

Zwide M2 Plus+C2

Zwide M2 Plus+C2 Professional Wireless Lavalier Microphone System User Manual

Model: M2 Plus+C2

1. INTRODUCTION

The Zwide M2 Plus+C2 is a professional dual-channel wireless lavalier microphone system designed for high-quality audio recording. This system includes two transmitters (TX), one receiver (RX), and a portable charging case. It is ideal for various applications such as filmmaking, live streaming, vlogging, online classes, video conferences, and interviews, offering reliable performance up to 140 meters (460 feet) in open environments.

2. WHAT'S IN THE BOX

Please verify that all components are present upon opening the package:

- Charging Case C2
- Transmitter (TX) x2
- Receiver (RX) x1
- Wired Microphone with Clip x2
- Windscreen x2
- Monitor Earphone
- USB-A to USB-C Digital Audio Cable
- Camera Cable (3.5mm TRS)
- 3.5mm TRRS Cable (for smartphones)

3. PRODUCT OVERVIEW

The Zwide M2 Plus+C2 system consists of compact and lightweight units designed for portability and ease of use.

3.1. System Components



Image: The Zwide M2 Plus+C2 system, showing two transmitters, one receiver, and the charging case.

The system includes two transmitters (TX) for capturing audio from two separate sources, one receiver (RX) to connect to your recording device, and a charging case for convenient storage and power replenishment.

3.2. Transmitter (TX)

Each transmitter features a built-in microphone and a 0.96-inch LCD for real-time status display. It also includes a 3.5mm TRS input for an external lavalier microphone.

- **Built-in Microphone:** For direct audio capture.
- **0.96-inch LCD:** Displays noise cancellation level, gain (dB), mute status, signal strength, channel, screen mode, volume, recording data rate, and battery level.
- **MIC Input:** 3.5mm TRS for connecting external lavalier microphones.
- **USB-C Port:** For charging and data transfer.
- **Power Button:** Long press to power on/off. Short press for other functions.
- **Mute Button:** To mute/unmute the microphone.
- **Gain Control Buttons:** Adjust audio input level.
- **Internal Storage:** 64GB for up to 270 hours of 256kb/s audio recording.

3.3. Receiver (RX)

The receiver connects to your camera, PC, or smartphone and receives audio from both transmitters. It also features a 0.96-inch LCD for monitoring.

- **0.96-inch LCD:** Displays status of both TX units, signal strength, battery levels, and audio output settings.
- **OUT Port:** 3.5mm TRRS/TRS female unbalanced output for connecting to recording devices.
- **Headphone Monitoring Port:** 3.5mm for real-time audio monitoring.
- **USB-C Port:** For charging and connecting to digital devices.
- **Power Button:** Long press to power on/off.
- **Channel Switch Button:** To switch between mono, stereo, or mono with safety track modes.
- **Volume Control Buttons:** Adjust output volume.

3.4. Charging Case (C2)

The charging case provides portable power for the transmitters and receiver, extending their operational time.

- **Battery Capacity:** 3500mAh, providing up to 19 hours of additional battery life for the system.
- **Charging Indicators:** Shows charging status for the case and individual units.
- **USB-C Charging Port:** For recharging the case.

4. SETUP GUIDE

4.1. Initial Charging

1. Place the transmitters (TX) and receiver (RX) into the charging case.
2. Connect the charging case to a USB power adapter (not included) using the provided USB-A to USB-C cable.
3. Ensure all units are fully charged before first use. The charging indicators on the units and case will show their status.

4.2. Powering On/Off

- **To Power On:** Long press the power button on each TX and RX unit. The LCD screens will illuminate.
- **To Power Off:** Long press the power button on each TX and RX unit. The LCD screens will turn off.

4.3. Pairing (Automatic)

The Zwide M2 Plus+C2 units are pre-paired at the factory. Simply power on both transmitters and the receiver, and they will automatically connect. The signal strength indicator on the LCD will confirm a successful connection.

4.4. Connecting to Recording Devices

- **For Cameras/DSLRs:** Use the provided 3.5mm TRS camera cable. Connect one end to the RX's OUT port and the other end to your camera's microphone input.
- **For Smartphones/Tablets:** Use the provided 3.5mm TRRS cable. Connect one end to the RX's OUT port and the other end to your smartphone's headphone/microphone jack. For devices without a 3.5mm jack, an appropriate adapter (e.g., USB-C to 3.5mm or Lightning to 3.5mm) may be required (not included).
- **For PCs/Laptops:** Use the provided USB-A to USB-C digital audio cable. Connect the USB-C end to the RX and the USB-A end to your computer. Select the Zwide M2 Plus+C2 as the audio input device in your computer's sound settings.

4.5. Attaching Microphones

- **Built-in Mic:** Clip the TX unit directly onto the speaker's clothing, ensuring the built-in microphone faces the sound source.

- **External Lavalier Mic:** Connect the wired lavalier microphone to the 3.5mm MIC input on the TX unit. Secure the lavalier mic to clothing, typically 6-8 inches from the mouth, and clip the TX unit to a belt or pocket. Attach the windscreen to the lavalier mic to reduce plosives and wind noise.

5. OPERATING INSTRUCTIONS

5.1. Adjusting Audio Gain (TX)

Use the gain control buttons on the transmitter to adjust the input audio level. Monitor the audio levels on the TX's LCD or your recording device to prevent clipping (distortion) or excessively low volume.

5.2. Mute Function (TX)

Press the mute button on the transmitter to temporarily silence the microphone. The LCD will indicate when the microphone is muted.

5.3. Noise Cancellation (TX)

The transmitters feature 3 levels of Environmental Noise Cancellation (ENC). Short press the dedicated noise cancellation button on the TX to cycle through the levels (Off, Level 1, Level 2, Level 3). The LCD will display the active level. Choose the appropriate level based on your recording environment to reduce unwanted background noise.

5.4. Internal Recording (TX)

Each transmitter has 64GB of internal storage for standalone recording. To start/stop recording, short press the record button on the TX. The LCD will show the recording status and remaining time. To transfer recorded files, connect the TX to a computer using the USB-C cable; the device will appear as a removable drive.

5.5. Audio Output Modes (RX)

The receiver supports Mono, Stereo, and Mono with Safety Track output modes. Press the channel switch button on the RX to cycle through these modes:

- **Mono:** Combines audio from both transmitters into a single mono track.
- **Stereo:** Separates audio from TX1 to the left channel and TX2 to the right channel.
- **Mono with Safety Track:** Provides a primary mono track and a secondary mono track recorded at a lower volume (-6dB) as a backup against unexpected audio peaks.

5.6. Monitoring Audio (RX)

Connect the provided monitor earphone to the 3.5mm headphone monitoring port on the receiver to listen to the audio in real-time. Adjust the monitoring volume using the volume control buttons on the RX.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in its charging case in a cool, dry place when not in use.
- **Battery Care:** For optimal battery life, fully charge the units and charging case regularly, especially if storing for extended periods. Avoid extreme temperatures.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates to ensure optimal performance and access to new features.

7. TROUBLESHOOTING

7.1. No Audio Output

- Ensure all units (TX and RX) are powered on and fully charged.
- Verify that the TX and RX are successfully paired (check signal indicator on LCD).
- Check cable connections between the RX and your recording device. Ensure the correct cable (TRS for camera, TRRS for smartphone) is used and fully inserted.
- Confirm the recording device's input settings are correctly configured to recognize the Zwide M2 Plus+C2.
- Adjust the gain on the TX and volume on the RX.
- Ensure the TX is not muted.

7.2. Poor Audio Quality/Interference

- Reduce the distance between the TX and RX.
- Avoid obstacles between the TX and RX that may block the signal.
- Ensure there are no strong 2.4GHz wireless devices operating nearby that could cause interference.
- Activate or adjust the Environmental Noise Cancellation (ENC) level on the TX.
- Check if the external lavalier microphone is securely connected and not damaged.
- Ensure the windscreen is properly attached to reduce wind noise and plosives.

7.3. Units Not Charging

- Verify the USB-C cable is properly connected to both the charging case and the power source.
- Ensure the power adapter is functional and providing sufficient power.
- Check that the TX and RX units are correctly seated in the charging case.

8. SPECIFICATIONS

Feature	Specification
Model Name	M2 Plus+C2
Microphone Form Factor	Lavalier
Polar Pattern	Omnidirectional
Connectivity Technology	2.4GHz Wireless Frequency Modulation Technology
Operating Range	Up to 140m (460 ft.) in open, unobstructed environments
Audio Sensitivity	42 Decibels
Signal-to-Noise Ratio	73 dB
Frequency Response	100 Hz
Impedance	2.2 Kiloohms
Transmitter Battery Life	Approx. 4.5 hours
Receiver Battery Life	Approx. 5.5 hours
Total Battery Life (with Charging Case)	Up to 24 hours
Charging Case Capacity	3500mAh

Internal Storage (TX)	64GB (up to 270 hours at 256kb/s)
LCD Screen	0.96-inch with full lamination technology
Noise Cancellation	3 Levels ENC
Output Modes	Mono, Stereo, Mono with Safety Track
Compatible Devices	Camera/Camcorder/DSLR/SLR, PC/Laptop/Desktop, Smartphone/iPhone/iPad/Android Phone/Tablet
Item Dimensions (L x W x H)	4.72 x 2.76 x 2.64 inches
Item Weight	12.5 ounces (355 Grams)

9. WARRANTY AND SUPPORT

Zwide products are covered by a limited warranty. For detailed warranty information, technical support, or service inquiries, please refer to the warranty card included in your product packaging or visit the official Zwide website.

Please retain your proof of purchase for warranty claims.