

Technical Support

Should you have any questions regarding your SR30/HC microphone please contact us:

e-mail: Support@earthworksaudio.com
phone: (603) 654-2433, ext. 119
(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) 654-2433, Ext. 119.



Earthworks, Inc.
37 Wilton Rd.
Milford, NH 03055 USA
Phone: 1-603-654-2433, ext. 114
Fax: 1-603-654-6107
earthworksaudio.com



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



SR30/HC

User's Manual



HDM HIGH DEFINITION MICROPHONES™

Description

Earthworks SR30 is a directional pre-polarized condenser microphone with a first-order cardioid pickup pattern directly coupled to a dedicated wideband, low output impedance transformerless preamplifier. The SR30 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 SR30 is protected by US Patent No. 6,091,829.

Applications

Earthworks SR30 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 SR30 give it a very wide range of application possibilities. In the studio or on the stage the SR30 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.

Version 5, March 7, 2013

The SR30 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.

Care of Microphones

Earthworks SR30 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:

- 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 in its case.

Specifications

Frequency response: 30Hz to 30kHz ± 1.5 dB at 1 foot (30cm)
Polar Pattern: Cardioid (Fig. 4)
Sensitivity: 10mV/Pa (-40dBV/Pa)
Power Requirements: 48V Phantom, 10mA
Peak Acoustic Input: 145dB SPL
Output: XLR-3 (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: 9 x .860 in. (229 x 22 mm)
Weight: .51lb (225g)

CE Compliant

Specifications are subject to change without notice.

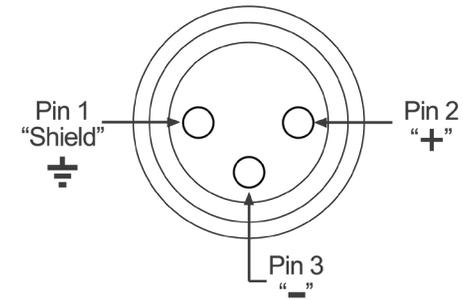


Fig 1. XLR Output Connector Assignment of SR30/HC

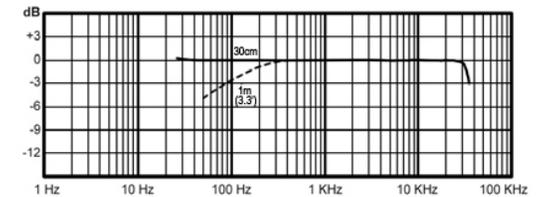


Fig 2. Frequency Response (Typical) of SR30/HC

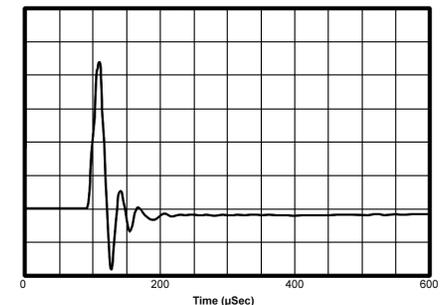


Fig 3. Impulse Response (Typical) of SR30/HC

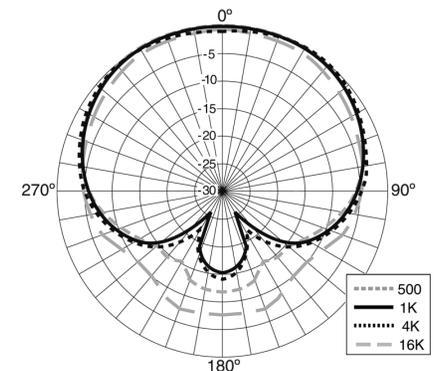


Fig 4. Polar Response (Typical) of SR30/HC