

[Manuals.plus](#) /

› [NearStream](#) /

› NearStream AWM28T Wireless Lavalier Microphone User Manual

NearStream AWM28T

NearStream AWM28T Wireless Lavalier Microphone User Manual

Model: AWM28T

INTRODUCTION

This manual provides detailed instructions for the NearStream AWM28T Wireless Lavalier Microphone system. It covers product components, setup procedures, operating modes, maintenance guidelines, troubleshooting tips, and technical specifications. Please read this manual thoroughly to ensure proper use and optimal performance of your device.



Image: The NearStream AWM28T Wireless Lavalier Microphone system, showcasing the two transmitters, one receiver, and the portable charging case.

WHAT'S IN THE BOX

Verify that all components are present in your package:

- 2 x Transmitter
- 1 x Receiver
- 1 x Charging Case
- 1 x USB-A to USB-C Cable
- 1 x Camera Audio Cable (3.5mm TRS)
- 1 x Audio Cable (3.5mm TRS to TRRS)
- 1 x USB-C to Lightning Adapter
- 1 x USB-C to USB-C Adapter
- 2 x Attachment Magnetic
- 2 x Fur Windshield (Black)
- 2 x Fur Windshield (Gray)
- 1 x Small Bag

Two Devices, One Take

With 3.5mm TRS and USB-C Outputs, Capture Consistent Audio Across Multiple Devices Simultaneously.



Image: All included accessories and main units of the AWM28T system, neatly arranged.

PRODUCT OVERVIEW

Transmitter (TX)

- Built-in microphone
- Power/Mute button
- Status indicator light
- Charging contacts
- Clip for attachment

Receiver (RX)

- LCD Touchscreen Display
- OK/Volume control knob
- 3.5mm Headphone Output for real-time monitoring
- 3.5mm TRS Output for camera/audio devices
- USB-C Output for smartphones/computers
- Charging contacts

Charging Case

- Houses and charges two transmitters and one receiver.
- LED indicators for charging status.
- USB-C charging port.



Image: The charging case with LED indicators, designed to hold and charge the transmitters and receiver.

SETUP

1. Initial Charging

Before first use, fully charge the transmitters, receiver, and charging case. Place the transmitters and receiver into the charging case. Connect the USB-A to USB-C cable to the charging case and a power source. The LED indicators on the charging case will show the charging status.

2. Power On/Off

- **Transmitter:** Press and hold the Power button for 2 seconds to turn on or off.
- **Receiver:** Press and hold the OK button for 2 seconds to turn on or off.

3. Pairing

The transmitters and receiver are pre-paired at the factory. If re-pairing is needed:

1. Ensure both transmitter(s) and receiver are powered on.
2. On the receiver's LCD screen, navigate to the pairing menu.
3. Follow the on-screen instructions to initiate pairing. The devices should connect automatically.

4. Connecting to Recording Device

The AWM28T offers wide compatibility:

- **For Cameras/Laptops/PCs (3.5mm input):** Use the provided 3.5mm TRS cable (for cameras) or 3.5mm TRS to TRRS cable (for laptops/smartphones with headphone jack) to connect the receiver's 3.5mm output to your device's audio input.
- **For iPhone (Lightning port):** Attach the USB-C to Lightning adapter to the receiver's USB-C output, then plug into your iPhone.
- **For Android/PC (USB-C port):** Attach the USB-C to USB-C adapter to the receiver's USB-C output, then plug into your Android device or PC.



Reliable Power for the Whole Day



54H Runtime



Support Your Record
All Day & Night



High-Capacity Battery

TX: 9h Working Time
27h with Charging Case



Fast Charging

TX: 2H, RX: 2H
Charging Case: 1.5H



Long Battery Life

TX: 210mAh, RX: 250mAh
Charging Case: 1800mAh

Image: The receiver demonstrating its versatile connectivity options with cameras, laptops, and smartphones.

Your browser does not support the video tag.

Video: Official NearStream AWM28T Wireless Lavalier Microphone setup and feature overview. This video demonstrates connecting the receiver to various devices and highlights key functionalities.

OPERATING INSTRUCTIONS

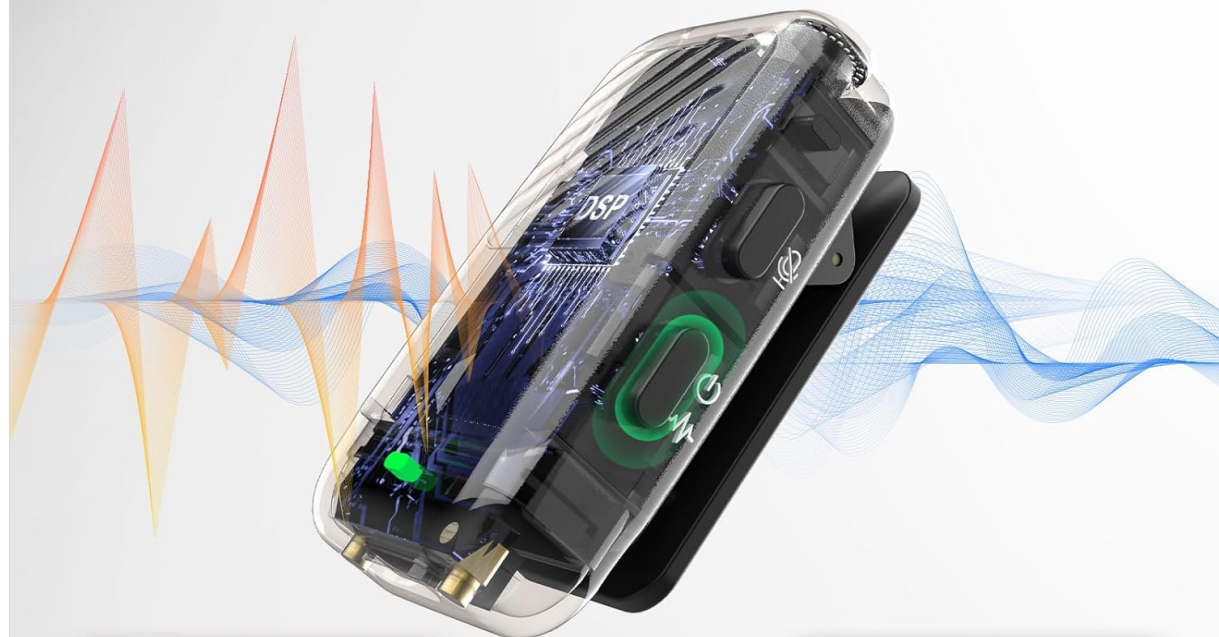
1. Audio Modes

The AWM28T supports three recording modes, selectable via the receiver's LCD touchscreen:

- **Mono Mode:** Combines audio from both transmitters into a single mono track. Ideal for interviews with two speakers or when a single, clear audio channel is preferred.
- **Stereo Mode:** Records audio from each transmitter to separate left and right channels, providing a wider soundstage. Useful for capturing distinct audio sources or for post-production flexibility.
- **Safety Track Mode:** Records a primary audio track and a secondary backup track at -6dB lower volume. This prevents audio clipping or distortion if the main track's volume unexpectedly peaks.

AI-Powered Noise Reduction

With Built-in HiFi 4 DSP



Ai Noise Cancellation

> 700,000 noise types

-21dB
(e.g., crowds, traffic)

-40dB
(e.g., dog bark, door slam)

Deep-learning neural network filtering

Noise Filtering Range

Steady Noise Reduction

Sudden Noise Reduction

Technology Depth

Traditional ENC

< 100 noise types

-15dB
(e.g., crowds, traffic)

-2dB
(e.g., dog bark, door slam)

Basic environmental noise control

Image: The receiver's display illustrating the selection of Mono, Stereo, and Safety Track modes.

Your browser does not support the video tag.

Video: A short preview demonstrating the selection of Safety Track, Mono, and Stereo modes on the receiver's LCD touchscreen.

2. AI Noise Cancelling

The built-in AI noise cancelling feature intelligently reduces background noise while preserving vocal clarity. Activate or deactivate this feature via the transmitter's controls or receiver's menu.

Professional Studio Quality Audio

True 48K Condenser Mic

48KHz/24bit

20Hz-20KHz

90dB
90dB SNR

120dB
120dB SPL



Image: Visual representation of the AI Noise Cancelling technology, highlighting its effectiveness in reducing various noise types.

3. Volume Control

Adjust the audio output volume using the OK/Volume control knob on the receiver. The LCD screen displays 20 levels of volume adjustment.

4. Mute Function

Press the Power/Mute button on the transmitter once to mute or unmute the microphone. The status indicator light will change to indicate mute status.

5. Real-Time Monitoring

Connect headphones to the 3.5mm headphone output on the receiver to monitor audio in real-time. This allows for immediate audio level adjustments during recording.

6. Multi-Source Recording

The transmitter supports an external audio input, allowing connection of an additional microphone or headset for flexible multi-track recording setups.

7. Wearing Options

The transmitters can be clipped to clothing or attached using the magnetic mounts for discreet placement.



100m Stable Transmission

With an impressive range of up to 100 meters (328 feet) and powerful anti-interference capabilities, it reliably expands your creative possibilities.

Image: Examples of flexible wearing options for the transmitter, including clipping and magnetic attachment.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid liquid cleaners or solvents.
- **Storage:** Store the microphone system in its charging case in a cool, dry place when not in use.
- **Battery Care:** For optimal battery life, avoid fully discharging the batteries frequently. Charge regularly, even if not in constant use.
- **Windshields:** Clean fur windshields gently with a soft brush if needed. Replace if damaged to maintain sound quality.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No audio output	◦ Device not powered on ◦ Not properly connected ◦ Muted transmitter ◦ Low battery ◦ Unpaired devices	◦ Ensure all units are powered on. ◦ Check cable connections and adapters. ◦ Unmute the transmitter. ◦ Charge all units. ◦ Re-pair the transmitter(s) and receiver.
Poor audio quality / Noise	◦ Interference ◦ AI Noise Cancelling off ◦ Microphone placement ◦ Damaged windshield	◦ Move away from other wireless devices. ◦ Activate AI Noise Cancelling. ◦ Adjust microphone position closer to the sound source. ◦ Replace damaged fur windshields.
Short wireless range / Dropouts	◦ Obstructions ◦ Environmental interference	◦ Ensure clear line of sight between transmitter and receiver. ◦ Avoid environments with strong Wi-Fi or other 2.4GHz signals.
Receiver LCD screen dim/unresponsive	◦ Low battery ◦ Temporary software glitch	◦ Fully charge the receiver and charging case. ◦ Try restarting the receiver. If issues persist, contact support.

SPECIFICATIONS

Feature	Detail
Model Name	AWM28T Wireless Lavalier Microphone
Connectivity Technology	Wireless (2.4GHz), USB-C, Lightning, 3.5mm TRS/TRRS
Audio Quality	48kHz/24-bit, 120dB SPL, 90dB SNR
Special Features	AI Noise Cancelling, Mono/Stereo/Safety Track, 20-level Volume Control, Real-Time Monitoring
Battery Life (Transmitter/Receiver)	Up to 9 hours per unit
Total Battery Life (with Charging Case)	Up to 54 hours

Feature	Detail
Wireless Range	Up to 328ft (100m) in open areas
Compatible Devices	iPhone, Android phones, Tablets, Laptops, DSLR Cameras, PCs
Microphone Form Factor	Lavalier (Clip-on)
Number of Channels	2

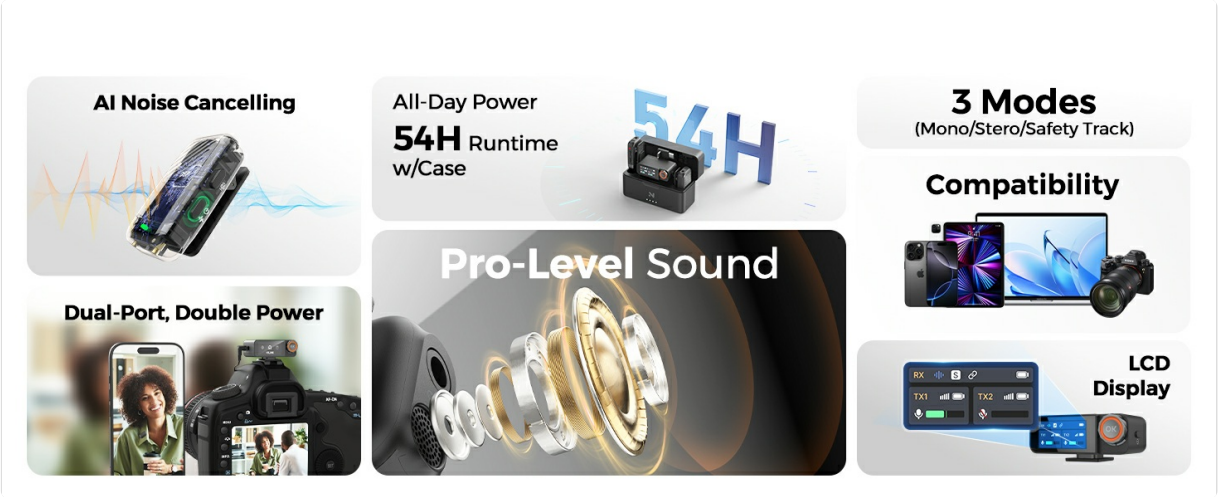


Image: Detailed specifications of the microphone's audio performance, including sample rate, bit depth, SNR, and SPL.

WARRANTY AND SUPPORT

The NearStream AWM28T Wireless Lavalier Microphone comes with a **1 Year Manufacturer Warranty**. For technical support, warranty claims, or further assistance, please contact NearStream customer service through their official channels. Refer to the product packaging or the official NearStream website for contact information.