

NEEWER CM28 Pro

NEEWER CM28 PRO Wireless Lavalier Microphone System User Manual

Model: CM28 Pro

1. INTRODUCTION

This manual provides detailed instructions for the NEEWER CM28 PRO Wireless Lavalier Microphone System. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and lifespan. This system is designed for high-quality audio recording in various applications, including video production, vlogging, interviews, podcasting, and live streaming.

2. PACKAGE CONTENTS

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

- 1 x Charging Case
- 1 x Receiver (RX)
- 2 x Transmitters (TX)
- 2 x Windshields
- 2 x Magnets
- 1 x USB Type-C Cable
- 1 x Storage Bag
- 1 x 3.5mm TRS to iOS Cable
- 1 x 3.5mm TRS to USB-C Cable
- 1 x 3.5mm TRS to 3.5mm TRS Cable
- 1 x USB-A to USB-C Cable



Image: All components included in the NEEWER CM28 PRO package, laid out for clear identification.

3. PRODUCT OVERVIEW

The NEEWER CM28 PRO system consists of a receiver (RX), two transmitters (TX), and a charging case. Each component is designed for ease of use and high performance.

3.1. Transmitters (TX)

- Integrated microphone.
- 4GB internal storage for standalone recording (up to 9 hours of 48KHz WAV audio).
- One-click noise cancellation.
- Mute function.
- LED indicators for recording status.
- Collar clip and magnetic attachment options.

3.2. Receiver (RX)

- LCD screen displaying volume, battery levels, connection status, and noise cancellation.
- 3.5mm audio jack for real-time monitoring.
- Adjustable low frequency settings (75KHz and 150KHz).
- Supports Mono, Stereo, and Ms audio output modes.

3.3. Charging Case

- Protective storage for RX and TX units.
- Provides two full recharges for the system.
- Battery indicator lights.

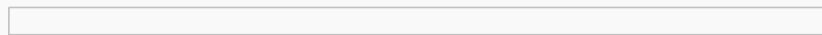


Image: The NEEWER CM28 PRO system, showing the charging case with one receiver and two transmitters inserted, along with two windshields.

4. SETUP

4.1. Charging the System

1. Place the receiver (RX) and transmitters (TX) into the charging case.
2. Connect the charging case to a power source using the provided USB Type-C cable.
3. The indicator lights on the charging case will show the charging status. A full charge provides approximately 9 hours of operation for the RX and 8 hours for the TX units. The case itself can provide two full recharges.



Image: Visual representation of the NEEWER CM28 PRO's battery life and charging capabilities, showing the units in the charging case.

4.2. Power On/Off

Press and hold the power button on the RX or TX unit to turn it on or off.

4.3. Pairing

The units are typically pre-paired from the factory. If re-pairing is needed, refer to the on-screen instructions on the RX unit or the full product manual for specific steps.

4.4. Connecting to Devices

The system offers wide compatibility with various devices:

- **iPhone/iPad:** Connect the receiver to your iOS device using the 3.5mm TRS to iOS cable. Ensure the device is plugged in first, then open your recording application.
- **Android Phones/Tablets:** Connect the receiver to your Android device using the 3.5mm TRS to USB-C cable.
- **DSLR Cameras:** Connect the receiver to your camera's microphone input using the 3.5mm TRS to 3.5mm TRS cable.
- **Computers (PC/Mac):** Connect the receiver to your computer using the USB-A to USB-C cable.



Image: Diagram illustrating how to connect the NEEWER CM28 PRO receiver to various devices including iPhone, Android, DSLR cameras, and computers.

5. OPERATING INSTRUCTIONS

5.1. Noise Cancellation

To activate or deactivate noise cancellation on a transmitter (TX), press the 'SET' button once. The LCD screen on the receiver will indicate the status.



Image: A graphic demonstrating the effect of noise cancellation, showing a sound wave 'before' and a cleaner sound wave 'after' activation on the CM28 PRO transmitter.

5.2. Mute Function

Transmitters offer a one-click mute function. Press the designated mute button on the TX unit to mute or unmute the microphone. Dual LED indicators will show the recording status.

5.3. Standalone Recording

Each transmitter (TX) has 4GB of internal storage, allowing it to function as a standalone recorder. It can save up to 9 hours of uncompressed 48KHz WAV audio files (up to 30 minutes per file). To initiate standalone recording, refer to the specific button press sequence detailed in the full product manual. The LCD screen on the receiver displays export modes, volume, battery levels, connection status, and noise cancellation status.



Image: A hand holding a NEEWER CM28 PRO transmitter with a windshield, highlighting its 4GB built-in storage and 9 hours of backup recording capability.

5.4. Audio Track Modes

The receiver (RX) supports three audio export modes:

- **Mono:** Merges audio recorded by two transmitters into one track.

- **Stereo:** Records the tracks from the two transmitters as separate left and right channels, simplifying post-production.
- **Ms (Mid-Side):** A safe audio track mode where the right channel is 6 dB lower to prevent clipping and distortion from interference.

To switch between these modes, press and hold the 'SET' button on the RX for 3 seconds.

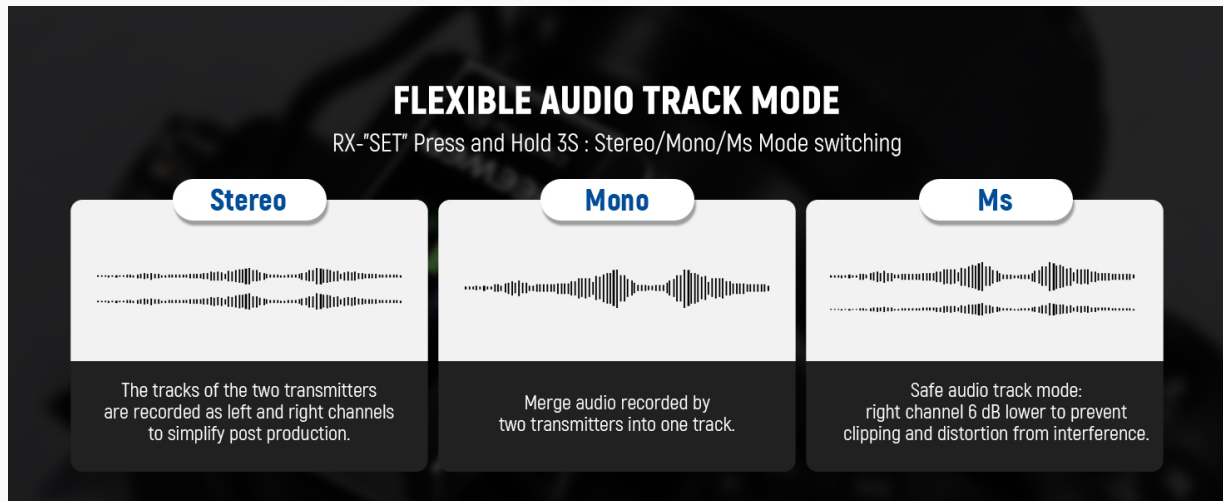


Image: A visual comparison of Stereo, Mono, and Ms audio waveforms, explaining the function of each audio track mode on the NEEWER CM28 PRO.

5.5. Real-time Monitoring

Connect monitoring headphones to the 3.5mm audio jack on the receiver (RX) to check the audio quality in real time during recording. Note: Monitoring headphones are not included.

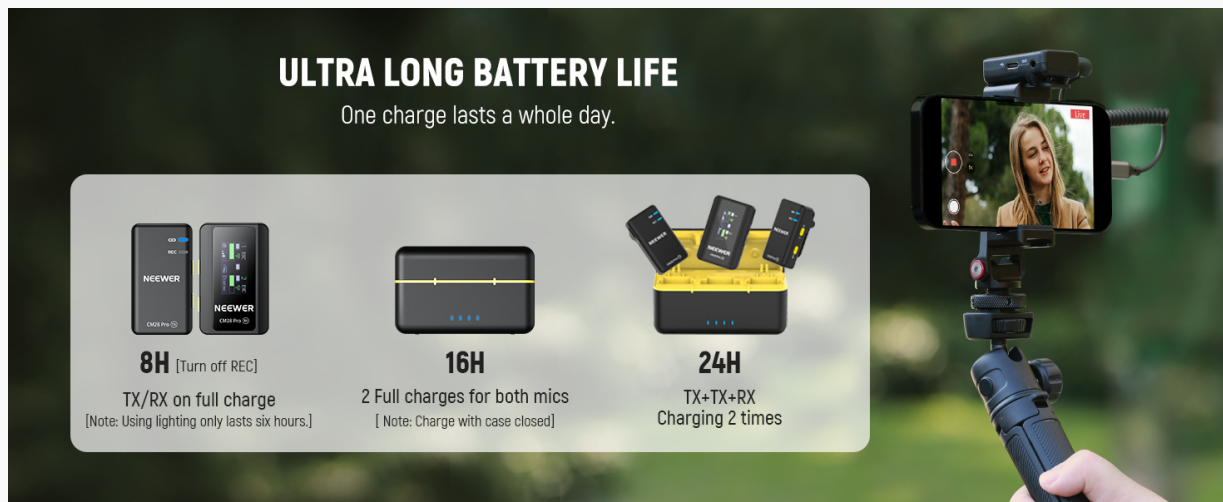


Image: The NEEWER CM28 PRO receiver connected to headphones for real-time audio monitoring, with a transmitter visible nearby.

5.6. Wearing the Microphone

The transmitters can be securely attached to clothing using the integrated collar clip or the provided magnets for wireless convenience.

COLLAR CLIP/MAGNET

Wear it on your collar for wireless convenience.



Image: Two examples showing how the NEEWER CM28 PRO transmitter can be worn: one using the collar clip on a blazer, and another using the magnetic attachment on a t-shirt.

5.7. Transmission Range

In unobstructed environments, the system provides stable wireless transmission up to 656 feet (200 meters). Note that the actual transmission range may vary depending on environmental conditions and obstacles.

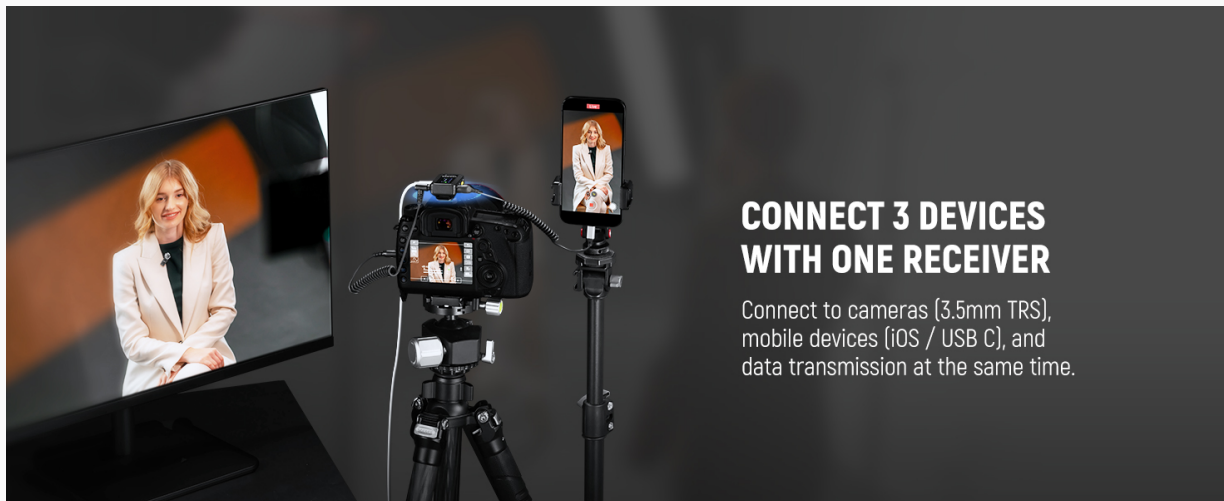


Image: A visual representation of the NEEWER CM28 PRO's long-distance transmission capability, showing a person with the microphone system at a distance from the camera in an open desert environment.

6. MAINTENANCE

- Keep the device dry. Do not expose it to moisture or rain.
- Clean the units with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the system in its charging case when not in use to protect it from dust and physical damage.
- Avoid extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your NEEWER CM28 PRO system, refer to the following common solutions:

- **No Audio Output:** Ensure all cables are securely connected. Check the battery levels of both the transmitters and receiver. Verify that the microphone is not muted.
- **Poor Audio Quality/Interference:** Ensure the transmitters and receiver are within the effective

transmission range and there are no major obstructions. Activate the noise cancellation feature. Check for other wireless devices operating on similar frequencies that might cause interference.

- **Units Not Pairing:** Turn off and restart both the transmitters and receiver. If the issue persists, refer to the full product manual for manual pairing instructions.
- **Recording Issues:** Check the available storage on the transmitters for standalone recording. Ensure the correct audio output mode (Mono, Stereo, Ms) is selected on the receiver.

8. SPECIFICATIONS

Feature	Specification
Product Model	CM28 PRO
Wireless Frequency Range	2400-2483.5MHz
Modulation Method	GFSK
Audio Frequency Response	20Hz-20KHz
Wireless Transmitting Power	<10dBm
Signal-to-Noise Ratio	60 dB
Battery Type	3.7V Lithium battery
Charging Input	5V=500mA
Energy Saving Mode	Auto OFF after 5min
Operating Temperature	32-131°F / 0-55°C
Storage Temperature	-4-131°F / -20-55°C
Transmitter (TX) Dimensions	1.9"x1"x0.5" / 47x26x13mm
Receiver (RX) Dimensions	1.9"x1"x0.6" / 47x29x14mm
Transmitter (TX) Weight	0.6oz / 18g
Receiver (RX) Weight	0.7oz / 21g
Number of Channels	2
Microphone Form Factor	Lavalier
UPC	191073099418

WIDE COMPATIBILITY

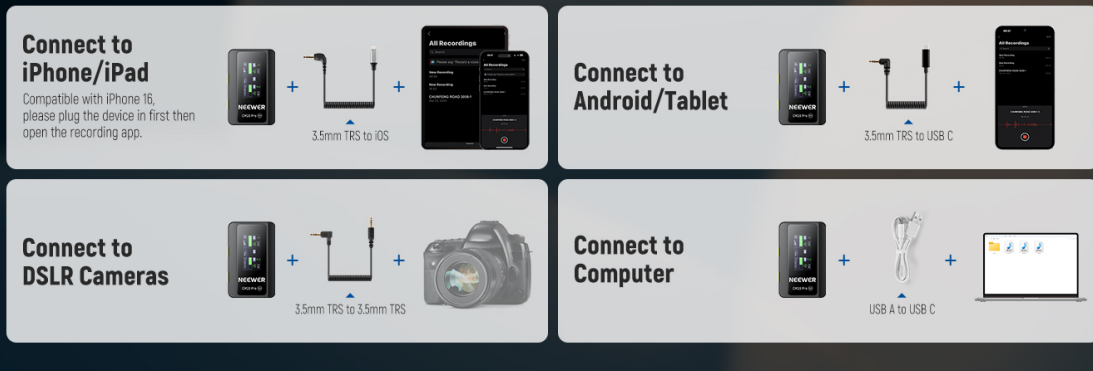


Image: A detailed list of technical specifications for the NEEWER CM28 PRO, presented alongside the charging case with units inside.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official NEEWER website or contact their customer service directly. Keep your purchase receipt for warranty claims.

10. OFFICIAL PRODUCT VIDEOS

No relevant seller-created product videos were found in the provided data to embed in this manual.