

NEEWER NW-700

Neewer NW-700 Professional Studio Condenser Microphone User Manual

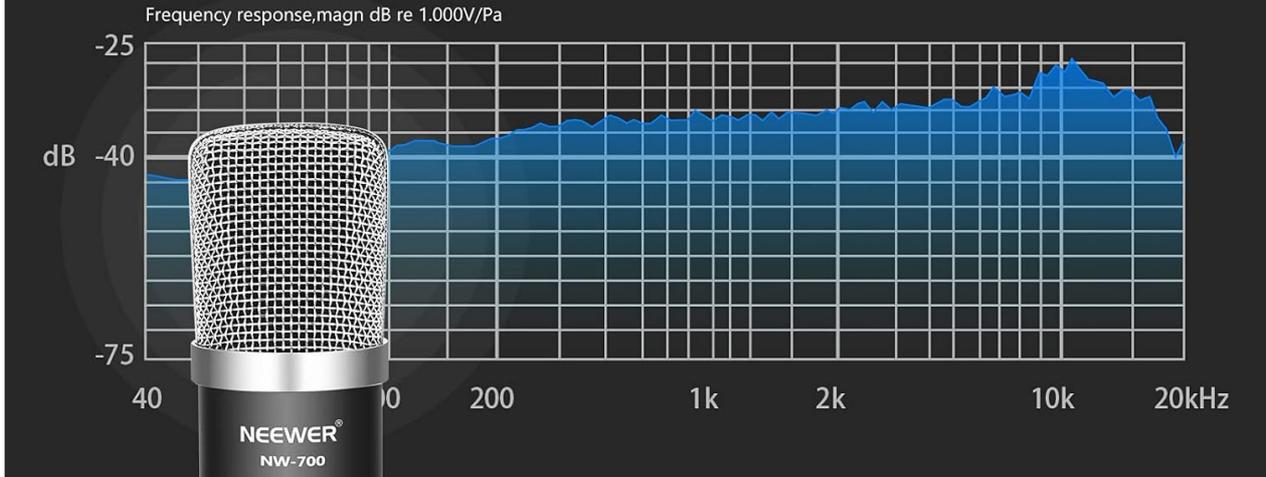
1. PRODUCT OVERVIEW

The Neewer NW-700 is a professional condenser microphone designed for broadcasting, recording, and various audio applications. It features a cardioid pick-up pattern to minimize background noise and isolate the main sound source, ensuring clear and full-bodied sound capture.

Included Components:

- NW-700 Professional Condenser Microphone (Black)
- Metal Microphone Shock Mount
- Ball-type Anti-wind Foam Cap
- Microphone Power Cable (XLR to 3.5mm)

Condenser microphone

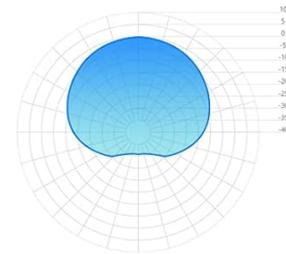


40Hz-20kHz
Frequency response

-36.8mV
0dB-1V/Pa at 1kHz
Sensitivity

The condenser microphone only works with device that could provide enough power (**Voltage required:5V**) for it

1. When connected with desktop computer ,the microphone could be used alone
2. When connected with laptop computer ,please connected the laptop to electrical outlet ,or use a 48V phantom power to get enough power if the sound is not clear and high enough . (**Note: The phantom power is not included**)



Cardioid polar pattern

Image 1: Neewer NW-700 microphone with its frequency response and cardioid polar pattern characteristics. The microphone is black with a silver mesh grille. The frequency response graph shows a range of 40Hz-20kHz, and the polar pattern diagram illustrates its unidirectional (cardioid) pickup.

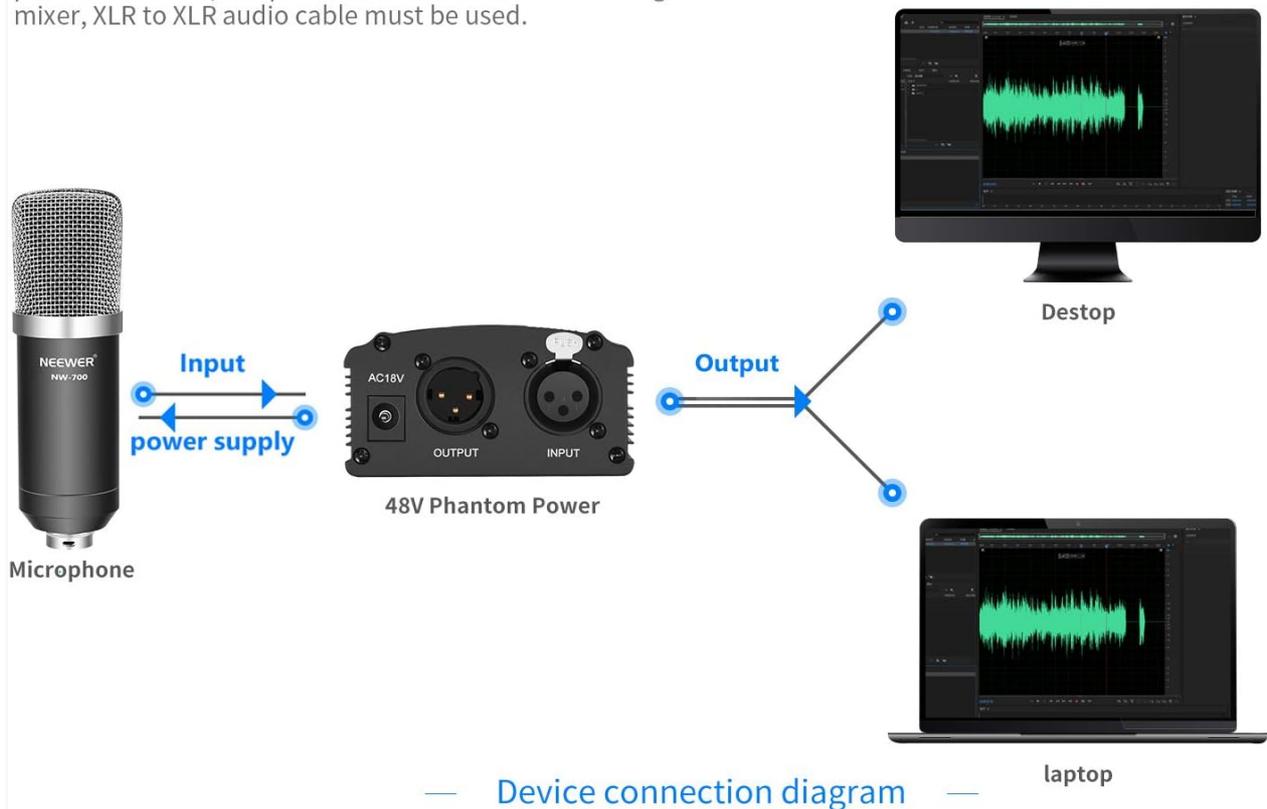
2. SETUP INSTRUCTIONS

Power Requirement:

The NW-700 condenser microphone requires external power to operate. It can function with a minimum of 5V, but for optimal performance and clear audio, a 48V phantom power supply is highly recommended. The included cable is XLR to 3.5mm, suitable for direct connection to a computer's microphone input. However, for use with a mixer or a dedicated phantom power supply, an XLR to XLR audio cable (not included) is necessary.

Use phantom power to achieve 100% using effect

It will get a better effect when used together with phantom power or a mixer, but please note that when connecting to a mixer, XLR to XLR audio cable must be used.



NOTE:

It is recommended to use with phantom power to achieve better user experience.

The 3.5mm audio cable included in the package cannot be adapted to the mixer. You need to purchase an XLR audio cable by yourself.

Image 2: Device connection diagram illustrating the Neewer NW-700 microphone connected to a 48V Phantom Power unit, which then connects to either a desktop computer or a laptop. This setup ensures the microphone receives adequate power for optimal performance.

Shock Mount Installation:

The metal shock mount is designed to reduce handling noise and vibrations. It features an angle adjustment with a locking knob for precise positioning. The shock mount can expand to a maximum diameter of 1.97 inches (5 cm) to securely hold the microphone. To install the microphone, gently press the clip to open the mount and insert the microphone.

Microphone Shock Mount

Microphone shock absorber can effectively reduce the noise and vibration caused by the microphone to ensure high fidelity of the sound.



180 degree adjustable



φExpanded maximum diameter
1.97 inches/5 cm



The microphone can be installed
after pressing the clip

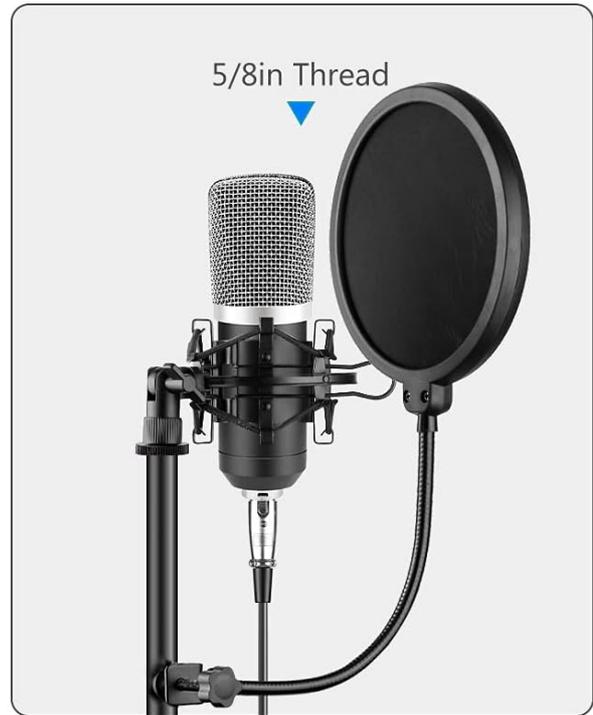
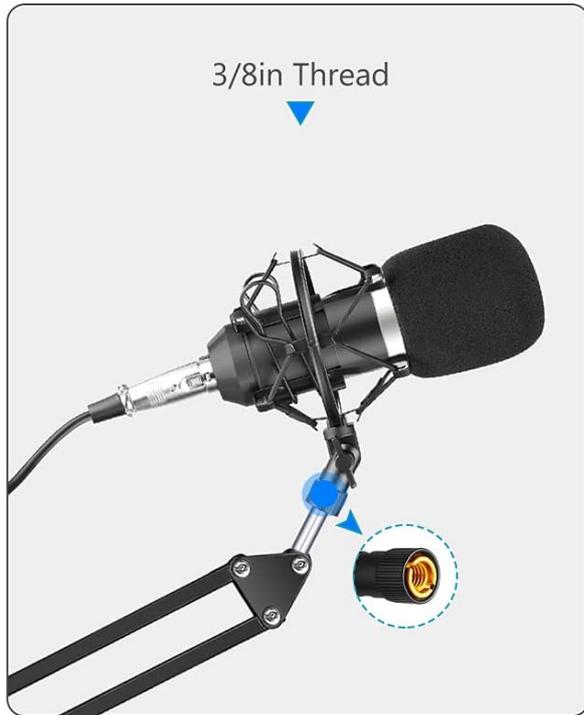
Image 3: Close-up views of the microphone shock mount. It highlights the 180-degree adjustable angle and the mechanism for installing the microphone by pressing a clip. The expanded maximum diameter is specified as 1.97 inches (5 cm).

Using the 3/8 to 5/8 inch Screw Thread Adapter:

The shock mount can be connected to various microphone stands using the appropriate screw thread. If your microphone suspension arm uses a 3/8 inch thread, connect it to the shock mount using the provided 5/8"-3/8" screw adapter. If your microphone stand has a 5/8 inch thread, you can directly connect the shock mount without an adapter.

How to Use 3/8 to 5/8 inch Screw Thread Adapter

Note: Only the NW-700 microphone and the shock mount are included



Connect the shock mount with microphone suspension arm through the 5/8"-3/8" screw adapter



Directly connect the shock mount with microphone stand with 5/8" thread

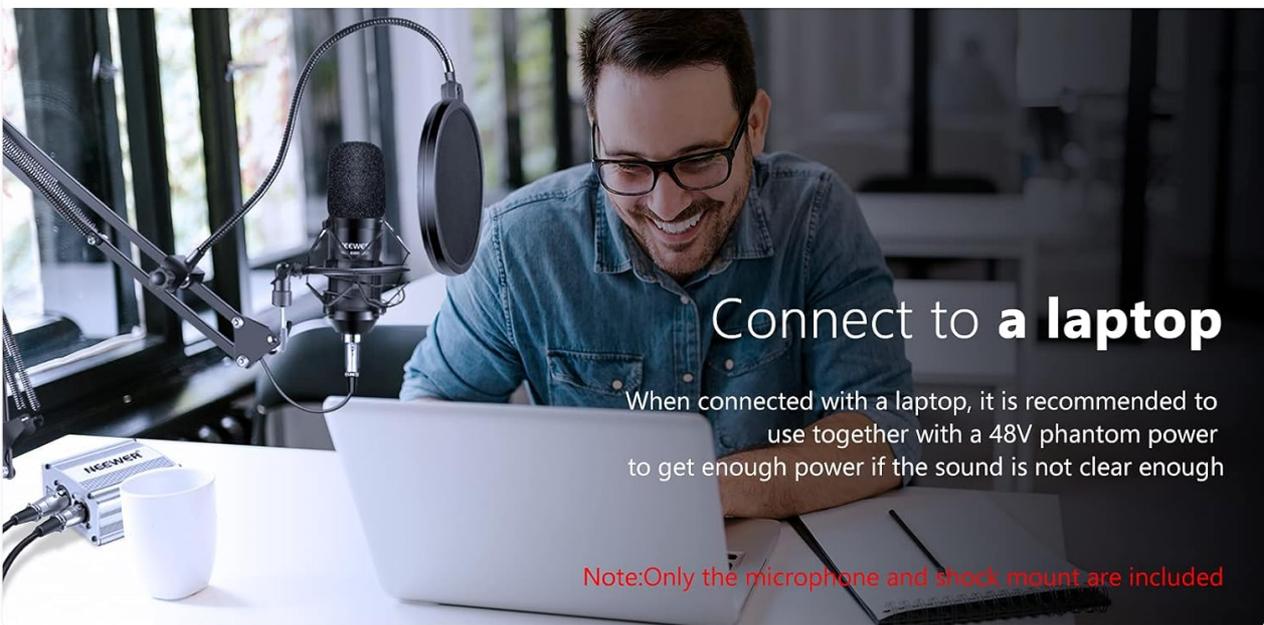
Image 4: Visual guide on connecting the shock mount to different microphone stands. It shows using a 3/8 inch thread with a 5/8"-3/8" screw adapter for a suspension arm, and directly connecting to a 5/8 inch thread microphone stand.

Connecting to a Computer:

The microphone can be directly connected to a desktop computer using the included XLR to 3.5mm cable. For laptops, it is recommended to use a 48V phantom power supply to ensure sufficient power and clear audio, as laptop microphone inputs may not provide adequate voltage.

Connect to a desktop computer

The microphone can be directly connected to a desktop computer to use via the mic cable



Connect to a laptop

When connected with a laptop, it is recommended to use together with a 48V phantom power to get enough power if the sound is not clear enough

Note: Only the microphone and shock mount are included

Image 5: Two scenarios of connecting the microphone. The top image shows the microphone connected to a desktop computer. The bottom image shows the microphone connected to a laptop, emphasizing the recommendation for a 48V phantom power supply for laptops if the sound is not clear enough.

3. OPERATING THE MICROPHONE

The NW-700 microphone is ideal for capturing vocals and instruments in various settings, including home studios, broadcasting, and gaming. Its cardioid pickup pattern focuses on sound directly in front of the microphone, reducing unwanted ambient noise.

Using the Anti-wind Foam Cap:

Attach the ball-type anti-wind foam cap to the microphone to protect it against wind interference and plosive sounds (e.g., 'p' and 'b' sounds) from speakers or singers. This helps in achieving cleaner audio recordings.

Positioning:

Utilize the shock mount's angle adjustment to position the microphone optimally for your sound source. For vocals, position the microphone a few inches from the speaker's mouth. For instruments, experiment with distances and angles to capture the desired tone.



Image 6: A collage demonstrating the microphone's versatility. It shows the microphone set up for audio recording (with a person playing a guitar) and for gaming (next to a computer monitor and keyboard).

4. MAINTENANCE

To ensure the longevity and optimal performance of your Neewer NW-700 microphone, follow these maintenance guidelines:

- Always use the anti-wind foam cap to protect the microphone capsule from moisture and dust.
- Store the microphone in a dry, clean environment when not in use.
- Avoid dropping or subjecting the microphone to harsh impacts, as this can damage internal components.
- Clean the exterior of the microphone with a soft, dry cloth. Do not use liquid cleaners or solvents.

5. TROUBLESHOOTING

No Sound or Low Volume:

- **Check Power Supply:** The NW-700 is a condenser microphone and requires phantom power. Ensure it is connected to a device providing at least 5V, or preferably 48V, phantom power.
- **Correct Cable Usage:** If connecting to a mixer or dedicated phantom power unit, use an XLR to XLR cable. The included XLR to 3.5mm cable is primarily for direct computer connection, which may not provide sufficient power for optimal volume.
- **Input Settings:** Verify that the correct microphone input is selected in your computer's sound settings or recording software, and that input levels are appropriately adjusted.

Static or Background Noise:

- **Grounding Issues:** Some PCs or laptops may introduce static noise through their audio ports. Using a USB audio interface or a USB converter for your microphone input can help eliminate this static.
- **Cable Quality:** Ensure the audio cable is in good condition and properly connected. A faulty or unshielded cable can introduce noise.
- **Environment:** Minimize electrical interference from other devices or poor room acoustics.

6. SPECIFICATIONS

Feature	Specification
Model Name	NW-700 (Item model number: 40084726)
Brand	NEEWER
Microphone Form Factor	Microphone Only
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	Wired
Connector Type	XLR
Frequency Response	16 KHz (range 40Hz-20kHz as per image)
Audio Sensitivity	132 Decibels
Signal-to-Noise Ratio	78 dB
Power Source	Battery Powered (requires external phantom power)

Number of Batteries	1 Lithium Ion battery required (for phantom power unit, not microphone itself)
Item Weight	11 Ounces
Product Dimensions (L x W x H)	8.07 x 7.09 x 2.76 inches
Material	Foam (for anti-wind cap)
Compatible Devices	Personal Computer
Special Feature	Stand (referring to shock mount)

For further assistance or support, please refer to the official NEEWER website or contact customer service.