

Technical Support

Should you have any questions regarding your SR40V microphone please contact us:

e-mail: Support@EarthworksAudio.com
phone: 1-603-654-6427, ext. 20 (9am-5pm ET)

For warranty and product return/exchange information please refer to the back of the enclosed Calibration Chart.

FIFTEEN-YEAR WARRANTY

All Earthworks products (excluding accessories) carry a fifteen-year limited warranty (parts and labor). If you have any problems with your Earthworks products, please contact our warranty/repair department by email at: returns@earthworksaudio.com or by telephone at (603) 654-6427, Ext. 20.

Electronic Calibration Files

Electronic Calibration files are available for your individual microphone, should you need to calibrate your specific microphone to your measurement software or system. To obtain an electronic calibration file for your microphone call 603-654-6427, ext 14. You will need to provide your microphone model and serial number. The cost is \$50 which can be paid with a credit card. Once purchased, the electronic calibration file will be sent to you via email as an attachment. If you have any questions, please call the above listed phone number or email: sales@earthworksaudio.com



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SR40V

User's Manual



Made in U.S.A.
Printed in U.S.A.

**The World's First High Definition
Vocal Microphone**

Description

Earthworks SR40V is the worlds' first High Definition Vocal Microphone™. It is a directional prepolarized condenser microphone with a first-order cardioid pickup pattern directly coupled to a dedicated wideband, low output impedance transformerless preamplifier. The SR40V requires a standard 48V Phantom Power supply. It features a flat frequency response from 30Hz to 40kHz (Fig. 2), fast impulse response (Fig. 3), very low handling noise, very short diaphragm settling time, uniform polar pattern, and high SPL handling. The SR40V provides excellent uncolored rejection of sounds arriving off-axis.

Each SR40V microphone is delivered with its own calibration chart providing its individually measured frequency response curve. A mounting clip is included with the microphone. The SR40V is protected by US Patent No. 6,091,829.

Applications

Earthworks SR40V is easy to operate. Just connect the microphone to a microphone preamplifier supplying 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 plugged in or powered up. Make sure to mute the signal to speakers or headphones when phantom power is first applied to the microphone.

The excellent performance characteristics 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 is very popular among a number of major performing artists due to its pristine

sound quality while providing more gain before feedback. The SR40V is also excellent in rejecting sounds from the rear of the microphone.

Care of Microphones

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:

- Never attempt to disassemble the microphone – it cannot be opened.
- Avoid extreme heat and condensing humidity. Allow the microphone to warm up to room temperature when bringing it inside from the cold weather. Rough handling may also damage the microphone even if no visible marks are left.
- When not in use keep the SR40V in its case.

Specifications

Frequency response:	30Hz to 40kHz $\pm 1.5\text{dB}$ at 6 inches (15cm)
Polar Pattern:	Hypercardioid (Fig. 4)
Sensitivity:	10mV/Pa (-40dBV/Pa)
Power Requirements:	48V Phantom, 10mA
Peak Acoustic Input:	145dB SPL
Output:	XLR (Fig. 1)
Output Impedance:	100Ω, balanced (50Ω ea. pin 2 & 3)
Minimum Load:	600Ω btw. pins 2 & 3
Noise:	22dBA equivalent
Dimensions L x D:	7.25 in. (184mm) Max Dia. 1.95 in. (55.3mm) Min. Dia. 0.97 in. (27.5mm)
Weight:	12.8 oz. (363 grams)

CE Compliant

Specifications are subject to change without notice.

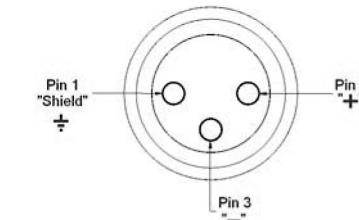


Fig. 1. XLR Output Connector Assignment of SR40V

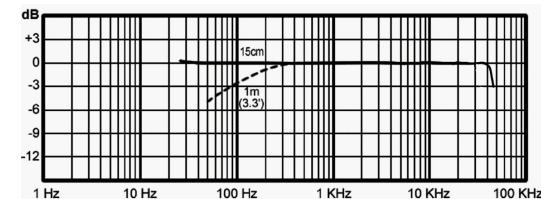


Fig. 2. Frequency Response (Typical) of SR40V

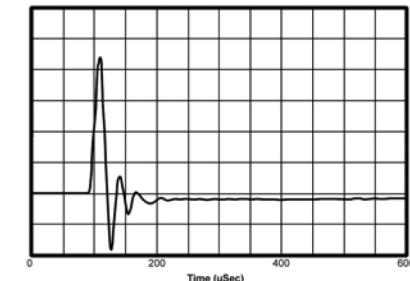


Fig. 3. Impulse Response (Typical) of SR40V

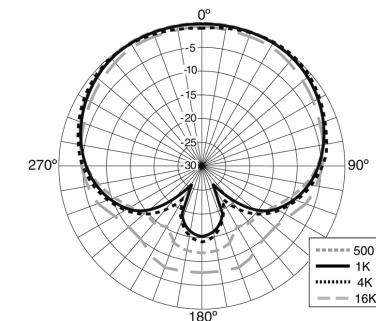


Fig. 4. Polar Response (Typical) of SR40V