

Guitar Mic EJ: Clip-On Guitar Microphone with Endpin Jack

DESCRIPTION

The Bartlett Guitar Mic EJ is a professional quality, miniature condenser microphone that installs easily in an acoustic guitar for sound reinforcement. It accurately conveys the timbre of your instrument to your audience. The mic provides natural sound while rejecting feedback.

The mic capsule mounts on the inner surface of the guitar top, just inside the sound hole, for excellent isolation and high volume. A Soundhole Clip is supplied for mounting. A microphone in the sound hole normally sounds boomy, but the Guitar Mic EJ has reduced low-frequency response to compensate. The result is a natural, non-boomy tone.

A pre-wired endpin jack with a guitar-strap holder is included. The jack fits in a 1/2" hole. Mounting instructions are in this datasheet. Also included is a detachable 8-foot XLR cable with a 1/4" stereo phone plug. It plugs into the endpin jack.

The microphone requires phantom power, which is supplied by most mixers and acoustic-instrument amps.

FEATURES

- Natural sound -- much better than a pickup
- Very good gain-before-feedback
- Less clutter on stage
- Consistent sound from gig to gig
- Freedom of movement
- No heavy mic stands to carry
- High sensitivity and low-impedance balanced output provide a strong, hum-free signal
- Detachable 8-foot cable with XLR connector and right-angle phone plug. It plugs into the pre-wired endpin jack
- Made in USA

SPECIFICATIONS

Type: Miniature omnidirectional condenser microphone.

Transducer: Electret condenser.

Frequency response: 80 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: Detachable 8-foot black 2-conductor shielded cable with 1/4" right-angle stereo phone plug and XLR-type 3-pin connector with internal circuit.



Figure 1. Frequency Response

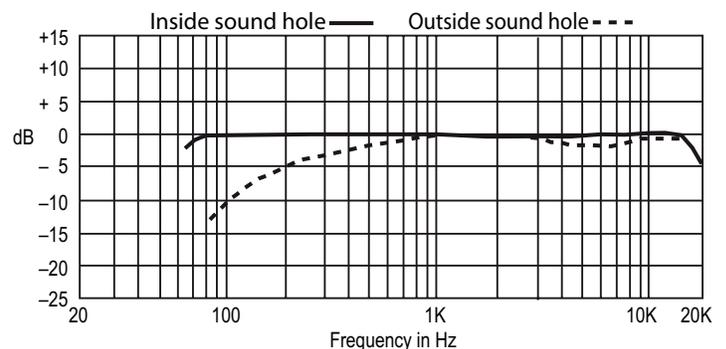
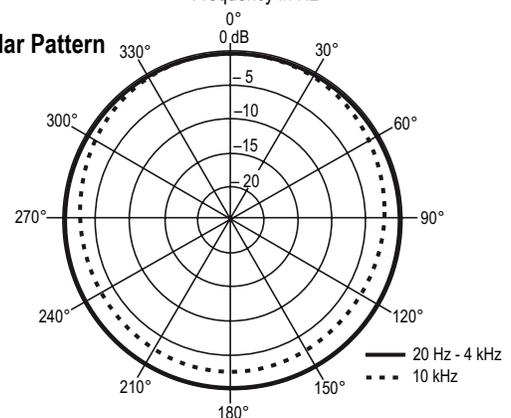


Figure 2. Polar Pattern



Operating voltage: 12–48V phantom power.

Current draw: 0.5 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. Endpin jack fits in a 1/2" hole.

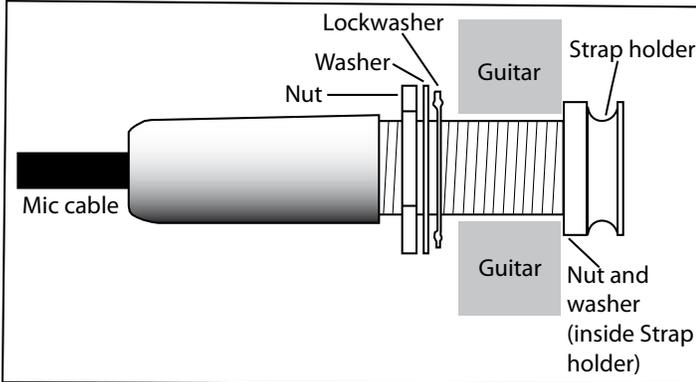
Bartlett Microphones

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MOUNTING AND OPERATION

1. Take the endpin jack and unscrew the strap holder. Remove the nut and washer that were inside the strap holder.



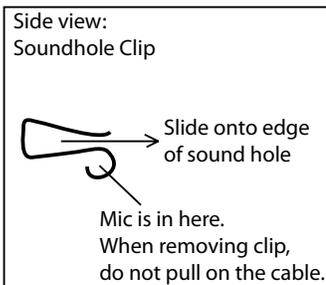
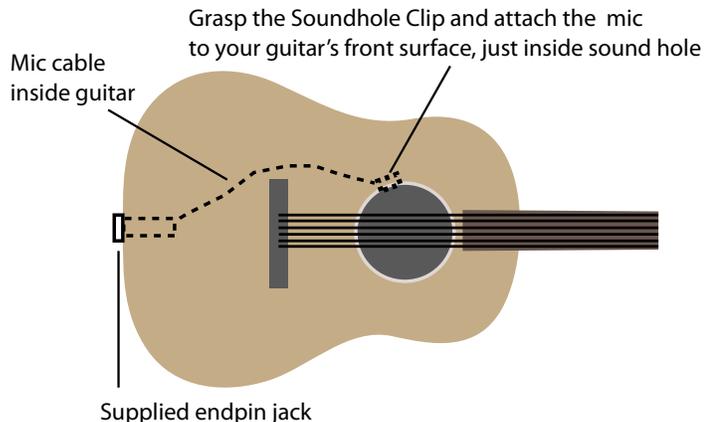
2. Remove the strings from the guitar.

3. Insert endpin jack through 1/2" endpin-jack hole from inside the guitar.

4. Screw washer, nut and strap holder back onto jack from outside the guitar.

5. Tighten nut inside guitar.

6. The mic comes already inserted in the Soundhole Clip. Slide the Soundhole Clip onto the sound hole. The Soundhole Clip is covered in a soft material to prevent damage to the sound hole.



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7. Replace the guitar strings.

8. Plug the phone plug into the endpin jack.

9. Plug the XLR connector into a mic cable going to a mixer or acoustic instrument amp with phantom power. Turn on phantom power. If the mixer or amp lack phantom power, you can use a phantom power supply such as the Behringer PS400 or ART Phantom I.

HOW TO REDUCE FEEDBACK

- Mix in the sound of a pickup. That increases the volume without increasing feedback.
- If you have a pickup, send its signal to the monitor speakers, and send the mic signal to the house speakers. Here's how: In your mixer's pickup channel, turn up the monitor send and turn down the fader. In your mixer's Guitar Mic EJ channel, turn down the monitor send and turn up the fader.
- Use in-ear monitors.
- Using a 1/3-octave graphic equalizer, turn down frequencies that feed back.

WARRANTY

The Bartlett Guitar Mic EJ 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.

SERVICE

For tech support email info@bartlettaudio.com.

If the microphone does not operate correctly, first check its 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.