

Sennheiser 504791

Sennheiser MEG 14-40 Gooseneck Condenser Microphone User Manual

Model: 504791

INTRODUCTION

The Sennheiser MEG 14-40 is a high-performance gooseneck condenser microphone designed for clear vocal reproduction in various settings such as lectures, seminars, and conferences. Its flexible design allows for precise positioning, ensuring optimal sound capture. Featuring a cardioid pickup pattern and RF shielding, it minimizes unwanted background noise and interference, delivering focused and clear audio.



Figure 1: Sennheiser MEG 14-40 Gooseneck Condenser Microphone. This image shows the microphone's sleek black design with its flexible gooseneck and foam windscreen.

SETUP

Setting up your Sennheiser MEG 14-40 is straightforward. The microphone features a standard XLR connector for easy integration into most audio systems. Ensure your audio system provides phantom power, as this is a condenser microphone. The 15.75-inch flexible gooseneck allows for optimal positioning to capture your voice effectively.

1. **Connect the Microphone:** Insert the XLR connector of the MEG 14-40 into a compatible XLR input on your mixer or audio interface. Ensure a secure connection.

2. **Activate Phantom Power:** If your mixer or interface does not automatically supply phantom power, activate the +48V phantom power for the connected input channel. The microphone requires phantom power to operate.
3. **Position the Gooseneck:** Adjust the flexible 15.75-inch gooseneck to position the microphone capsule approximately 6-12 inches from the speaker's mouth for optimal sound capture. The gooseneck is designed to be unobtrusive and easy to position.
4. **Check Audio Levels:** Before use, perform a sound check to adjust input gain and ensure clear audio without clipping or distortion.

Your browser does not support the video tag.

Video 1: This video demonstrates the general setup of a gooseneck condenser microphone, including connecting it to a base. While not specific to the Sennheiser MEG 14-40, it illustrates common setup procedures. (Source: Julianne-US)

OPERATING INSTRUCTIONS

The Sennheiser MEG 14-40 is designed for vocal applications, providing excellent clarity and feedback rejection. Its KE10 microphone capsule features a cardioid pickup pattern, which is highly effective at capturing sound directly in front of the microphone while reducing sounds from the sides and rear. This helps to isolate the speaker's voice and minimize ambient noise.

- **Optimal Speaking Distance:** Speak directly into the microphone capsule from a distance of 6-12 inches. This distance helps maintain consistent audio levels and clarity.
- **Cardioid Pattern Awareness:** Be mindful of the microphone's cardioid pickup pattern. Position the microphone so that the primary sound source (the speaker) is directly in front of the capsule, and unwanted noise sources are to the sides or rear.
- **RF Shielding:** The integrated RF shielding protects against intermodulation from wireless devices, ensuring a clean signal even in environments with multiple wireless systems.

Your browser does not support the video tag.

Video 2: This product overview video showcases a gooseneck microphone's features and flexibility. While it is for a different model (Shure B0075DS728), it provides useful visual context for operating a gooseneck microphone. (Source: Amazon Product Imaging)

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Sennheiser MEG 14-40 microphone.

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone body and gooseneck. Avoid using liquid cleaners or solvents, as they can damage the microphone's components.
- **Windscreen Care:** The foam windscreen can be gently removed and cleaned with mild soap and water if necessary. Ensure it is completely dry before reattaching.
- **Storage:** When not in use, store the microphone in a clean, dry environment, preferably in its original packaging or a protective case, to prevent dust accumulation and physical damage.
- **Cable Inspection:** Periodically inspect the XLR cable for any signs of wear, fraying, or damage. Replace damaged cables to ensure reliable performance.

TROUBLESHOOTING

If you encounter issues with your Sennheiser MEG 14-40, refer to the following common troubleshooting steps:

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

Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none"> No phantom power (+48V) supplied. Incorrect cable connection. Faulty cable. Mixer/interface input gain too low. 	<ul style="list-style-type: none"> Ensure +48V phantom power is activated on the input channel. Verify XLR cable is securely connected at both ends. Test with a different XLR cable. Increase the input gain on your mixer/interface.
Poor Sound Quality / Low Volume	<ul style="list-style-type: none"> Incorrect microphone positioning. Excessive background noise. Input gain too high (causing distortion) or too low. 	<ul style="list-style-type: none"> Adjust the gooseneck to position the microphone closer to the speaker (6-12 inches). Ensure the cardioid pattern is facing the sound source and away from noise. Adjust input gain to an appropriate level, avoiding clipping.
Interference / Buzzing Noise	<ul style="list-style-type: none"> Electromagnetic interference from other devices. Ground loop issues. 	<ul style="list-style-type: none"> Relocate the microphone away from potential sources of interference (e.g., power supplies, wireless transmitters). Ensure all audio equipment is properly grounded.

SPECIFICATIONS

Feature	Detail
Brand	Sennheiser
Model Name	MEG 14-40
Model Number	504791
Connectivity Technology	Wired
Connector Type	XLR
Polar Pattern	Unidirectional (Cardioid)
Audio Sensitivity	26 Decibels
Impedance	600 Ohms
Frequency Range	50 Hz - 20,000 Hz
Signal-to-Noise Ratio	26 dB
Item Weight	0.2 Kilograms
Item Dimensions	7.87 x 1.69 x 8.35 inches
Color	Black
Enclosure Material	Metal
Recommended Uses	Live voice services

WHAT'S IN THE BOX

- Sennheiser MEG 14-40 Gooseneck Condenser Microphone

Note: Additional accessories such as a foam windscreen or mounting hardware may be included depending on the specific product package. Please refer to your product's retail packaging for a complete list of contents.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Sennheiser website or contact their customer service directly. Keep your proof of purchase for any warranty claims.