

Technical Support

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

e-mail: Support@earthworksaudio.com
phone: (603) 654-2433, ext. 19
(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. 19.



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



SR40V

User's Manual



The World's First High Definition
Vocal Microphone



Description

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 48V Phantom Power. It features a flat frequency response from 80Hz to 40kHz (Fig. 2), fast impulse response (Fig. 3), 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 insure it meets its exceptional specifications. 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. 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 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 SR40Vs 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 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 ± 1.5 dB at 1 foot (30cm)
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:	100 Ω , balanced (50 Ω ea. pin 2 & 3)
Minimum Load:	600 Ω btw. pins 2 & 3
Noise:	22dBA equivalent
Dimensions L x D:	7.25 in. (184mm) long max diameter 1.95 in. (55.3mm) min diameter .97 in. (27.5mm)
Weight:	12.8 oz (363g)

CE Compliant

Specifications are subject to change without notice.

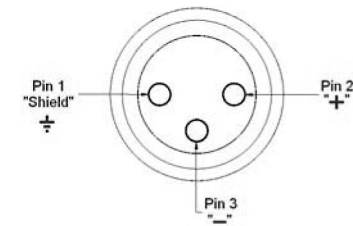


Fig. 1. XLR Output Connector Assignment of SR40V

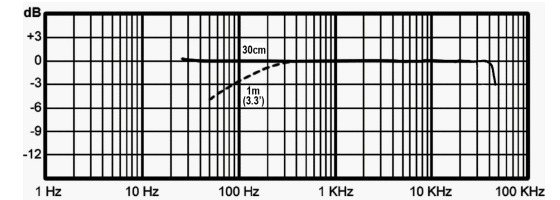


Fig. 2. Frequency Response (Typical) of SR40V

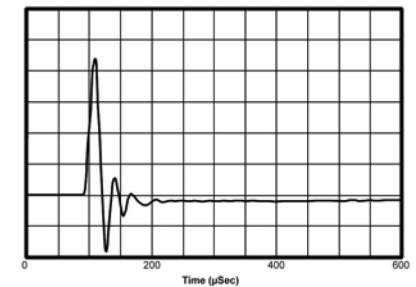


Fig. 3. Impulse Response (Typical) of SR40V

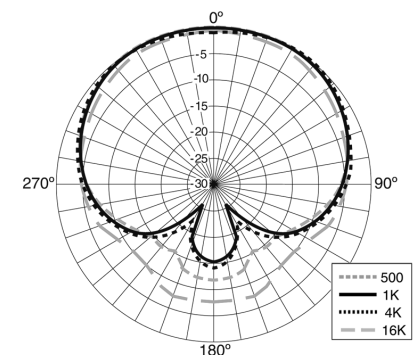


Fig. 4. Polar Response (Typical) of SR40V