

NEEWER NW-81

Neewer NW-81 Microphone Kit Instruction Manual

Model: NW-81 | Brand: NEEWER

1. INTRODUCTION AND OVERVIEW

The Neewer NW-81 Microphone Kit is a comprehensive audio solution designed for various recording applications, particularly with cameras and camcorders. This uni-directional condenser shotgun microphone system is engineered to capture clear audio from a specific direction, minimizing ambient noise. The kit includes essential accessories such as a furry windscreen muff and connection cables, providing versatility and improved sound quality in diverse environments.

This manual provides detailed instructions for the setup, operation, and maintenance of your NW-81 Microphone Kit to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Gun Microphone (14.17 inches / 36 cm long, metal body)
- 1 x Anti-wind Foam Cap
- 1 x Microphone Furry Windscreen Muff (NW-MIC-121)
- 2 x Microphone Stands (mounts)
- 1 x Stereo Jack Adaptor (0.25 inch / 6.35mm jack to mini 0.14 inch / 3.5mm)
- 1 x Cable (XLR to 3.5mm/6.35mm)



Image: All components included in the Neewer NW-81 Microphone Kit, showing the shotgun microphone, foam cap, furry windscreen, stands, and cables.



Image: An overhead view of the Neewer NW-81 Microphone Kit, displaying the microphone, foam windscreen, furry windscreen, connection cable, and two microphone stands.

3. FEATURES

- **Uni-directional Pickup:** Designed to capture sound primarily from the direction it is pointed, reducing side and rear noise.
- **Condenser Capsule:** Provides high sensitivity and a wide frequency response for clear audio capture.
- **Dual Modes:** Features "Normal" and "Tele" modes for voice pick-ups at different distances.
- **Anti-wind Foam Cap:** Helps to eliminate wind noise during recording.
- **Furry Windscreen Muff (NW-MIC-121):** Minimizes wind noise and other environmental interference, especially effective outdoors.
- **Versatile Connectivity:** Includes a 0.25in (6.35mm) stereo jack to mini 0.14in (3.5mm) jack adaptor for broad compatibility.
- **Battery Powered:** Operates on DC1.5V (one NO. 5 battery, not included) with approximately 26 hours of working time.

4. SETUP GUIDE

4.1 Battery Installation

1. Unscrew the rear cap of the microphone body.
2. Insert one NO. 5 (AA) battery into the battery compartment, ensuring correct polarity (+/-).
3. Screw the rear cap back on securely.



Image: Illustration showing how to unscrew the microphone's end cap and insert the battery for power.

4.2 Mounting the Microphone

Attach the microphone to one of the provided microphone stands (mounts). These stands can then be mounted onto a camera's hot shoe or a standard tripod/light stand with a 1/4-inch screw.

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Image: The Neewer NW-81 microphone mounted on a DSLR camera, demonstrating its typical usage setup.

4.3 Connecting to Your Device

1. Connect the XLR end of the provided cable to the microphone's output port.
2. Connect the 3.5mm jack end of the cable to your camera's or camcorder's microphone input port.
3. If your device requires a 6.35mm input, use the included 0.25in (6.35mm) stereo jack to mini 0.14in (3.5mm) jack adaptor.

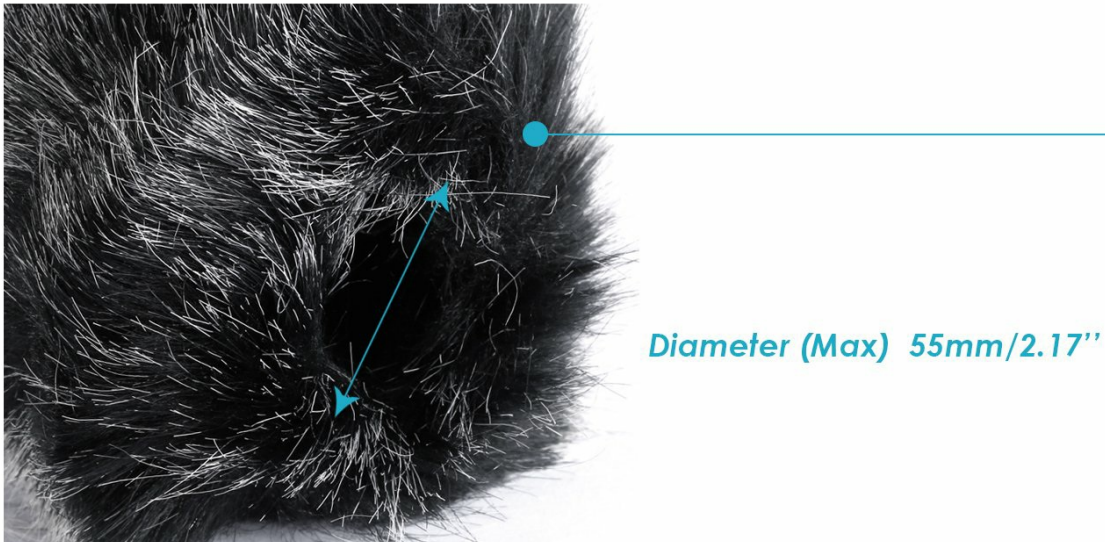
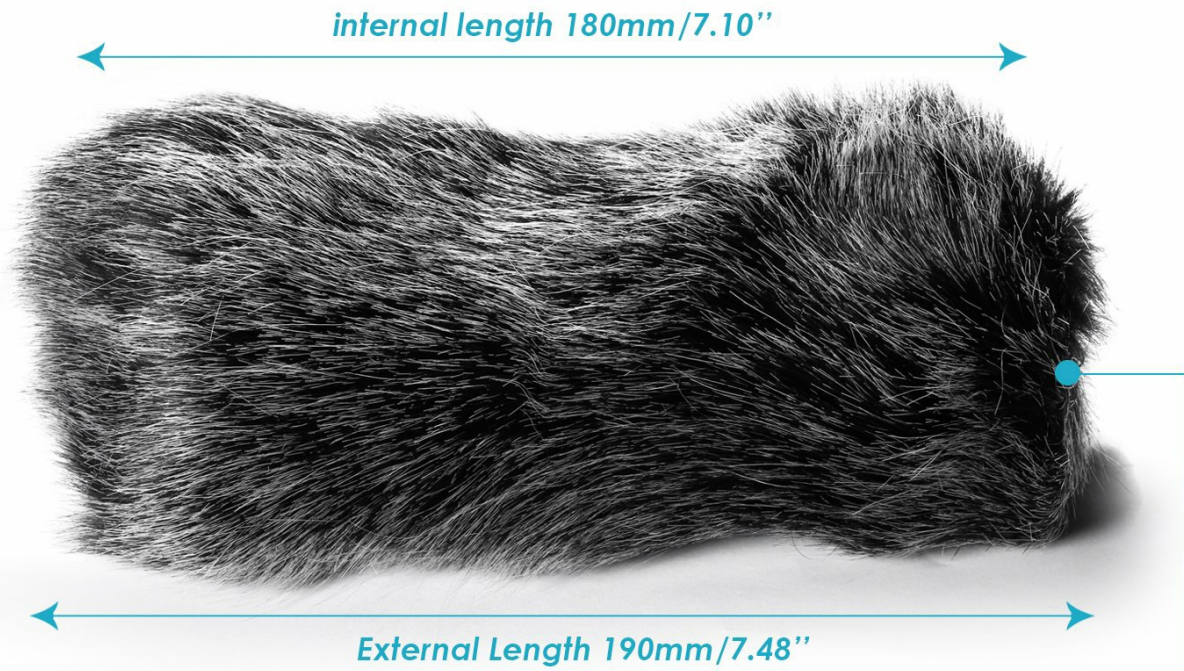


Image: Detailed view of the microphone's XLR output and the various cable connectors, including the 3.5mm jack and the 6.35mm adapter.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Mode Selection

Locate the switch on the microphone body. This switch controls the power and operating mode:

- **OFF:** Powers off the microphone.
- **NORMAL:** Standard operating mode for close to medium distance audio capture.
- **TELE:** Tele-condenser mode for long-distance audio capture, increasing sensitivity for distant sounds.



Image: Close-up of the Neewer NW-81 microphone's body, highlighting the switch for OFF, NORMAL, and TELE modes.

5.2 Using the Windscreen

- **Foam Cap:** Slide the foam cap over the microphone head to reduce light wind noise and plosives during indoor or light outdoor use.
- **Furry Windscreen Muff:** For significant wind noise reduction, especially in outdoor environments, slide the furry windscreen muff over the foam cap. Ensure it covers the microphone head completely.



Image: The Neewer NW-81 microphone with the furry windscreen muff installed, demonstrating its appearance when ready for use in windy conditions.



Image: Diagram showing the internal and external dimensions of the furry windscreen muff, indicating its compatibility with the microphone.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents.
- **Storage:** Store the microphone and accessories in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Battery:** Remove the battery if the microphone will not be used for an extended period to prevent leakage.
- **Windscreen Care:** The foam cap and furry windscreen can be gently cleaned with a damp cloth and allowed to air dry completely before re-use or storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound or low volume	<ul style="list-style-type: none"> ◦ Microphone is OFF. ◦ Battery is dead or incorrectly installed. ◦ Cable not properly connected. ◦ Camera/device audio input settings incorrect. 	<ul style="list-style-type: none"> ◦ Switch microphone to NORMAL or TELE mode. ◦ Replace battery or ensure correct polarity. ◦ Check all cable connections. ◦ Adjust camera/device audio input levels and ensure microphone input is selected.
Excessive background noise/wind noise	<ul style="list-style-type: none"> ◦ No windscreen used or incorrect type for conditions. ◦ Microphone picking up off-axis sounds. ◦ Gain too high on recording device. 	<ul style="list-style-type: none"> ◦ Use the appropriate windscreen (foam for light wind, furry for strong wind). ◦ Ensure microphone is pointed directly at the sound source. ◦ Lower the input gain on your recording device.
Distorted audio	<ul style="list-style-type: none"> ◦ Input level too high (clipping). ◦ Faulty cable. 	<ul style="list-style-type: none"> ◦ Reduce the input gain on your recording device. ◦ Try a different cable.

8. SPECIFICATIONS

Feature	Detail
Microphone Type	Condenser
Directional Pattern	Uni-directional
Normal Impedance	2.3 Kiloohms (Short distance)
Effective Pickup Range	9.8 ft / 3 m
Power Supply	DC1.5V (1 x NO. 5 battery)
Battery Working Time	Approx. 26 hours
Signal-to-noise ratio	75 dB
Microphone Length	14.17 inches / 36 cm
Furry Windscreen Internal Length	180mm / 7.1 inches
Furry Windscreen External Length	190mm / 7.48 inches
Furry Windscreen Max Diameter	55mm / 2.17 inches
Connectivity Technology	Auxiliary, XLR

Feature	Detail
Connector Type	6.35 mm Jack, 3.5 mm Jack, XLR
Compatible Devices	Camera

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official NEEWER website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact NEEWER customer service through their official channels.



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