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

WARRANTY: Earthworks products carry a limited warranty.
Visit earthworksaudio.com/warranty for more information.

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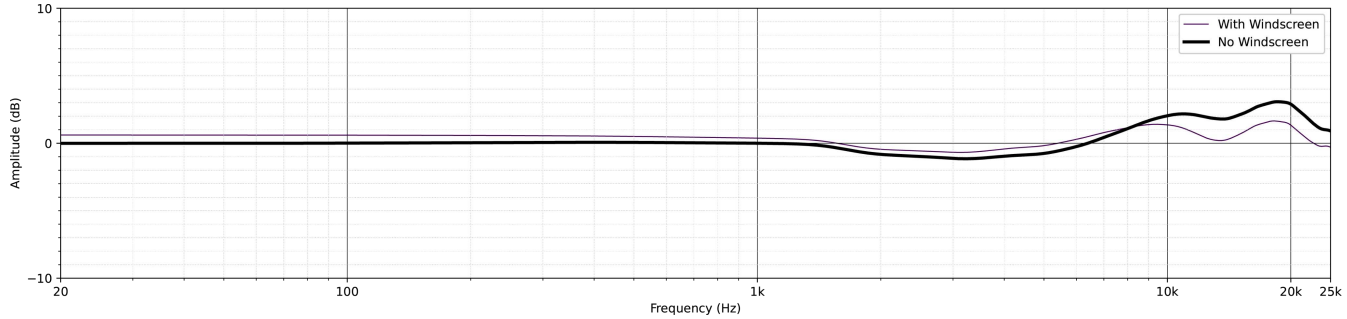
SPECIFICATIONS

Frequency Response	20Hz - 25kHz
Polar Pattern	Supercardioid
Microphone Type	Prepolarized Condenser
Diaphragm Size	10 mm
Sensitivity (1kHz)	-35 dBV/Pa (18 mV/Pa)
SPL Handling	135 dBSPL (1% THD) 141 dBSPL (3% THD)
Maximum Acoustic Input	146 dBSPL (10% THD)

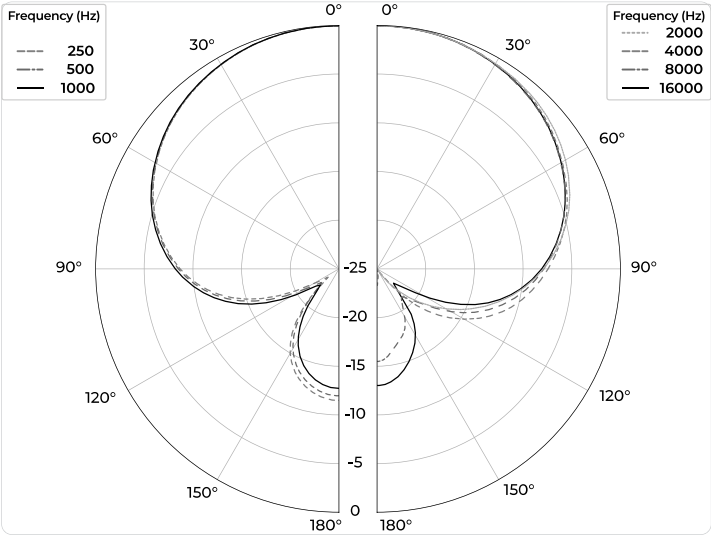
Phantom Power Requirements	48V, 6mA
Self Noise	20 dBSPL (A-Weighted)
Output Connector	XLR3-M
Minimum Load Impedance	1k Ohm
Dimensions	0.85 in x 7 in (21.8mm x 80mm)
Weight	Without Cable: 0.32 lbs (0.15 kg) With Cable: 1.39 lbs (0.64 kg)

FREQUENCY RESPONSE

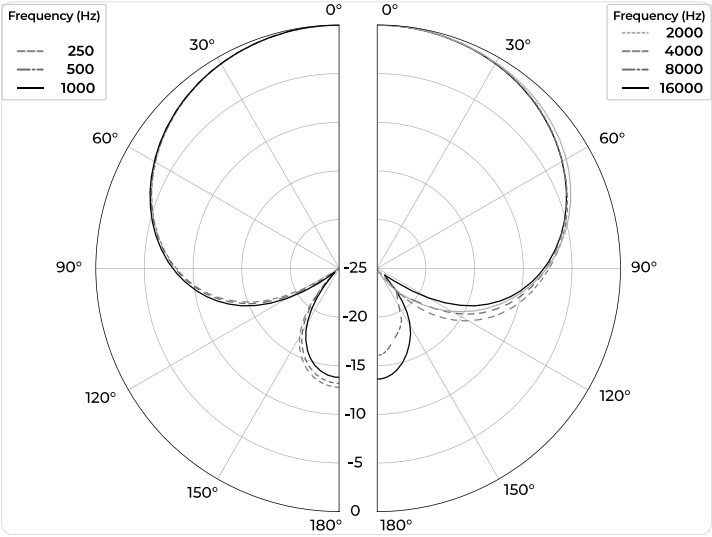


POLAR RESPONSE

WITH WINDSCREEN



WITHOUT WINDSCREEN



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