

DJI Mic 3 Transmitter User Manual

Model: DMT03 | Brand: DJI

1. INTRODUCTION

The DJI Mic 3 Transmitter is a compact, intuitive wireless microphone designed for high-quality audio capture. It features multi-channel support, adaptive gain control, advanced noise-cancelling capabilities, and 32-bit float internal recording. This manual provides detailed instructions for its setup, operation, and maintenance, ensuring professional recording results for various applications including vlogging, interviews, and streaming.



The compact DJI Mic 3 Transmitter, featuring the DJI logo on its front face.

2. WHAT'S IN THE Box

The DJI Mic 3 Transmitter package includes the following components:

- DJI Mic 3 Transmitter x 1
- DJI Mic 3 Transmitter Magnetic Charging Cable x 1
- DJI Mic 3 Windscreen (Black/Gray) x 1
- DJI Mic 3 Windscreen (Black) x 1
- DJI Mic 3 Magnet x 1
- DJI Mic 3 Magnetic Clip x 1
- DJI Mic 3 Compact Carrying Pouch x 1



An overview of the items included with the DJI Mic 3 Transmitter: the transmitter unit, magnetic charging cable, windscreens, magnet, magnetic clip, and carrying pouch.

3. PRODUCT OVERVIEW AND FEATURES

3.1. Design and Portability

The DJI Mic 3 Transmitter is designed to be lightweight and compact, making it highly portable for various recording scenarios. It offers multiple wearing styles, including magnetic attachment and a rotatable clip for flexible placement on clothing or accessories.

2 Levels for Focused Sound ^[4]



Indoor Noise Cancelling

Ideal for quiet indoor settings; reduces fan, AC, and reverb noises while preserving vocal clarity.



Outdoor Noise Cancelling

Excels in noisy environments; significantly reduces ambient noise for clearer vocals.



With the windscreens, the TX cuts wind and noise for clear audio—perfect for streaming or vlogging.

Demonstration of the DJI Mic 3 Transmitter's versatile wearing options, including magnetic attachment and clip-on for various clothing types.

3.2. Audio Quality and Recording

The transmitter ensures consistent and balanced audio. It features adaptive gain control to maintain crisp audio quality in diverse environments. Users can select from three voice tones and utilize two levels of noise cancellation to optimize sound. The dual-file 32-bit float internal recording captures every audio detail, providing a professional-grade backup and preventing clipping.

Pro Sound & Tone Upgrade for Creators

Three Voice Tone Presets ^[3]

Two-Level Noise Cancelling ^[4]

Dual-File **32-bit** Float Recording

Adaptive Gain Control ^[5]



A close-up of the DJI Mic 3 Transmitter showing its features like 32-bit float recording, adaptive gain control, voice tone presets, and noise cancellation.

3.3. Connectivity

The DJI Mic 3 Transmitter offers versatile connectivity options:

- **Bluetooth Direct-To-Phone:** Connects directly to smartphones via Bluetooth, allowing use with third-party recording applications.
- **OsmoAudio Connection:** Seamlessly connects to compatible DJI Osmo devices such as Osmo 360, Osmo Action 5 Pro, and Osmo Pocket 3 for a streamlined, receiver-free setup.
- **Receiver Compatibility:** Can be paired with a DJI Mic 3 Receiver (sold separately) for connection to cameras, computers, and other devices via TRS, TRRS, or USB-C ports.

3-Way Connectivity for Multiple Devices



DJI OsmoAudio™ Direct Connection^[6]



Multiple Ports for Cameras, Phones, and More



Bluetooth Direct-To-Phone^[7]

The DJI Mic 3 Transmitter demonstrating its compatibility with multiple devices, including direct connection to DJI Osmo products and Bluetooth pairing with smartphones.

3.4. Multi-Channel Support and Transmission

The system supports up to 4 transmitters and 8 receivers simultaneously, enabling four-channel output for flexible mixing and precise editing. Dual-band anti-interference technology ensures stable, lossless audio transmission over a maximum range of 400 meters in open, unobstructed environments.

Compact Size, Multiple Wear Styles

Lightweight with magnetic/clip/lanyard wear.
Rotatable clip for flexible use.

Detachable Rotatable Clip

Magnetic Attachment

Clip-on

An illustration of the DJI Mic 3 system supporting multiple transmitters and receivers for multi-person recording scenarios.

4. SETUP

4.1. Initial Pairing

To use the DJI Mic 3 Transmitter, it must first be paired with a compatible device or receiver.

- **With DJI Mic 3 Receiver:** Place the transmitter and receiver in the charging case. They will automatically pair. Alternatively, use the receiver's touchscreen to initiate pairing.
- **With Smartphone (Bluetooth):** Enable Bluetooth on your smartphone. Open a compatible third-party recording app. The transmitter should appear as an available device for connection.
- **With DJI Osmo Devices:** The transmitter connects directly to Osmo 360, Osmo Action 5 Pro, or Osmo Pocket 3 via OsmoAudio. Refer to your Osmo device's manual for specific connection steps.

4.2. Attaching the Transmitter

Use the magnetic clip or magnetic attachment to secure the transmitter to clothing. Ensure the microphone is positioned optimally for clear audio capture, typically near the speaker's mouth.

5. OPERATING INSTRUCTIONS

5.1. Recording

The DJI Mic 3 Transmitter supports internal recording. When connected to a receiver or compatible device, it will automatically begin recording when the main recording device starts. For standalone use, activate internal recording via the DJI Mimo app or receiver settings.

5.2. Audio Settings

Adjust audio settings for optimal sound quality:

- **Voice Tones:** Choose from 'Regular' (clean, natural), 'Rich' (fuller, powerful), or 'Bright' (clear, sparkling) via the DJI Mimo app or receiver.
- **Noise Cancellation:** Select 'Basic' for quiet indoor settings (reduces fan, AC, reverb) or 'Strong' for noisy outdoor environments (significantly reduces ambient noise). Use the included windscreens for additional wind noise reduction.
- **Adaptive Gain Control:** The system automatically adjusts gain. 'Automatic Mode' prevents clipping in outdoor settings with sudden volume changes. 'Dynamic Mode' ensures consistent loudness in quiet indoor settings.



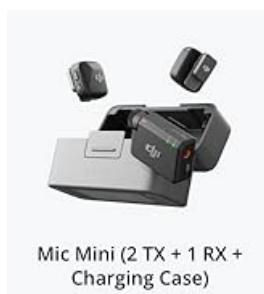
The three selectable voice styles (Regular, Rich, Bright) available on the DJI Mic 3 for different audio preferences.



The two levels of noise cancellation (Basic and Strong) offered by the DJI Mic 3 for effective sound isolation in various environments.

5.3. Timecode Synchronization

When used with a compatible receiver, the DJI Mic 3 supports integrated timecode for precise synchronization across multiple cameras or audio recorders, simplifying post-production workflows.



Mic Mini (2 TX + 1 RX + Charging Case)

The DJI Mic 3's integrated timecode feature for precise synchronization in multi-camera editing workflows.

5.4. File Export

Recorded files can be exported directly to your device using the charging case and a USB-C cable, or via the DJI Mimo app for convenient management and transfer.

6. MAINTENANCE

6.1. Charging and Battery Life

The DJI Mic 3 Transmitter offers extended battery life. For quick charging, place the transmitter in the charging case. A 5-minute charge can provide approximately 2 hours of use. The fully charged charging case can provide multiple charges to the transmitter.

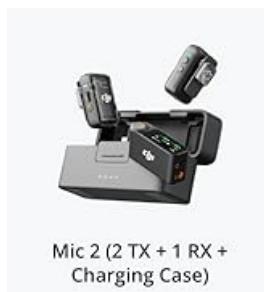


Information on the DJI Mic 3's extended battery life and 5-minute quick charge capability.

6.2. Power Management

The transmitter features intelligent power management:

- **Auto Power-Saving:** The transmitter automatically sleeps and reconnects to conserve power.
- **Auto Power-Off:** The transmitter and receiver will auto power off after 15 minutes of inactivity.
- **Auto On/Off with Camera:** When connected via a 3.5mm cable or hot shoe, the system can automatically turn on/off with your camera.
- **Use While Charging:** The transmitter can be used while charging the phone and receiver via USB-C.



Details on the DJI Mic 3's intelligent power management functions, including auto power-saving and charging options.

7. TROUBLESHOOTING

7.1. Compatibility Questions

- **Q: What are the differences between different DJI Mic 3 combos?**

A: The DJI Mic 3 (2 TX + 1 RX + Charging Case) includes two transmitters, one receiver, and a charging case, suitable for two-person recording and extended battery life. The DJI Mic 3 (1 TX + 1 RX) includes one transmitter and one receiver, ideal for single-person recording. The DJI Mic 3 Transmitter (this product) includes one transmitter and basic accessories for solo creation or expanding an existing system.

- **Q: Are the DJI Mic 3's USB-C and Lightning adapters interchangeable with mobile phone**

adapters of DJI Mic, DJI Mic 2, and DJI Pocket 2?

A: No.

- **Q: Are the DJI Mic 3's transmitters and receiver compatible with those of DJI Mic, DJI Mic 2, and DJI Mic Mini?**

A: No.

7.2. Audio Signal and Polar Pattern

- **Q: How do DJI Mic 3 transmitters receive audio signals? Is the polar pattern directional or omnidirectional?**

A: The DJI Mic 3 transmitters utilize an omnidirectional polar pattern, capturing sound equally from all directions.

8. SPECIFICATIONS

Feature	Specification
Product Dimensions	1.13 x 1.11 x 0.64 inches
Item Weight	0.413 ounces
Model Number	DMT03
Batteries	1 C battery required (included)
Manufacturer	DJI
Date First Available	August 28, 2025

9. WARRANTY AND SUPPORT

DJI products come with an official warranty, providing one-stop technical support. For detailed warranty information, service terms, or to contact support, please visit the official DJI website or your regional DJI service center.

For additional resources and firmware updates, refer to the DJI Mimo app or the DJI official website.

© 2025 DJI. All rights reserved.

Related Documents - DMT03



[DJI Mic 3 User Manual: Setup, Features, and Operation Guide](#)

Comprehensive user manual for the DJI Mic 3 wireless microphone system. Learn about setup, transmitter and receiver functions, charging, firmware updates, and connecting to phones and cameras.