



## **C30/C & C30/HC**

HANGING MICROPHONE FOR CHOIR

For more information, please visit  
[www.earthworksaudio.com](http://www.earthworksaudio.com) or call 1-603-654-2433.

**EARTHWORKS AUDIO**

# Thank you for purchasing the Earthworks C30 Hanging Microphone!

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## YOUR PURCHASE INCLUDES

- 1 C30/C or C30/HC Microphone**
  - 1 PW1 Foam Windscreen**
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## GETTING STARTED

Before setting up the microphone, pull back all existing settings and EQ. By doing this, you will have a baseline understanding of how our microphones sound, and will then be able to adjust accordingly.

Begin by removing all included components from the packaging. Make sure to mute any incoming signal to speakers or headphones to avoid any loud "pops" when connecting.

The ChoirMics™ use Canare™ Star Quad™ microphone cable which has two twisted pairs and a shield. Solder the shield to pin 1, the white twisted pair (i.e. both white wires) to pin 2, and the blue twisted pair (i.e. both blue wires) to pin 3.

Before hanging the C30s, consider how they will be placed in relation to the choir being captured. Use of mics with two rows for large choirs allows zoning and better control when mixing. Typically, one row of mics is sufficient.

Begin placing the C30s where they will be hung. The mic heads should be 2.5 - 3 ft. in front of the row of singers you want to pick up. Common practice is to center C30s on groups of 4, 5, or 7 singers. For better articulation and detail, aim the mic head at the face of the singers, not pointing down at the top of their heads. (See Figure A below.)

Once they are hung, confirm that they can be connected with XLR cables to a mixing console capable of supplying 24-48V Phantom Power.

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## PROPER MAINTENANCE

To guarantee your microphone provides years of performance, follow these guidelines:

- Avoid touching the front protective screen.
- Never attempt to disassemble the microphone.
- Avoid extreme heat and condensing humidity. Allow the microphone to warm up when bringing it in from the cold.
- Rough handling may damage the microphone even if no markings are visible.

## IMPORTANT NOTICE

The small tip on many of our microphones allows them to capture the highest frequencies of your sound. Please be gentle and considerate when handling the microphones with these tips. (Microphones such as the SR314 and SR40V shield the tip within their capsule, and are thus more durable.)

Please do not excessively bend the gooseneck beyond 90 degrees. Doing so on a consistent basis will cause the wand portion to deteriorate and lose its ability to stay in the desired position.

## TROUBLESHOOTING

If you encounter issues while using your Earthworks Audio microphone, please make sure that:

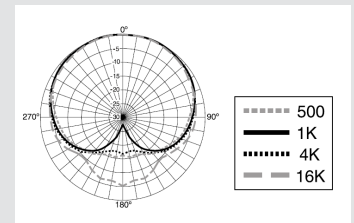
- Your microphone is connected to an active power supply.
- Phantom power is being supplied to the microphone.
- Your microphone and XLR cable are well connected.
- The microphone is positioned at an appropriate distance from the sound source.
- External noise in your recording environment is kept to a minimum.
- Your recording space is at room temperature and free of dust.

If your issue persists after checking, please contact us via our website.

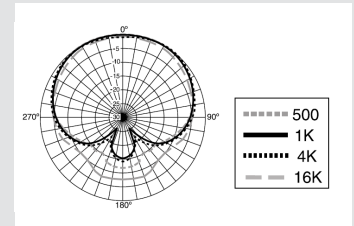
## SPECIFICATIONS



C30/C & C30/HC	
<b>Frequency Response</b>	20Hz - 30kHz
<b>Polar Pattern</b>	Cardioid (C30/C); Hypercardioid (C30/HC)
<b>Sensitivity</b>	20mV/Pa (-34dBV/Pa)
<b>Power Requirements</b>	24-48V Phantom, 10mA
<b>Peak Acoustic Input</b>	145dB SPL (C30/C); 139dB SPL (C30/HC)
<b>Output</b>	XLR (Pin 2+)
<b>Minimum Output Load</b>	600Ω, balanced between pins 2 & 3
<b>Noise</b>	20dB SPL (C30/C); 16dB SPL (C30/HC)
<b>Dimensions L x D</b>	12.75 x .860 inches (324mm x 22mm)
<b>Attached Cable</b>	30' (9.14m) Canare Star Quad™
<b>Weight</b>	.22lb (100g) (Microphone Only); 1.2lb (544.3g) (Mic with 30' Cable)



C30/C POLAR PATTERN



C30/HC POLAR PATTERN

## WARRANTY

All Earthworks® products carry a limited warranty (parts and labor). Please register your warranty at: [earthworksaudio.com/register](http://earthworksaudio.com/register). If you have any problems with your Earthworks products, please contact our warranty/repair department by email at: [service@earthworksaudio.com](mailto:service@earthworksaudio.com).

NOTE: This warranty only applies to Earthworks microphones purchased brand new. For microphones purchased/received second-hand, please contact us via our website.

## WE'RE HERE TO HELP

For anything else, we're a phone call or email away. Please feel free to contact us by email at [info@earthworksaudio.com](mailto:info@earthworksaudio.com), or by phone at (603)-654-2433.