SR40V
High Definition Vocal Microphone™

- High Definition Vocal Microphone™
- 50Hz to 40kHz Frequency Response
- Hear Detail That Other Microphones Miss
- Uniform Frequency Response at 0°, 45° & 90°
- Hypercardioid
- 145dB SPL Max Acoustic Input
- More Gain Before Feedback
- Exceptional Rejection of Sounds From the Rear of the Microphone

A Major Technological Achievement
Earthworks’ advanced microphone technologies have made it possible to create cardioid type microphones with a 40kHz high frequency response. This provides microphones with the exceptional ability to capture minute details previously not possible with conventional cardioid type microphones. The SR40V also has exceptional impulse response which allows it to capture fast transients quickly and accurately. Its very short diaphragm settling time allows you to hear subtle details that conventional microphones miss. The SR40V vocal microphone has a body that is well balanced and easy to hold in addition to an attractive wire-mesh windscreen. You will appreciate the additional gain-before-feedback and this mics ability to reject sounds at the rear of the microphone. The SR40V’s near-perfect polar response will provide you with the same pristine sound quality at both the front and sides of the microphone (i.e. no audible high frequency loss at the sides of this microphone). Three singers can sing on one SR40V and all enjoy the same exceptional sound quality. The SR40V will redefine vocal microphones.

About High Definition Microphones™
During the last decade it has become commonplace for sound recording and broadcast equipment to accommodate extended frequency responses up to 100kHz. With few exceptions, even the very best of conventional professional microphones do not offer frequency responses above 20kHz. However, making a High Definition Microphone involves far more than extending the frequency response. Impulse response, diaphragm settling time and pristine electronics are also key elements. Earthworks’ founder David Blackmer foresaw the need for higher quality microphones, and Earthworks has been offering High Definition microphones, with extended frequency responses beyond 40kHz, since 1996. The Earthworks family of High Definition Microphones™ have an extremely clean, natural on-axis pickup, and smooth, uncolored off-axis response with high front-to-back rejection that makes them superb for a wide range of applications including sound reinforcement, broadcast, in addition to recording voice and musical instruments. You will hear exceptional sound quality that is extremely accurate, detailed, open and crystal clear even on analog or digital sound systems that are limited to a 15kHz or 20kHz bandwidth. You will notice a remarkable improvement in sound quality on nearly all audio systems when using Earthworks High Definition Microphones™.

Polar Patterns
David Blackmer also invented a totally new polar technology that provides microphones with near-perfect polar response. When you look at a polar pattern of an Earthworks microphone, the mid frequencies, high frequencies and low frequencies all look very much like a “textbook perfect” polar pattern. In practice this means the polar response of an Earthworks microphone is extremely uniform over its operating frequency range; the frequency response at 90 degrees off-axis is very close to its on-axis response. Such uniform polar response results in less phase problems on the sides of the microphone and there are fewer phase cancellations when using multiple mics placed close together. This new polar technology also provides greater rejection of unwanted sounds from the rear of the microphone in addition to more gain before feedback in live sound applications.

### Specifications
- **Frequency Response:** 30Hz to 40kHz ±3dB @ 30cm
- **Polar Pattern:** Hypercardioid
- **Sensitivity:** 60mV/Pa (34dBV/Pa)
- **Power Requirements:** 24-48V Phantom, 10mA
- **Max Acoustic Input:** 35dB SPL
- **Output:** Male XLR-3 (PIN 2+3)
- **Output Impedance:** 650, balanced
- **Min Output Load:** 600 ohms between pins 2 & 3
- **Noise:** 20dB SPL equivalent
- **Dimensions L x D:** 7.25 in. (184 mm) x 1.95 in (55.3mm) max dia. & 0.97 in (27.5mm) min dia.
- **Weight:** 0.5 lbs. (225g)

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