

## NearStream AWM28T

# NearStream AWM28T Wireless Microphone System User Manual

## INTRODUCTION

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This manual provides detailed instructions for the NearStream AWM28T wireless microphone system. Designed for high-quality audio capture, this system features advanced AI noise cancellation, versatile recording modes, and broad compatibility with various devices. Please read this manual thoroughly to ensure proper setup, operation, and maintenance of your device.

## PRODUCT OVERVIEW AND COMPONENTS

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The NearStream AWM28T system includes the following components:

- 2 x Transmitters
- 1 x Receiver
- 1 x Charging Case
- 1 x USB-A to USB-C Cable
- 1 x TRS-TRS Cable
- 1 x TRS-TRRS Cable
- 1 x USB-C to Lightning Adapter
- 1 x USB-C to USB-C Adapter
- 2 x Magnetic Attachments
- 2 x Furry Wind Muffs (Black)
- 2 x Furry Wind Muffs (Gray)
- 1 x Storage Bag

## プラグ&プレイ設計、幅広いデバイスに対応

スマホ/タブレット/PC配信から本格撮影まで、  
デバイスを選ばず簡単・手軽に高音質録音を実現。

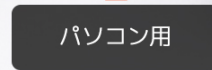


Image: All components included in the NearStream AWM28T package, neatly arranged with their respective labels.

## SETUP

### 1. Charging the Devices

Before initial use, ensure all transmitters and the receiver are fully charged. Place the transmitters and receiver into the charging case. Connect the charging case to a power source using the provided USB-A to USB-C cable.

- **Transmitter Battery Life:** Up to 9 hours on a single charge.
- **Total Battery Life with Charging Case:** Up to 54 hours.
- The charging case also supports fast charging.

## 多彩な録音モードをスムーズに切替

クリアな音声から臨場感あるサウンドまで自在に対応  
バックアップ録音により音割れリスクを抑え、安定した収録品質を確保



Image: The NearStream AWM28T charging case with transmitters and receiver, illustrating the extended battery life and fast charging capabilities.

### 2. Pairing

The transmitters and receiver are pre-paired at the factory. Simply power them on, and they should connect automatically. If re-pairing is necessary, refer to the troubleshooting section or the detailed instructions in the full user manual for specific steps.

### 3. Connecting to Recording Devices

The AWM28T system offers wide compatibility with various devices:

- **For Cameras:** Use the provided 3.5mm TRS-TRS cable to connect the receiver's output to your camera's microphone input.
- **For Smartphones (iPhone):** Use the USB-C to Lightning adapter to connect the receiver to your iPhone.
- **For Smartphones (Android) & PCs:** Use the USB-C to USB-C adapter or the USB-A to USB-C cable to connect the receiver to your Android device or PC.

The system is designed for plug-and-play operation, requiring no additional drivers or apps for most devices.

## 有線接続の安心感 モニタリング機能搭載

3.5mm TRS端子を搭載し、安定した音声伝送を実現。録音中の音声はリアルタイムで確認でき、遅延のない自然なモニタリングが可能。その場で再生してチェックできるため、録り直しの手間も軽減します。スタジオでの本格収録から、屋外でのダイナミックな撮影まで、さまざまなシーンで信頼できるパフォーマンスを発揮。



Image: Diagram illustrating the various connection options for the NearStream AWM28T, including 3.5mm audio cable for cameras, USB-C adapter for Android/PC, and Lightning adapter for iPhone.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

Press and hold the power button on each transmitter and the receiver to turn them on or off. The LCD screen on the receiver will illuminate, indicating power status.

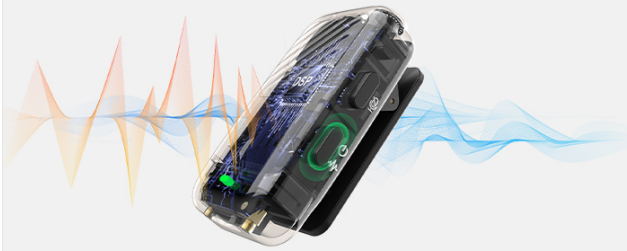
### 2. Recording Modes

The AWM28T offers three recording modes, switchable with a single touch on the receiver's LCD panel:

- **Mono Mode:** Ideal for single-person recordings, providing clear and natural sound.
- **Stereo Mode:** Suitable for two-person interviews or immersive soundscapes. Requires both transmitters to be active.
- **Safety Track Mode:** Records a secondary audio track at -6dB to prevent audio clipping in case of unexpected loud sounds.

# 次世代のAIノイズキャンセリング技術

高性能HiFi 4 デジタル信号処理チップ搭載



## 自社開発の AIノイズ低減アルゴリズム

70万種類以上のノイズを検知  
-21dB  
(人混みの中の雑音や交通騒音など)  
-40dB  
(犬の吠え声やドアを閉める音など)

付属の毛皮風防が風切り音を抑え、  
屋外配信でもクリアな録音を実現

## 従来の ノイズキャンセリング技術

100種類未満のノイズを検知  
-15dB  
(人混みの中の雑音や交通騒音など)  
2dB  
(犬の吠え声やドアを閉める音など)

周囲の騒音を  
完全に取り除くことはできない

広範囲の騒音低減    定常的な環境音を抑制可能    突発的なノイズを除去可能    業界をリードする技術力    ...

Image: The receiver's LCD touch panel displaying connection status and options for switching between Mono, Stereo, and Safety Track recording modes.

## 3. AI Noise Cancellation

The system features an advanced AI noise cancellation algorithm that detects and reduces over 700,000 types of environmental noise by up to -40dB. This ensures clear vocals even in noisy environments. To activate or deactivate AI noise cancellation, refer to the receiver's LCD interface or the dedicated button on the transmitter (if available).



### 忠実性の高いプロ仕様のオーディオ収録

高感度無指向性コンデンサーマイク内蔵

- 48kHz/24bit サンプルレート/ビット幅
- 20Hz-20kHz 周波数範囲
- 90dB 信号対雑音比
- 120dB 最大音圧レベル

Image: A visual representation of the AI noise cancelling technology in the NearStream AWM28T, showing how it filters out background noise for clearer audio.

## 4. Gain Adjustment and Mute Function

Adjust the audio input gain (volume) in 20 levels directly from the receiver's touch-enabled LCD panel. This allows for precise control over your audio levels. A one-click mute function is also available on the transmitters for quick silencing.



一日中使える、  
安心のバッテリー性能  
長時間の撮影・  
配信をしっかりサポート

送信機：最大9時間連続使用  
充電ケース併用：最大27時間駆動



Image: Close-up of the NearStream AWM28T receiver's dial, indicating intuitive 20-level gain control for fine-tuning audio input.

## 5. Real-time Monitoring

Connect headphones to the 3.5mm output port on the receiver to monitor your audio in real-time. This allows you to check sound quality and levels during recording without delay, ensuring optimal results.

## 6. Attaching Transmitters

The transmitters can be easily clipped onto clothing or used with the magnetic attachments for flexible placement. For outdoor use, attach the provided furry wind muffs to reduce wind noise.



Image: Examples of how to wear the NearStream AWM28T transmitters, showing clip-on and magnetic attachment options for secure and flexible placement.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the microphone system in its charging case or storage bag when not in use to protect it from dust and damage. Keep it in a cool, dry place.
- **Battery Care:** To prolong battery life, fully charge the charging case and all units regularly, even if not in frequent use. Avoid completely depleting the battery for extended periods.
- **Wind Muffs:** Clean furry wind muffs gently by hand if they become dirty. Ensure they are completely dry before reattaching.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output.	Devices not powered on. Incorrect cable connection. Transmitters/Receiver not paired. Mute function activated. Low battery.	Ensure all units are powered on. Verify cables are securely connected to the correct ports. Check pairing status on the LCD. If desynced, refer to the full manual for re-pairing instructions. Deactivate mute on the transmitter. Charge all units.
Poor audio quality (e.g., static, low volume).	Interference. Incorrect gain settings. Transmitter too far from receiver. Wind noise.	Move away from other wireless devices or strong electromagnetic fields. Adjust gain levels on the receiver's LCD. Ensure transmitter is within the 100m operating range. Attach furry wind muffs for outdoor use.
Receiver LCD screen is dim or unresponsive after charging.	Deep discharge of battery.	Fully charge the charging case, then place the receiver inside and allow it to charge for an extended period (e.g., 1-2 days) to recover.

## SPECIFICATIONS

Feature	Detail
Model	AWM28T
Brand	NearStream
Audio Quality	48kHz/24bit
Frequency Response	20Hz - 20kHz
Signal-to-Noise Ratio (SNR)	90dB
Maximum Sound Pressure Level (SPL)	120dB
Wireless Transmission Distance	Up to 100m (328ft) in open environments
Transmitter Battery Life	Up to 9 hours
Total Battery Life (with Charging Case)	Up to 54 hours
Noise Cancellation	AI Noise Cancelling (up to -40dB reduction)
Recording Modes	Mono, Stereo, Safety Track
Connectivity	USB-C, Lightning, 3.5mm TRS/TRRS

Feature	Detail
Display	Touch-enabled LCD Panel
Origin	China

Image: Detailed audio specifications of the NearStream AWM28T, highlighting 48kHz/24bit sample rate, 20Hz-20kHz frequency range, 90dB SNR, and 120dB Max SPL.

## WARRANTY AND SUPPORT

NearStream products are designed for reliability and performance. For warranty information, please refer to the warranty card included in your product packaging or visit the official NearStream website. If you encounter any issues or require technical assistance, please contact NearStream customer support through their official channels. For further assistance, please visit the [NearStream Brand Store](#).