



SR40V

Handheld High Definition
Vocal 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

If you have any problems with your Earthworks products, please contact our Service & Repairs Department.

Email: returns@earthworksaudio.com

Telephone: (603) 654-2433, ext. 119

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MADE IN USA

earthworksaudio.com

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

Description



The Earthworks SR40V 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 SR40V requires standard 24-48V Phantom Power. It features a frequency response from 20Hz to 40kHz, fast impulse response, very low handling noise, near-perfect polar response, and high SPL handling. The SR40V is excellent in rejecting sounds at the rear of the microphone and providing more gain before feedback in live sound applications.

Each SR40V microphone is thoroughly tested and measured to ensure it meets its exceptional specifications. A mounting clip is included with the microphone.

Applications

The Earthworks SR40V 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 cause a "pop" in the audio or recording system when initially plugged in or powering up. Make sure to mute the signal to speakers or headphones when phantom power is first applied to the microphone.

The excellent performance of the SR40V make it an exceptional vocal microphone in the studio or on the stage, and is an ideal choice for vocals, voice-overs and instrumental applications. The SR40V's extended frequency response, fast impulse response and short diaphragm settling time allow it to capture explosive performances while preserving the subtle nuances of artistic expression. It is excellent in rejecting sounds from the rear of the microphone and providing more gain before feedback in live sound applications.

Care of Microphone

The Earthworks SR40V 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 SR40V:

- 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 SR40V in its case.

Specifications

Frequency response: 20Hz to 40kHz

Polar Pattern: Hypercardioid

Sensitivity: 10mV/Pa (-40dBV/Pa)

Power Requirements: 24-48V Phantom, 10mA

Peak Acoustic Input: 145dB SPL

Output: XLR-3

Output Impedance: 65Ω, balanced between pins 2 & 3

Minimum Load: 600Ω btw. pins 2 & 3

Noise: 20dB, A equivalent

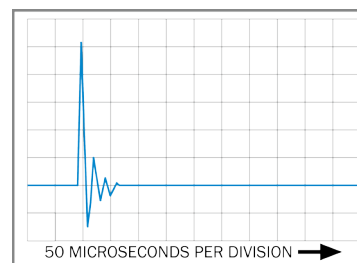
Dimensions L x D: 7.25 in. (184mm) long

max diameter 1.95 in. (55.3mm)

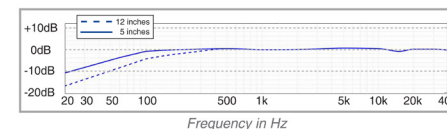
min diameter .97 in. (27.5mm)

Weight: 363g (12.8 oz.)

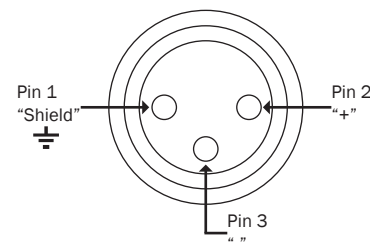
Specifications are subject to change without notice.



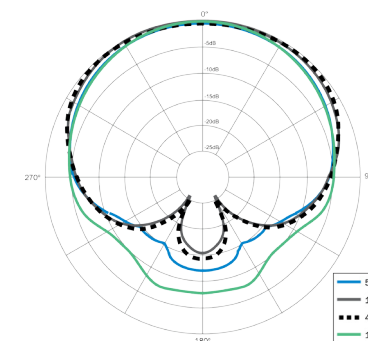
Impulse Response of SR40V (typical)



Frequency Response of SR40V (typical)



XLR Output Connector Assignment of SR40V



Polar Response of SR40V (typical)