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USER'S GUIDE



SCS-98

DSLR STEREO MICROPHONE

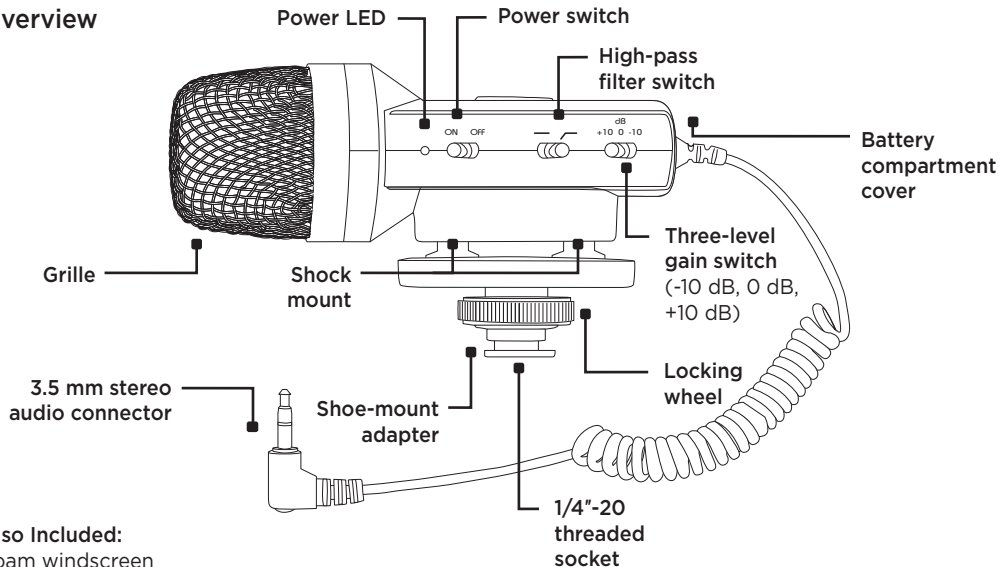
Thank you for choosing Senal.

The Senal SCS-98 DSLR Stereo Microphone is designed for recording live stereo audio directly to your DSLR or portable recorder. The SCS-98's two cardioid capsules are arranged in an XY pattern to achieve accurate, natural stereo imaging. This makes it ideal for location recording, broadcast applications, live performances, and capturing soundscapes in outdoor environments. Compact and lightweight, the SCS-98 attaches to your camera's shoe mount and plugs into its audio input, replacing the built-in microphone so you can capture pristine audio with realistic stereo imaging for your video productions.

Among the benefits you'll enjoy:

- High-pass filter
- Three-level gain switch (-10 dB, 0 dB, +10 dB)
- Integrated shock mount
- Shoe-mount adapter with 1/4"-20 threaded socket
- Power LED

Overview



Also Included:
Foam windscreen
User manual

Precautions

- Please read and follow these instructions and keep this manual in a safe place.
- Keep this product away from water and flammable gases or liquids.
- Do not attempt to disassemble or repair this product yourself.
- Handle this product with care.
- Clean this product with only a soft, dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- To avoid damaging this product, remove the battery before long-term storage.
- All photos are for illustrative purposes only.

Installing the Battery

The SCS-98 runs on a single AAA battery (not included). To install a battery, make sure the SCS-98 is turned off and follow these steps:

1. Press down on the labeled battery compartment and push it in the direction of the arrow to swing it open.
2. Insert the battery in the orientation indicated by the illustration inside the compartment.
3. Close the battery compartment cover by swinging it shut in the opposite direction of the arrow and pressing as labeled to lock the cover in place.

Mounting the SCS-98 and Turning It On

The SCS-98 attaches to your camera via the shoe-mount adapter under the shock mount. To attach the microphone to your camera, make sure the SCS-98 is turned off and follow these steps:

1. Rotate the locking wheel counterclockwise to loosen it.
2. Slide the shoe-mount adapter all the way into your camera's shoe mount.
3. Rotate the locking wheel clockwise until secure.

4. Insert the microphone's 3.5 mm audio connector into your camera's audio input jack.

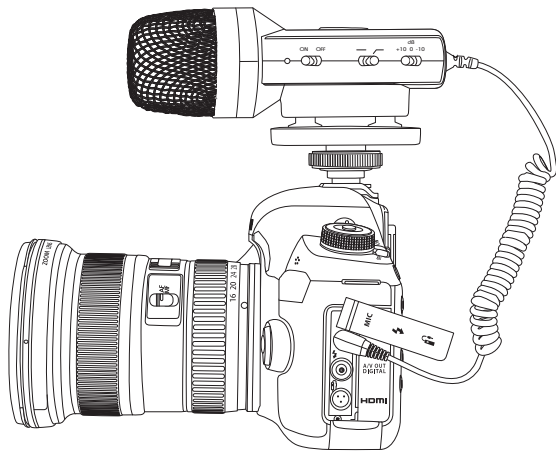
You can also mount the SCS-98 onto a boom pole via the 1/4"-20 threaded socket in the shoe-mount adapter. To mount the microphone onto a boom pole, make sure the SCS-98 is turned off and follow these steps:

1. Match the 1/4"-20 threaded post on the end of the boom pole with the threaded socket in the SCS-98's shoe-mount adapter.
2. Screw the boom pole into the threaded socket until secure.
3. Insert the microphone's 3.5 mm audio connector into the female end of a 3.5 mm stereo extension cable (not included).

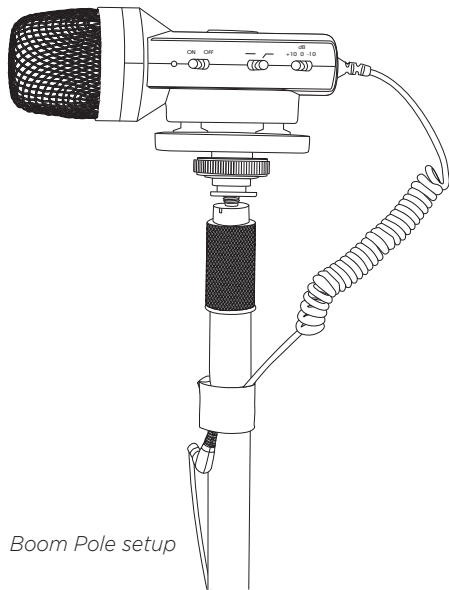
Note: Make sure the extension cable is long enough to reach from your audio recorder to the microphone at the end of the boom pole.

4. Insert the extension cable's 3.5 mm male audio connector into the audio input jack of your audio recorder.

To turn on the microphone, slide the power switch to the ON position. The power LED will glow red momentarily to indicate that the power is on, and then will turn off to conserve power.





Camera setup



Boom Pole setup

Using the High-Pass Filter

The high-pass filter is set to eliminate noise and ambience below 80 Hz. This helps prevent the microphone from picking up low-frequency noises that can interfere with your recording, like the rumble from an air conditioner.

To turn on the high-pass filter, slide the high-pass filter switch so it rests under the  marking. To turn off the high-pass filter, slide the switch so it rests under the  marking.

Using the Three-Level Gain Switch

The three-level gain switch provides a +10 dB boost or -10 dB pad. Boosting the microphone's gain can be useful for picking up low-level or distant sounds in a quiet environment. To boost the microphone's gain by 10 dB, slide the three-level gain switch so it rests under the +10 dB marking.

The -10 dB pad attenuates the microphone's gain stage by 10 dB. This lowers the signal output to help prevent distortion when recording loud sounds. To turn on the attenuation pad, slide the three-level gain switch so it rests under the -10 dB marking.

To return the microphone's gain to normal, slide the switch so it rests under the 0 dB marking.

The Windscreen

The SCS-98 comes with a foam windscreen that helps reduce wind noise. To fit the windscreen onto the microphone, rotate the windscreen while gently pushing it onto the microphone's grille. Make sure that the windscreen covers the entire grille.

Troubleshooting

Problem	Solution
The microphone is stuck in the camera's shoe mount.	Make sure the locking wheel is fully loosened.
The microphone will not turn on.	Make sure that a fresh battery is installed and is in the proper orientation.
The sound is distorted.	Make sure the microphone's audio connection cable is fully plugged into the audio input jack on your camera or audio recorder. Turn off the +10 dB boost on the microphone.
The sound is too low.	Turn off the -10 dB pad on the microphone.

Specifications

Transducer type:	Back electret condenser
Pattern:	XY stereo cardioid
Frequency response:	50 Hz to 18 kHz
Sensitivity:	-69 dB \pm 3 dB (0 dB = 1 V/microbar at 1 kHz indicated by open circuit)
SPL:	120 dB, 1 kHz @ 1% THD
Three-level gain switch:	-10, 0, +10 dB
Output impedance:	200 Ω \pm 30% (at 1 kHz)
Connector	Right-angle 3.5 mm stereo male
Power requirement:	One AAA battery (not included)
Cable:	Fixed, 7" (2" straight + 3" coiled + 2" straight); 17.8 cm (5.1 cm straight + 7.6 cm coiled + 5.1 cm straight)
Dimensions:	5.0" \times 1.8" \times 2.8" (12.7 \times 4.5 \times 7.2 cm)
Weight (with battery):	5.4 oz. (152 g)

Ten-Year Limited Warranty

This Senal product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of ten (10) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Senal Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Senal along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.senalsound.com or call Customer Service at 212-594-2353.

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www.gradusgroup.com

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