C30/C & C30/HC

Hanging High Definition Choir Microphones™

- Hear Detail That Other Microphones Miss
- 30kHz Flat Frequency Response
- Uniform Frequency Response at 0°, 45° & 90°
- More Gain Before Feedback
- Exceptional Rejection of Sounds From the Rear
- 5" Mini-gooseneck with Small Microphone Head
- Very Easy to Position via Mini-gooseneck
- 30-foot Canare® StarQuad™ Cable will not Rotate with Time or Temperature Changes
- Available in Cardioid & Hypercardioid
- Available in Black or White

High Definition Microphones™ for Choir

The Earthworks ChoirMic™ series of Hanging High Definition Microphones™ provides astounding audio quality for fixed installations. The ChoirMics™ uniquely designed small cardioid head and flexible mini-gooseneck allow it to be easily positioned. Their near perfect polar patterns will not beam or spotlight and will provide more gain before feedback. The frequency response at 90 degrees off-axis is within 2dB of the on-axis response. These exceptional polar patterns allow the use of fewer microphones with placement closer to the choir, obtaining even more gain before feedback. The exceptional rejection of sounds from the rear of the microphones will dramatically reduce the sounds from an orchestra or band in front of the choir. If you prefer stand mounting for your choir microphones, look at the Earthworks Periscope™ Series, which are identical to the ChoirMic™ series, except they terminate with XLR connectors instead of an attached cable. The ChoirMic™ Series offers the ultimate in sound quality, flexibility and installation.

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 30kHz. 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 electronic performance all are key elements. Earthworks’ founder David Blackmer foresaw the need for higher quality microphones, and Earthworks has been offering High Definition Microphones™ since 1996. Earthworks’ High Definition Microphones™ have an extremely flat, clean 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, and recording of 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. These exceptional polar patterns allow the use of fewer microphones with placement closer to the choir, obtaining even more gain before feedback. The frequency response at 90 degrees off-axis is within 2dB of the 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 microphones placed close together. This new microphone technology also provides more rejection of unwanted sounds from the rear of the microphone and more gain before feedback in live sound applications.

The ChoirMic™ Series

ChoirMic™ High Definition Microphones™ have a 30kHz high frequency response that enables them to pick up high frequency overtones that conventional microphones miss. In addition, they have an extremely fast impulse response that allows them to pick up transients far more accurately. Their exceptionally short diaphragm settling time will enable you to hear subtle details that conventional microphones mask.

Specifications

C30/C Frequency Response: 50kHz to 30kHz
C30/HC Frequency Response: 10kHz to 30kHz
Polar Pattern: Cardioid or Hypercardioid
C30/C Sensitivity: 10mV/Pa (-40dBV/Pa)
C30/HC Sensitivity: 20mV/Pa (-34dBV/Pa)
Power requirements: 24 - 48V Phantom, 10mA
Max Acoustic Input: 145dB SPL (C) / 139dB SPL (HC)
Output: Attached 30 ft. (10m) cable with tinned leads (blue +)
Output Impedance: 650, balanced (between pins 2 & 3)
Min Load Output: 600 ohms between pins 2 & 3
C30/C Noise: 16dB SPL equivalent (A weighted)
C30/HC Noise: 20dB SPL equivalent (A weighted)
Dimensions L x D x H: 9.84 x .860 in. (250 x 22 x 60mm)
Weight: 100g (0.22 lb.)