

The Spark Mini Mic: Clip-On Mini Microphone for Recording

DESCRIPTION

The Bartlett **Spark Mini Mic** is a professional quality, miniature condenser microphone that attaches to musical instruments for recording. It sounds very natural on an acoustic guitar, banjo, mandolin, cello, resonator guitar, dulcimer, harp, upright bass, and so on.

The Spark Mini Mic was designed based on extensive research into musical instruments and mic techniques. We measured, and listened to, the sound picked up in many locations on the body of several acoustic stringed instruments, and offered recommendations for mic placement.

The microphone has a tiny mic housing with a rugged cable attached to an XLR connector which houses the electronics. Mounting accessories are sold separately.

The Spark Mini Mic requires 12-48V phantom power (available from most mixers).

FEATURES

- **Wide, smooth frequency response provides a natural sound -- much better than a pickup**
- **Supplied drawings show many effective mic placements**
- **Soft housing will not scratch your instrument**
- **Compared to a stand-mounted mic, the Spark Mini Mic offers less clutter, provides more consistent volume and tone, and allows freedom of movement.**
- **High sensitivity and low-impedance balanced output provide a strong, hum-free signal**
- **Permanently attached 8-foot cable with XLR connector**
- **Made in USA**

SPECIFICATIONS

Type: Miniature omnidirectional condenser microphone.

Transducer: Electret condenser.

Frequency response: 40 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: > 62 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.

Operating voltage: 12-48V phantom power.

Current draw: 0.5 mA.



Figure 1. Frequency Response

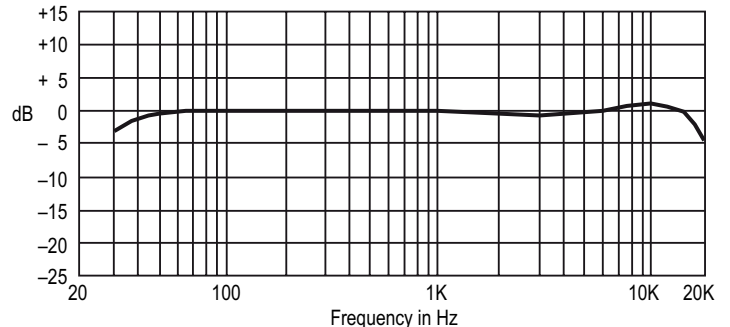
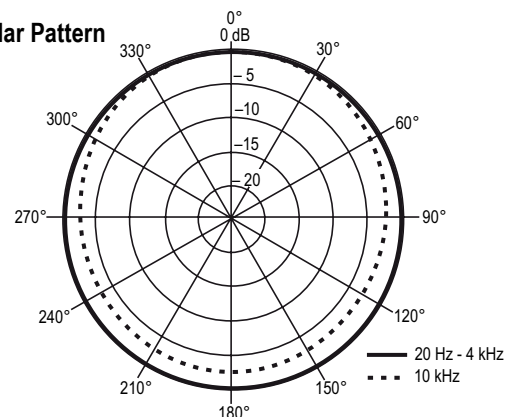


Figure 2. Polar Pattern



Materials: Rugged steel circuit housing.

Finish: Black.

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.

OPTIONAL ACCESSORIES (sold separately on our web site)

Sound Hole Mount

Clips onto the sound hole and positions the Spark Mini Mic securely in a natural-sounding location for recording. Rubber pad prevents scratches.

Top view



Side view



Mic Clip (for mounting the mic on a banjo, mandolin, dobro, cello tailpiece, etc.)



OPERATION

1. Option 1: Plug the mic connector into a mic cable that is connected to a mixer 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.
3. Turn on phantom power before use.
4. 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. See the supplied documents about mic placement.

SERVICE

For tech support email bruce@bartlettmics.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 bruce@bartlettmics.com. Then return the mic in its original packaging to Bartlett Microphones. 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.bartlettmics.com.

WARRANTY

The Bartlett Spark Mini Microphone 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 Microphones

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