

SR30/HC

Multi-Purpose Hypercardioid
High Definition Microphone™

User's Guide



Product Registration

To help you get the most out of your Earthworks purchase, please take a moment and register your product with us online at earthworksaudio.com/register.

Service & Repair

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 **Earthworks**[®]
HIGH DEFINITION MICROPHONES™

Description

The Earthworks SR30/HC is a directional pre-polarized condenser microphone with a first-order hypercardioid pickup pattern directly coupled to a dedicated wide-band, low output impedance transformerless preamplifier. The SR30/HC requires a standard 24-48V Phantom Power supply. It features a flat frequency response from 30Hz to 30kHz, fast impulse response, very low handling noise, uniform polar pattern, and high SPL handling capabilities. It provides excellent uncolored rejection of sounds arriving off-axis.

Each microphone is delivered with its own calibration chart providing the individually measured frequency response curve. A mounting clip is included with the microphone.

Applications

The Earthworks SR30/HC is easy to operate. Connect the microphone to a microphone preamplifier supplying 24-48V phantom power using a standard XLR microphone cable. Please allow up to one minute for the microphone to settle. Plugging in the microphone “hot” (phantom power already present at the input) will not damage the microphone, and is actually preferred for faster settling. It is normal for any phantom powered mic to “pop” when plugged in or powered up. Make sure to mute the signal to speakers or headphones when phantom power is first applied.

The excellent performance characteristics of the SR30/HC make it ideal for a wide range of applications. In the studio or on the stage the SR30/HC is an ideal choice for a variety of instruments including sax, flute, trumpet, guitar, piano, and percussion. It is superior for choir because it doesn’t spotlight. Rather, it picks up an entire section with no hot spots. The SR30/HC is popular among concert tapers because of its open uncolored sound and among jazz enthusiasts for its ability to capture explosive performances while retaining the subtle nuances of artistic expression.

This microphone has no removable parts.

Care of Microphone

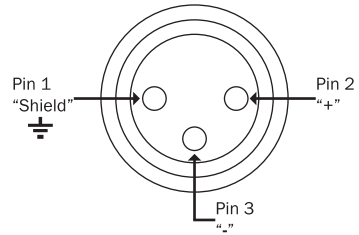
The Earthworks SR30/HC microphone is a precision instrument designed and built to provide years of top performance. Following these simple rules will help to protect your investment in the SR30/HC:

- Avoid touching the front protective screen.
- Never attempt to disassemble the microphone – it cannot be opened.
- Avoid extreme heat and condensing humidity. Allow the microphone to warm up in the case when bringing it in from the cold weather.
- Rough handling may damage the microphone even if no visible marks are left.
- When not in use keep the SR30/HC in its case.

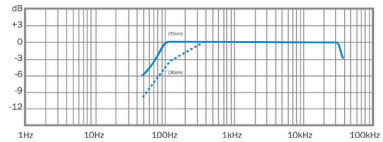
Specifications

- Frequency response: 100Hz to 30kHz
- Polar Pattern: Hypercardioid
- Sensitivity: 20mV/Pa (-34dBV/Pa)
- Power Requirements: 24-48V Phantom, 10mA
- Peak Acoustic Input: 139dB SPL
- Output: XLR-3
- Output Impedance: 65Ω, balanced between pins 2 & 3
- Minimum Load: 600Ω btw. pins 2 & 3
- Noise: 16dB, A equivalent
- Dimensions L x D: 229 x 22 mm (9 x .860 in.)
- Weight: 225g (.51lb)

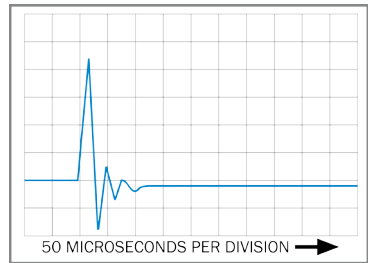
Specifications are subject to change without notice.



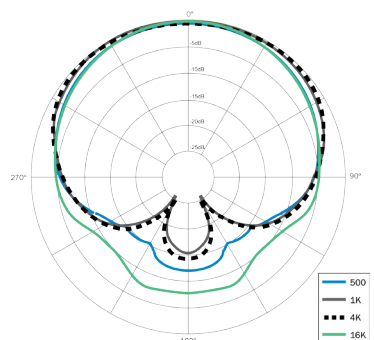
XLR Output Connector Assignment of SR30/HC



Frequency Response of SR30/HC (typical)



Impulse Response of SR30/HC (typical)



Polar Response of SR30/HC (typical)