

Cello Mic-LB: Clip-on cello microphone for loud bands

DESCRIPTION

The Cello Mic-LB is a professional quality, miniature condenser mic for amplifying a cello in a loud band. The mic accurately conveys the beautiful timbre of your instrument to the audience with a warm, sweet tone, and with minimal feedback.

Included is a foam mount which attaches the mic just inside the low-strings f-hole.

The Cello Mic-LB 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: 60 Hz to 15 kHz. See Figure 1.

Polar pattern: Omnidirectional. See Figure 2.

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

Sensitivity: 12.5 mV/Pa (-38 dBV/Pa). 1 Pa = 94 dB SPL.

Signal-to-noise ratio: > 65 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 with mic inside f-hole

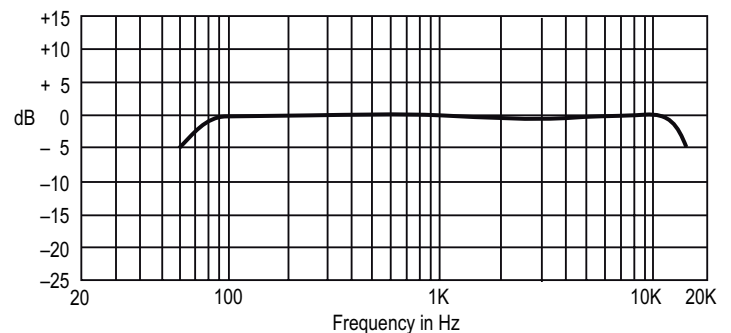
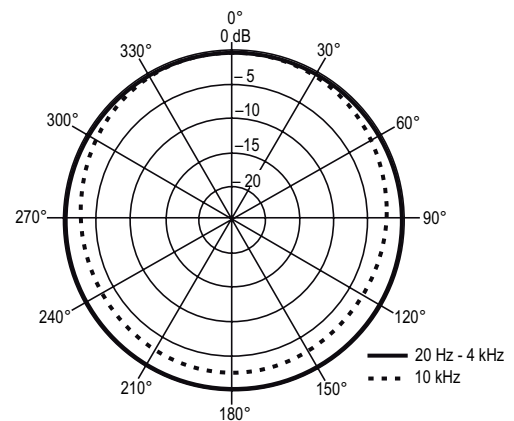


Figure 2. Polar Pattern



Operating voltage: 12-48V phantom power.

Current draw: 4.5 mA.

Materials: Rugged brass circuit housing/XLR connector.

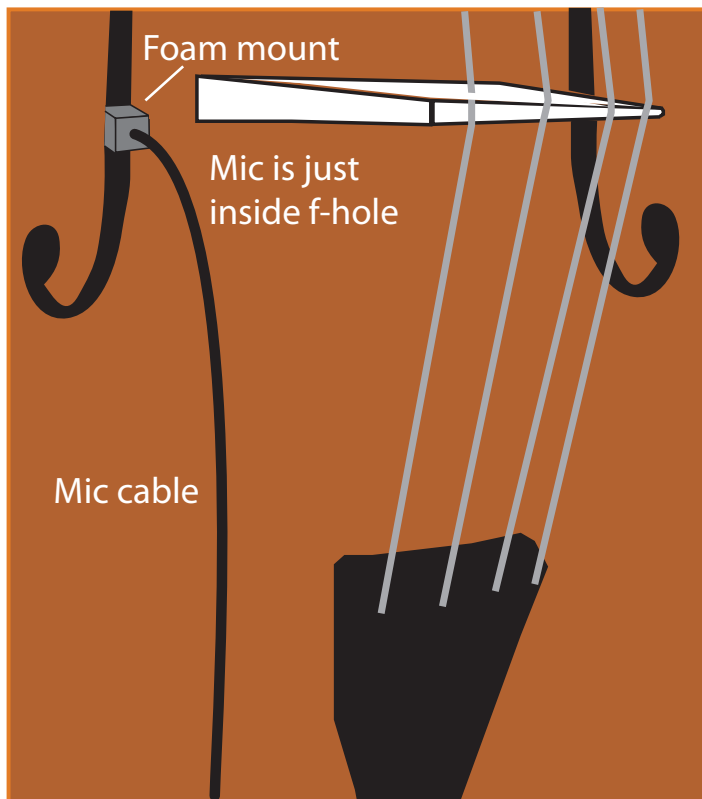
Finish: Black mic and silver circuit housing/XLR connector.

Net weight: 2.6 oz (74 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

As shown below, insert the foam mount into the low-strings f-hole. The mic should be just inside the f-hole.



To strain-relieve the mic cable, wrap it around the cello tailpiece or a chair leg.

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. After plugging in the mic, turn on phantom power.
5. You might want to turn your mixer's or amp's treble up or down slightly, turn the bass up or down, or just leave it alone.

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.

Bartlett Audio
23 Highland St.
Weaverville, NC 28787

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-LB 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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