone to turn it on or off.

2. **Frequency Selection:** Press the SET button next to the Power switch on the microphone to change frequencies. This allows you to select from 25 available frequencies per channel, minimizing interference when using multiple systems.
3. **Mute Function:** Briefly press the POWER button on the microphone to mute or unmute the microphone. The LCD display will indicate the mute status.
4. **Volume Control:** Adjust the individual channel volume knobs (A, B, C, D) on the front panel of the receiver to control the output level of each microphone. The MIX OUT volume is controlled by the master volume of your connected mixer/amplifier.
5. **Transmission Range:** The system offers a stable long-range operation of up to 240ft (80m) in optimal conditions. Ensure a clear line of sight between the microphones and the receiver for best performance.

## WIRELESS HANDHELD TRANSMITTER

### Practical Functions at Hand



Humanistic Design

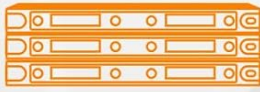


Remote Frequencies Switch



Image: Features of the MELONARE Wireless Handheld Microphone, including humanistic design, remote frequency switch, anti-slip ring, one-tap frequency switching, informative LCD display, mute function, and color-coded identification.

# ROCK-FIRM 240FT WIRELESS TRANSMISSION



Multiset operation



Plug&Go setup



Stable Long-Range Coverage

4x 25 Frequencies: Use multiple sets together



240ft/80m: Interference-free,  
noise-free transmission

Image: Illustration of the MELONARE Wireless Microphone System's 240ft/80m interference-free transmission range, plug-and-go setup, and the ability to use multiple sets together with 4x25 frequencies.

## PM-1 Wireless In-Ear Monitor Operation

1. **Volume Adjustment:** Use the volume control buttons on the PM-1 receiver (beltpack) to adjust the monitoring level in your in-ear monitors or headphones.
2. **Mono/Stereo Mode Selection:** The PM-1 system supports both Mono and Stereo modes.
  - **Mono Mode:** Provides identical audio to both earpieces. This is ideal for precise tonal feedback and clear focus, especially for small gigs or when monitoring a single mix.
  - **Stereo Mode:** Delivers separate audio to each earpiece, enhancing spatial awareness and providing detailed mix control. This mode is perfect for live performances where a more immersive monitoring experience is desired.

Select the desired mode using the switch on the PM-1 transmitter, based on your audio source and monitoring preference.

3. **Battery Life:** The PM-1 units provide approximately 5 hours of operation on a full charge (400mAh battery). Monitor

the battery indicator lights to ensure sufficient power.

## EASILY TAILOR YOUR MONITORING EXPERIENCE

Select Mono/Stereo modes based on line inputs and instruments to meet different audio preferences.



The image shows a musician playing guitar on stage. In the foreground, the MELONARE PM-1 In-Ear Monitor System is displayed. It consists of a Transmitter and a Receiver. Both units have a Mono/Stereo mode switch. The Transmitter is labeled 'Transmitterr' and the Receiver is labeled 'Receiver'. A diagram at the bottom shows the Mono and Stereo mode selection process. The Mono mode is selected for precise tonal feedback, and the Stereo mode is selected for enhanced spatial awareness.

**Mono Mode:** Provides identical audio to both earpieces for precise tonal feedback.

**Stereo Mode:** Delivers separate audio for enhanced spatial awareness

Image: The MELONARE PM-1 In-Ear Monitor System illustrating the selection between Mono and Stereo modes, explaining that Mono provides identical audio to both earpieces for precise tonal feedback, while Stereo delivers separate audio for enhanced spatial awareness.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the receiver, microphones, and PM-1 units. Do not use liquid cleaners or abrasive materials.
- **Battery Care:**
  - For handheld microphones: Remove AA batteries if the microphones will not be used for an extended period to prevent leakage.
  - For PM-1 units: Recharge the internal batteries regularly. Avoid fully discharging the batteries frequently to prolong their lifespan.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Cable Management:** Avoid sharp bends or kinks in cables to prevent damage.
- **Microphone Grille:** Periodically check the microphone grilles for debris. If necessary, gently clean with a soft brush.

## TROUBLESHOOTING

| Problem                                 | Possible Cause                                                                                                             | Solution                                                                                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound from microphone                | Microphone or receiver not powered on; Batteries low/dead; Microphone muted; Incorrect frequency; Cables loose.            | Ensure all units are powered on. Replace batteries. Unmute microphone. Resynchronize frequency. Check all cable connections.                                                            |
| Interference or static noise            | Other wireless devices nearby; Operating too far from receiver; Obstructions; Frequency conflict.                          | Move away from other wireless devices. Reduce distance to receiver. Remove obstructions. Change microphone frequency using the SET button.                                              |
| Low volume or distorted sound           | Microphone volume too low; Receiver channel volume too low; Input level on mixer/amplifier too low/high.                   | Increase microphone volume (if applicable) and receiver channel volume. Adjust input gain on your mixer/amplifier. Ensure microphone is not too close to sound source causing clipping. |
| PM-1 In-Ear Monitor not receiving audio | Transmitter/receiver not powered on; Low battery; Incorrect audio input to transmitter; Headphones not connected properly. | Ensure both PM-1 units are powered on and charged. Verify audio source is connected to the transmitter's INPUT. Check headphone connection to the receiver.                             |
| Short battery life for PM-1 units       | Battery degradation; Frequent full discharge.                                                                              | Ensure full charge before use. Avoid leaving units fully discharged for extended periods.                                                                                               |

## SPECIFICATIONS

| Feature                 | Specification                        |
|-------------------------|--------------------------------------|
| Brand                   | MELONARE                             |
| Model Number            | 70c982fd-62df-4a82-b9dd-2f74ee17be72 |
| Connectivity Technology | UHF Wireless                         |
| Number of Channels      | 4 (Microphone System)                |
| Frequency Response      | 20Hz - 20KHz                         |

| Feature                  | Specification                                                                                                                                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal-to-Noise Ratio    | 109 dB (Microphone System), 103 dB (Audio Dynamic Range)                                                                                                                                                                            |
| Sampling Rate            | 24-bit/48kHz                                                                                                                                                                                                                        |
| Wireless Range           | Up to 240ft / 80m (line of sight)                                                                                                                                                                                                   |
| Microphone Polar Pattern | Unidirectional (Cardioid)                                                                                                                                                                                                           |
| PM-1 Monitor Modes       | Mono / Stereo Selectable                                                                                                                                                                                                            |
| PM-1 Battery Life        | Approx. 5 hours (400mAh)                                                                                                                                                                                                            |
| Included Components      | Quad-channel receiver, 4 handheld microphones, 2 antennas, power adapter, 1/4" audio cable, 6.5mm to 3.5mm adapter, PM-1 transmitter, PM-1 receiver, USB charging cable, 3.5mm audio cable, 3.5mm to dual 6.5mm cable, user manual. |

# ENJOY EXCEPTIONAL AUDIO FIDELITY

Enhance your audio with superior clarity  
and unparalleled performance.

**48kHz/  
24bit**  
Sampling Rate

**20Hz-  
20kHz**  
Frequency Response

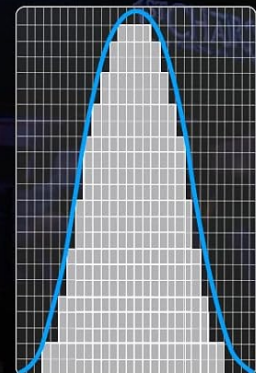
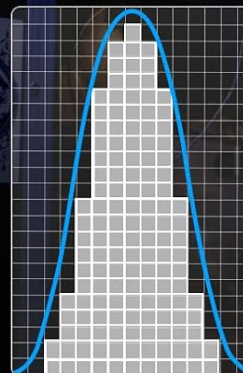
**109db**  
Signal-to-Noise Ratio

**103db**  
Audio Dynamic Range

## SOUND QUALITY COMPARISON

OTHERS

MELONARE



Blue Line: Ideal Sound Frequency Response  
Grey Grid: Actual Sound Performance

Image: Visual representation of the MELONARE system's audio fidelity, highlighting 48kHz/24bit sampling rate, 20Hz-20kHz frequency response, 109dB signal-to-noise ratio, and 103dB audio dynamic range.

## WARRANTY AND SUPPORT

MELONARE products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official MELONARE website. Please retain your proof of purchase for warranty claims.

For further assistance, you may also contact the seller directly through the platform where the product was purchased.

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question