



CHOIRMIC GEN 2 QUICK START GUIDE

Models: C30-S (Black), C30-S (White)



GETTING STARTED

Thank you for purchasing an Earthworks microphone, designed, assembled and tuned in Milford, New Hampshire, USA.

INCLUDED ACCESSORIES

- 1x SRW3 Foam Windscreen
- 1x Attached 30 foot (9 meter) Cable

WIRING

- Earthworks uses a Canare Star Quad microphone cable for its high quality, immunity to RF interference and its resistance to twisting due to temperature fluctuations.
- At the microphone end of the cable, a locking XLR3-F connector is used. This can be unlocked using a 0.05" hex key (not included).
- The far end is unterminated for flexibility during installation. Depending on your setup, you may need to install your own connector.

COLOR CODE

- Hot (Pin 2) : Both White Wires
- Cold (Pin 3): Both Blue Wires
- Ground (Pin 1): Shield



POSITIONING

- It is common to install two hanging ChoirMics in a single row, positioned 2 to 3 feet (0.6 to 0.9 meters) downstage of the front row of singers.
- Depending on the width of the choir, you may choose to use more than two microphones.
- With large choirs it may be preferable to use more than one row of microphones, to provide zoning and have more control of the mix.

SOUND SETTINGS

- The ChoirMic is a condenser microphone with active electronics.
- Condensers typically have higher output levels than dynamic microphones. If your ChoirMics are replacing dynamic microphones, you should lower your gain control before using them for the first time.
- We also recommend starting with EQ flat and resetting compression, gates and other corrective processing.

PHANTOM POWER

Earthworks ChoirMics require 48-volt phantom power. To avoid loud pops, unwanted noises and equipment damage, follow these steps whenever you power them up:

BEFORE CONNECTING

- Mute their channels
- Ensure phantom power is switched OFF

AFTER CONNECTING

- Switch phantom power ON
- Let the microphones warm up for at least ten seconds
- Un-mute their channels

BEFORE DISCONNECTING

- Mute their channels
- Switch phantom power OFF



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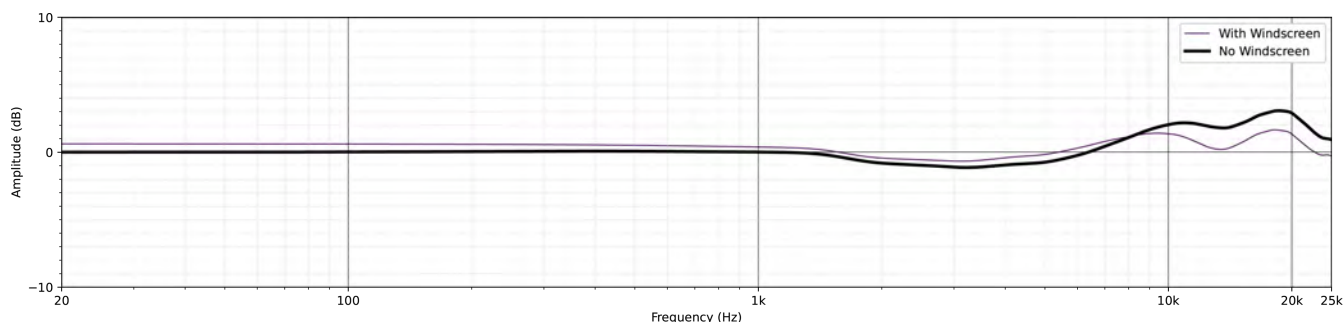
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SPECIFICATIONS

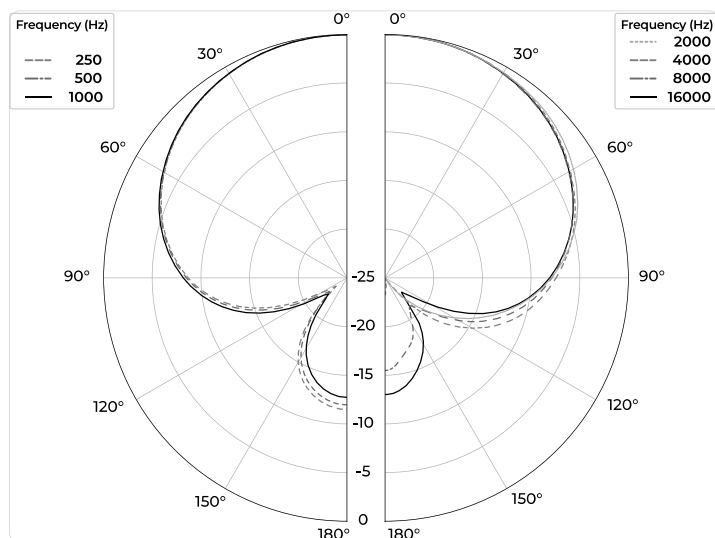
Frequency Response	20Hz - 25kHz	Phantom Power Requirements	48V, 6mA
Polar Pattern	Supercardioid	Self Noise	20 dB SPL (A-Weighted)
Microphone Type	Prepolarized Condenser	Output Connector	XLR3-M
Diaphragm Size	10 mm	Minimum Load Impedance	1k Ohm
Sensitivity (1kHz)	-35 dBV/Pa (18 mV/Pa)	Dimensions	0.85 in x 7 in (21.8mm x 80mm)
SPL Handling	135 dB SPL (1% THD) 141 dB SPL (3% THD)	Weight	Without Cable: 0.32 lbs (0.15 kg) With Cable: 1.39 lbs (0.64 kg)
Maximum Acoustic Input	146 dB SPL (10% THD)		

FREQUENCY RESPONSE



POLAR RESPONSE

WITH WINDSCREEN



WITHOUT WINDSCREEN

