SR314

Premium Handheld Vocal Microphone

User's Guide



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CE Printed in USA

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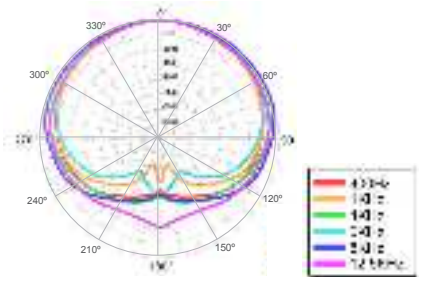
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HIGH DEFINITION MICROPHONES

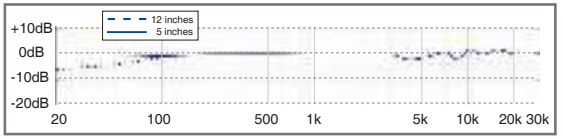
Specifications

Frequency response: 20Hz to 30kHz
Polar Pattern: Cardioid
Sensitivity: 10mV/Pa (-40dBV/Pa)
Phantom Power Requirements: 24-48V @ 10mA
Signal-to-Noise Ratio: 79dB (A-weighted)
Peak Acoustic Input: 145dB SPL
Output: XLR-3M
Output Impedance: 65Ω, balanced between pins 2 & 3
Minimum Load: 600Ω balanced between pins 2 & 3
Noise: 15dB (A-weighted)
Dimensions: Length 7.13 in 181.1 mm)
Dia. max 1.6 in (40.6 mm)
Dia. min 0.97 in (24.6 mm)
Weight: 1.5 lbs. (0.68 kg)

Specifications Subject to Change without Notice

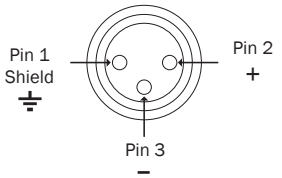


Polar Response (typical)



Frequency in Hz

Frequency Response (typical)



XLR Output Connector Pin Assignment

SR314

Description

The Earthworks SR314 Handheld Vocal Microphone utilizes a pre-polarized condenser element coupled to a dedicated wideband transformerless preamplifier that requires 24-48V Phantom Power. The SR314 features an exceptionally flat 20Hz to 30kHz frequency response, fast impulse response, low handling noise, a consistent cardioid polar pattern and high SPL handling capabilities. It provides excellent uncolored rejection of sounds arriving off-axis and yields more gain before feedback than conventional vocal microphones. A mic clip for stand mounting and a protective fabric bag are included with the microphone.

In Use

Using a standard XLR-3 cable, connect the SR314 to a microphone preamplifier capable of supplying 24-48V phantom power at 10mA. It is normal for any phantom powered mic to “pop” when powered up, so be sure to mute the speakers or headphones when phantom power is first applied. Allow up to one minute for the microphone to settle before un-muting.

Care of Microphone

The Earthworks SR314 is a precision instrument crafted to provide years of top performance and reliability. Following these simple guidelines will help to protect your investment in the SR314:

- Never attempt to disassemble the lower half of the microphone – it cannot be opened.
- Avoid extreme heat, condensing humidity and dust
- Rough handling may damage the microphone even if no visible marks are left.
- When not in use keep the SR314 in its protective fabric bag.
- The stainless dual windscreen can be removed if it requires cleaning. See detail on pages 2 & 3.



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Cleaning the SR314

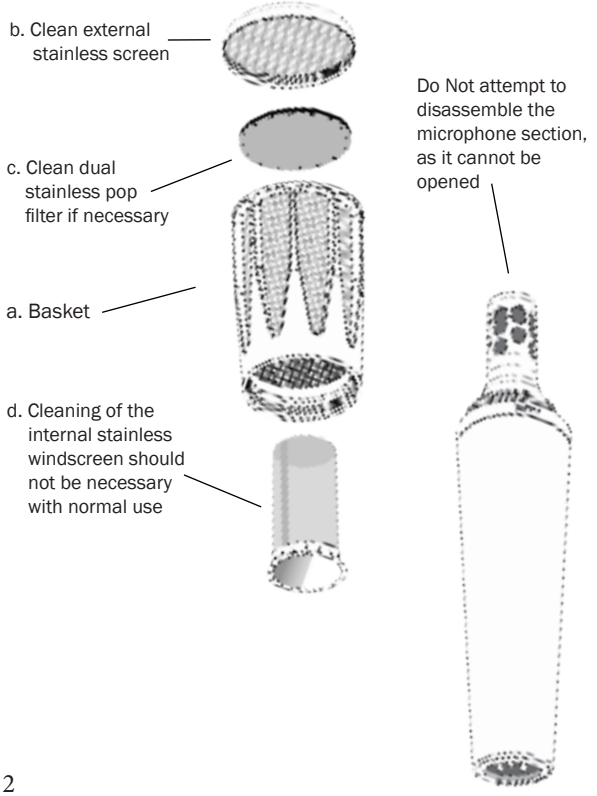
All cleaning should be done with either alcohol wipes, or with a small amount of alcohol on a soft cloth. Make sure any cleaned elements are completely dry before reassembling.

a. First unscrew the top half of the microphone (the basket) see “a” below.

b. Cleaning the External Stainless Screen - unscrew the external stainless screen as shown in image “b” below.

c. Cleaning the Dual Stainless Pop Filter - both sides can be cleaned, but most of the dirt will be on the side facing the external screen (see “c” below).

d. Internal Stainless Windscreen - it would be extremely rare if the internal windscreen should ever need cleaning, but it may be cleaned if the need arises. As this windscreen is very close to the microphone element, be extra careful that the windscreen is dry before reassembly (see “d” below).



Exploded View of the SR314

