

Technical Support

Should you have any questions regarding your SR77 microphone please contact us:

e-mail: Support@EarthworksAudio.com
phone: 1-603-654-6427 (9a.m. – 5p.m. ET)

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



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SR77 Cardioid Microphone Owner's Manual



Made in U.S.A.

Description

Earthworks SR77 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 SR77 requires a standard 48V Phantom Power supply. It features a flat frequency response from 30Hz to 30kHz (Fig. 2), fast impulse response (Fig. 3), 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.

The SR77 is protected by US Patent No. 6,091,829.

Applications

Earthworks SR77 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 “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 SR77 give it a very wide range of application possibilities. In the studio or on the stage the SR77 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 SR77 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 Microphones

Earthworks SR77 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 SR77:

- 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 SR77 in its case.

Specifications

Frequency response:	30Hz to 30kHz ± 1.5 dB at 6 inches (15cm)
Polar Pattern:	Cardioid (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	229 x 22 mm (9 x .860 in.)
Weight:	225g (.5lb)

CE Compliant

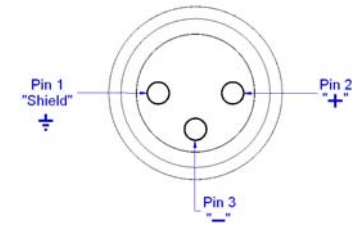


Fig. 1. XLR Output Connector Assignment of SR77

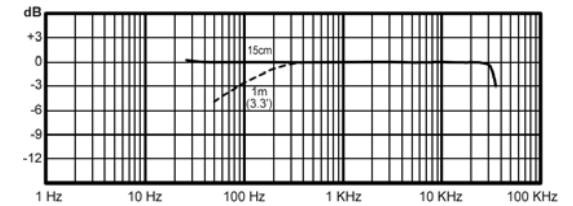


Fig. 2. Frequency Response (Typical) of SR77

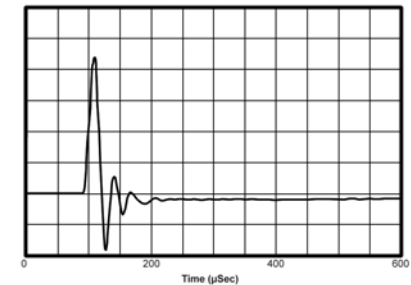


Fig. 3. Impulse Response (Typical) of SR77

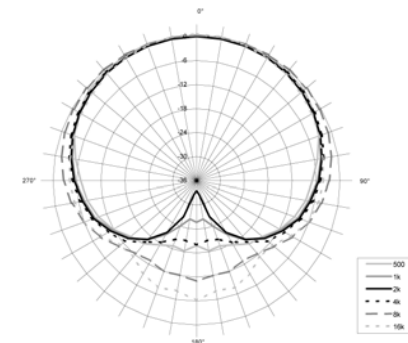


Fig. 4. Polar Response (Typical) of SR77

Specifications are subject to change without notice.