

Banjo Mic: Clip-on Microphone for Banjo

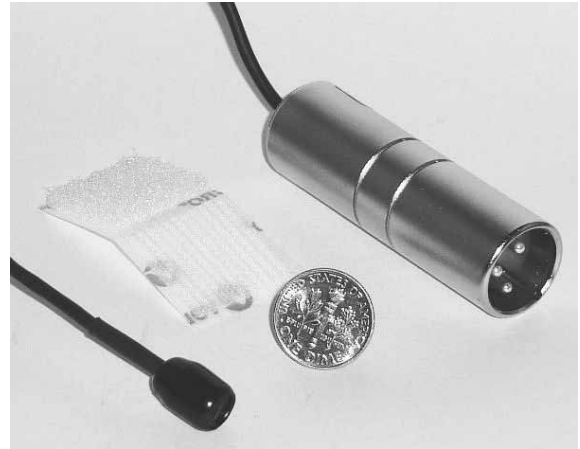
DESCRIPTION

The Bartlett Banjo Mic is a professional quality, miniature condenser mic for amplifying or recording a banjo. Specially voiced for enhancing a banjo's sound, the mic conveys the timbre of your instrument accurately to your audience. The Banjo Mic can get loud before feedback occurs.

The microphone has a tiny mic capsule with a rugged cable attached to an XLR connector which houses the electronics.

The Banjo Mic requires 12-48V phantom power which most mixers provide. Adhesive Velcro® pieces are supplied free with the Banjo Mic for easy mounting and cable strain relief.

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 banjos. In engineering the product, we incorporated suggestions from banjo 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: 12.5 mV/Pa (-38 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

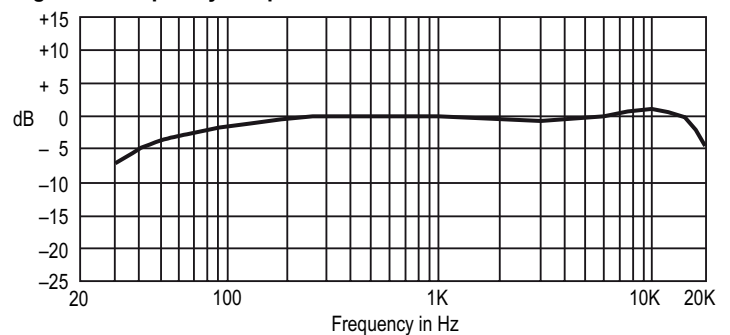
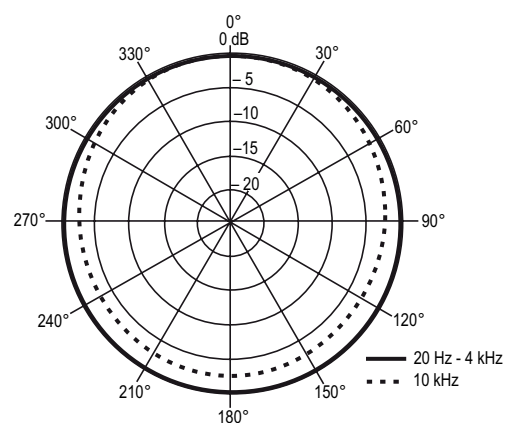


Figure 2. Polar Pattern



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 BANJO

1. Find the sticky-back Velcro pieces packed with the mic. Cut each one in half and remove the backing.
2. See Figure 3 below. Wrap a Velcro piece around the mic capsule. Do not cover the front of the mic.
3. Fold a Velcro piece around the mic cable about 2" from the mic capsule, and press it tight. That acts as a strain relief.
4. See Figure 4 below. Put mating Velcro pieces on the banjo head, resonator, or inside the pot on the rod.
5. Press the Banjo mic onto the mating Velcro pieces on the banjo.
6. For extra strain relief, wrap the cable around your banjo strap.

Figure 3. Velcro placement.

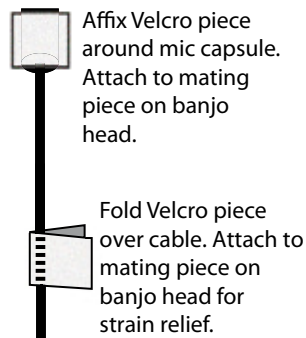
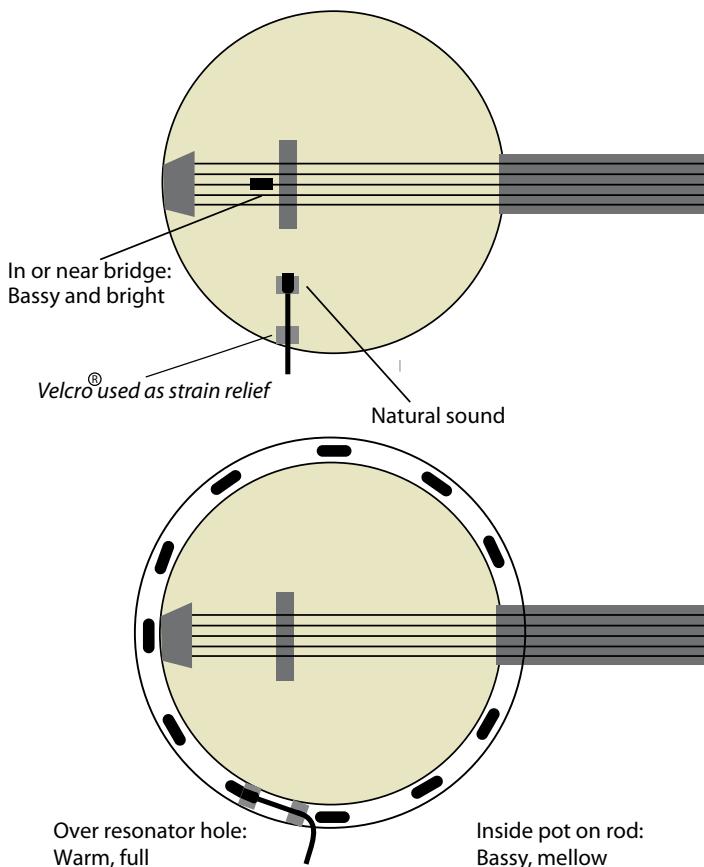


Figure 4. The sound of some mic locations.



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.
5. If feedback is a problem, attach the mic to the dowel rod inside the banjo, and turn down the bass (low-frequency EQ) on your mixer until the sound is natural.

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

Bartlett Audio

Weaverville, NC USA
www.bartlettaudio.com

email: info@bartlettaudio.com
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