

Cello Mic: Clip-on Microphone for Cello

DESCRIPTION

The Cello Mic is a professional quality, miniature condenser mic for amplifying or recording a cello. It accurately conveys the beautiful timbre of your instrument to the audience with a warm, sweet tone.

Included is a foam mount which fits between two strings under the bridge and firmly holds the mic between the strings and cello body. The soft, light foam mount has no effect on your instrument's sound.

The Cello Mic requires 12-48V phantom power which is supplied by most mixers. The mic also can plug into an acoustic amp with a phantom-powered XLR input, such as the Fishman Loudbox 100, AER Compact 60, Schertler Unico, or Acoustic Image Coda/Ten2.

We designed the mic based on extensive research into musical instruments and mic techniques. We measured, and listened to, the sound picked up in many locations on a variety of cellos. In engineering the product, we incorporated suggestions from cello players.

FEATURES

- Natural acoustic sound -- much better than a pickup
- Feedback resistant
- Easy to attach and remove
- Less clutter on stage
- Consistent sound from gig to gig
- Freedom of movement
- No heavy mic stands to carry
- Permanently attached 8-foot cable with XLR connector
- Made in USA, 2-year warranty, money-back guarantee

SPECIFICATIONS

Type: Miniature omnidirectional condenser microphone.

Transducer: Electret condenser.

Frequency response: 50 Hz to 20 kHz. See Figure 1.

Polar pattern: Omnidirectional. See Figure 2.

Impedance: 200 ohms. Recommended load impedance >1000 ohms.

Sensitivity: 26.6 mV/Pa (-32 dBV/Pa). 1 Pa = 94 dB SPL.

Signal-to-noise ratio: > 63 dB at 94 dB SPL. Noise is inaudible in normal use.

Maximum SPL: 130 dB SPL produces 3% THD. The mic will not audibly distort in normal use.

Cable: Permanently attached, 8-foot, black 2-conductor shielded cable with XLR-type 3-pin connector.



Figure 1. Frequency Response

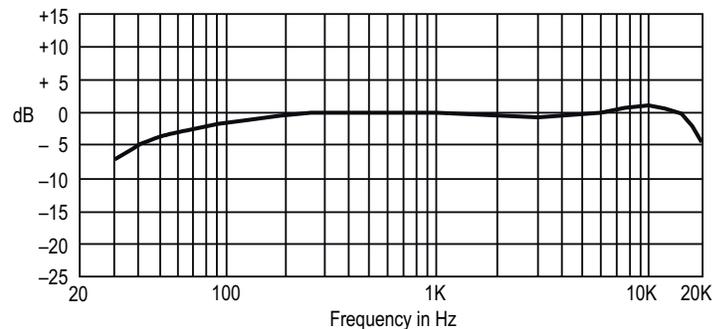
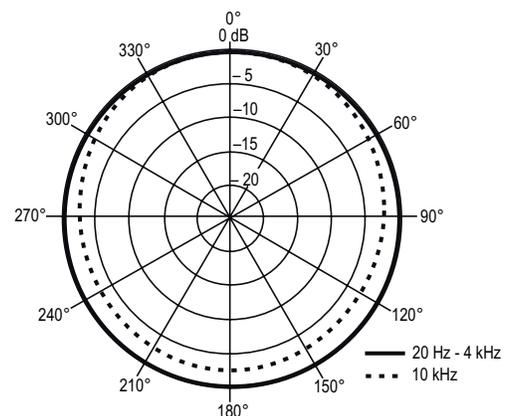


Figure 2. Polar Pattern



Operating voltage: 12-48V phantom power.

Current draw: 4.5 mA.

Materials: Rugged brass circuit housing/XLR connector.

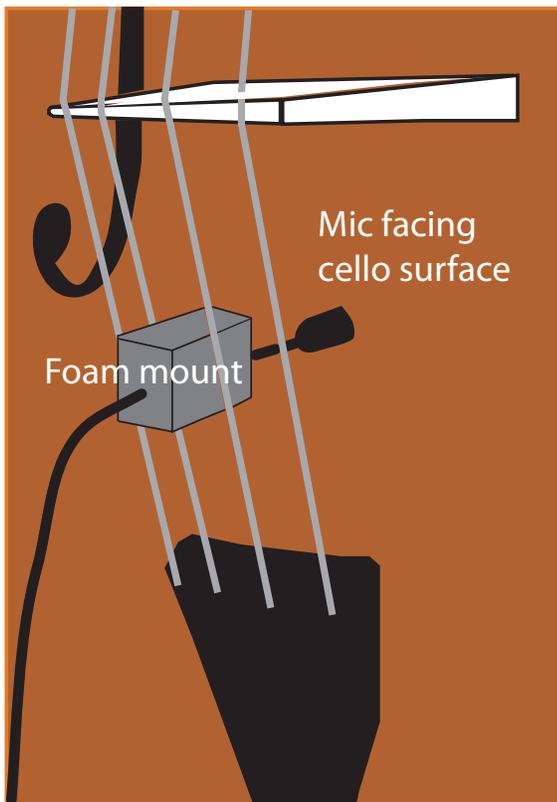
Finish: Black mic and silver circuit housing/XLR connector.

Net weight: 2.8 oz (79 g).

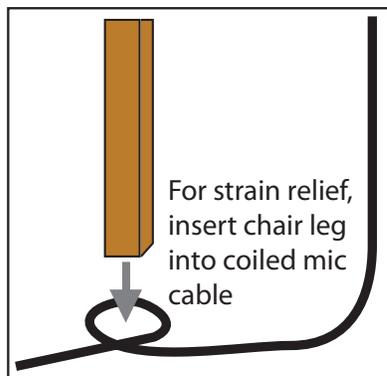
Dimensions: XLR connector 2.460" long x 0.747" diameter, mic 0.540" long x 0.325" diameter.

HOW TO MOUNT THE MIC ON A CELLO

Squeeze the foam block between two strings under the bridge. The mic should “float” between the strings and cello body. Experiment with mic placement to vary the tone.



To strain-relieve the cable, form a coil in the cable and put a chair leg in the coil. Be careful not to put the chair leg on the cable itself.



OPERATION

1. Option 1: Plug the mic connector into a mic cable that is connected to a mixer or instrument amp mic input. That input should supply phantom power.
2. Option 2: Plug the mic connector into a mic cable that is connected to a phantom power supply. Then connect the phantom supply output to a mixer mic input or instrument amp mic input.
3. If you are using an instrument amp, place it several feet behind you and slightly to the side to block feedback into the mic.
4. Turn on phantom power before use.
5. The microphone is very sensitive or “hot”. Be sure to turn down the input gain trim on your mixer as needed to prevent mixer distortion and feedback.

SERVICE

For tech support email info@bartlettaudio.com.

If the microphone does not operate correctly, first check its cable and other connected cables. Repair or replace them if necessary. Make sure that phantom power is turned on and that the microphone’s fader is up in the mixer.

If the microphone still fails to operate, obtain a return authorization number from us by emailing info@bartlettaudio.com. Then return the mic in its original packaging to Bartlett Audio. Please include proof of purchase and a note about the problem.

If the microphone’s specifications change, any changes will appear in the latest data sheet available online at www.bartlettaudio.com.

WARRANTY

The Bartlett Cello Mic is guaranteed not to malfunction (except in cases of abuse, such as standing on the mic) for a period of two years from the date of first purchase. Mic cables and paint finish are excluded from this warranty.

Bartlett Audio

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