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> NearStream AM15X XLR/USB Dynamic Microphone Instruction Manual

## NearStream AW-AM15X

# NearStream AM15X XLR/USB Dynamic Microphone User Manual

Model: AW-AM15X

Brand: NearStream

## INTRODUCTION

The NearStream AM15X is a versatile dynamic microphone designed for high-quality audio capture in various applications, including streaming, gaming, podcasting, and music production. It offers dual USB and XLR connectivity, advanced noise cancellation, and intuitive controls to enhance your audio experience. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your AM15X microphone.





Figure 1: The NearStream AM15X Dynamic Microphone with its included desk stand.

## WHAT'S IN THE BOX

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Verify that all components are present in the package:

- AM15X Microphone (1 unit)
- Mic Windscreen (1 unit)
- Desk Stand (1 unit)
- 6.56ft USB Cable (USB-C to USB-A/USB-C) (1 unit)
- Screws for assembly (quantity as needed)

*Note: An XLR cable and mic boom arm are not included and must be purchased separately if desired.*

# Old/New Version Random Delivery



OLD VERSION

NEW VERSION

**Notice:** NearStream has upgraded the AM15X microphone with a capacitive touch panel with separated function controls and a redesigned desk stand. Orders may receive either the new or previous version, which will be shipped randomly.

Figure 2: All components included in the AM15X microphone package.

## SETUP

### 1. Assembling the Desk Stand

1. Attach the microphone to the desk stand using the provided D-ring screw. Ensure it is securely fastened.
2. Place the assembled microphone and stand on a stable, flat surface. The base of the stand is designed with a protective pad to prevent scratches to your desktop.

### 2. Connecting the Microphone

The AM15X offers two primary connectivity options:

#### USB Connection (Recommended for full functionality)

- Connect the provided USB cable from the USB-C port on the microphone to a USB-A or USB-C port on your computer (PC, laptop, PS4/PS5).

- The microphone is plug-and-play and typically requires no additional drivers.
- All functional features, including noise canceling, sound monitoring, and audio gain adjustment, are available when using the USB connection.



Figure 3: Connecting the AM15X microphone via USB to a computer.

### **XLR Connection (For professional audio setups)**

- Connect an XLR cable (not included) from the XLR port on the microphone to an audio mixer or sound card.
- When using the XLR interface, noise canceling, sound monitoring, and audio gain adjustment features are not supported. These functions are exclusive to the USB connection.



Figure 4: Connecting the AM15X microphone via XLR to an audio interface.

### **3. Optional: Boom Arm Installation**

The AM15X features a 3/8" to 5/8" conversion nut, making it compatible with various boom arms (not included) for greater flexibility in positioning.

# Effortless Real-time Audio Monitoring

Experience real-time sound with low latency via 3.5mm jack



3.5mm headphone jack



Figure 5: The AM15X microphone's compatibility with 3/8" and 5/8" boom arms.

## OPERATING THE MICROPHONE

### 1. Functional 4-in-1 Smart Knob (USB Connection Only)

The smart knob on the microphone provides multiple control functions:

- **Noise Canceling Toggle:** Short press the knob to switch noise canceling on or off. A blue indicator light signifies noise canceling is active, while a cyan light indicates it is off.
- **Microphone Gain Adjustment:** Long press the knob to activate gain adjustment. Rotate the knob from left to right to increase the microphone volume. There are 15 levels of gain adjustment.
- **Mute Function:** Spin the knob all the way to the left to activate mute mode. A red indicator light will appear when muted.
- **Monitoring Gain Adjustment:** Long press the knob to activate monitoring gain adjustment. Rotate the knob to adjust the volume of the headphone output.

# 4-IN-1 Control Knob

Effortless control with a simple knob



Figure 6: Overview of the 4-in-1 smart knob's functionalities.

## 2. Real-time Audio Monitoring (USB Connection Only)

The 3.5mm headphone jack on the microphone allows for real-time sound monitoring. Connect your headphones to this jack to hear your audio input with ultra-low latency, enabling immediate adjustments to your sound.



Figure 7: Real-time audio monitoring via the 3.5mm headphone jack.

### 3. Supercardioid Pickup Pattern

The AM15X features a Supercardioid pickup pattern, which primarily captures sound directly in front of the microphone while minimizing sounds from the sides and rear. This design is ideal for isolating your voice and reducing unwanted background noise.

# Professional Dynamic Recording Microphone

Present clean and detailed sound without distortion



**24bit Depth**

*Greater Dynamic Range*

**≥125db SPL**

*Maintain More Originality*

**≥75db SN/R**

*Upgrade Audio Details*



Face the top of the mic  
toward the sound

Figure 8: The Supercardioid pickup pattern focuses on sound directly in front of the microphone.

## 4. Noise Cancellation

The built-in noise-canceling switch allows you to toggle AI-powered noise suppression. This feature effectively reduces background noise, such as keyboard typing or fan hum, ensuring clearer audio output.

# Advanced Noise Canceling for Studio Sound

Leading dynamic unit and noise reduction for exceptional sound delivery

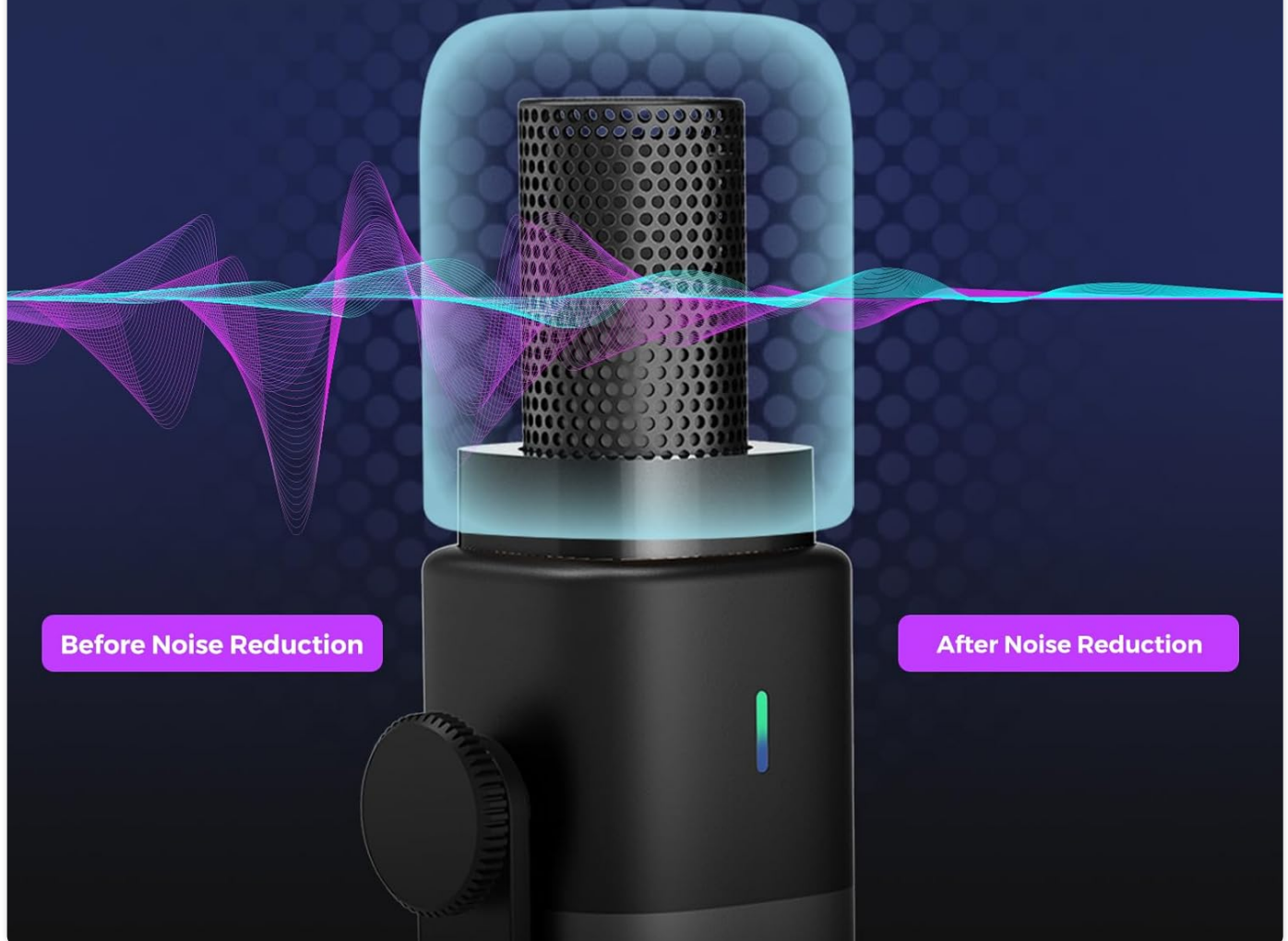


Figure 9: Noise cancellation effectively reduces background sounds for clearer audio.

## 5. Optimal Pickup Distance

For best results, position the AM15X microphone within a maximum pickup distance of 14 inches from the sound source. Adjust the microphone's position to suit your specific recording requirements.

## MAINTENANCE

To ensure the longevity and optimal performance of your NearStream AM15X microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the microphone's exterior. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use, store the microphone in a clean, dry environment, away from extreme temperatures and humidity.
- **Handling:** Handle the microphone with care. Avoid dropping it or subjecting it to strong impacts, which can affect its

internal components and sound quality.

- **Windscreen:** Regularly clean or replace the mic windscreen to maintain hygiene and acoustic performance.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your NearStream AM15X microphone.

### Common Questions and Solutions

- **Q: What devices does the NearStream USB/XLR Mic work with?**

**A:** This microphone is compatible with:

- Computers and PS4/PS5 via USB connection.
- Audio interfaces and mixers via XLR connection (note: XLR cable is not included).

- **Q: When connecting the microphone via XLR, do the gain adjustment and noise reduction buttons still work?**

**A:** No. XLR connections are typically used to link microphones to audio interfaces or instruments. To retain full button functionality (e.g., gain/noise reduction), simultaneously connect the microphone to your PC via USB alongside the XLR connection.

- **Q: Can this microphone be used with devices that only have a 3.5mm input (e.g., audio recorders)?**

**A:** Not directly. To connect the microphone's XLR output to a 3.5mm input, you would need an XLR-to-3.5mm adapter. However, this setup may compromise audio quality due to potential signal loss or noise interference. For optimal performance, we recommend using devices with native XLR or USB support (e.g., audio interfaces, mixers, computers, or consoles).

- **Q: My microphone is not being recognized by my computer via USB.**

**A:** Ensure the USB cable is securely connected to both the microphone and your computer. Try a different USB port or a different USB cable. Verify that the microphone is selected as the input device in your computer's sound settings.

- **Q: The noise cancellation feature doesn't seem to be working.**

**A:** The noise cancellation feature is only available when the microphone is connected via USB. Short press the smart knob to toggle noise cancellation on (blue indicator light).



Figure 10: Common questions regarding the AM15X microphone's functionality.

## SPECIFICATIONS

Feature	Specification
Model Name	AW-AM15X
Brand	NearStream

Feature	Specification
Connectivity Technology	USB, XLR
Connector Type	USB Type-C, XLR
Microphone Form Factor	Boundary
Polar Pattern	Super Cardioid
Audio Sensitivity	125 Decibels
Signal-to-Noise Ratio	70 dB
Item Weight	1.46 pounds
Product Dimensions (L x W x H)	5.63 x 9.37 x 4.49 inches
Power Source	Corded Electric
Hardware Platform	Laptop, PC
Number of Channels	1
Recommended Uses	Music Recording, Online Meeting, Podcasting, Sound Recording, Streaming

## WARRANTY AND SUPPORT

NearStream is committed to providing high-quality products and customer satisfaction. For any questions or concerns regarding your AM15X microphone, whether before or after your purchase, please contact NearStream customer support promptly. You can find contact information and additional resources on the official [NearStream Store on Amazon](#). Please retain your proof of purchase for any warranty claims or support inquiries.