



92798 Cape Arago Hwy
Coos Bay, OR 97420
Phone (541) 888-3517
Fax (541) 888-4846
www.kksound.com

SILVER BULLET INSTRUMENT MICROPHONE

Thank you for choosing the K&K *Silver Bullet Instrument Microphone*.

This device is a very powerful condenser microphone with excellent frequency range. Due to its versatile small size and its convenient attachment directly to the instrument, it can be used with a wide variety of different instruments:

1. String instruments such as mandolin, banjo, piano, violin, acoustic guitars and ethnic instruments like sitar, bouzouki, saz, oud, balalaika and similar.
 - a. Please use the supplied self adhesive clip and attach the mic close to the sound hole or inside the instrument
2. Percussion instruments, especially hand drums with open bottoms, such as darabokas, djembes, and similar as well as for kalimba and slit drums.
 - a. Use self-adhesive clip to mount the mic inside the drum pointing towards the drumhead alternatively close to sound hole or even inside the instrument.
3. Wind instruments, for instance concert flute and clarinet.
 - a. Attach microphone close to blowhole of flute with approximate distance of 2" to 3".
 - b. Use foam windscreen.
 - c. For clarinet, attach close to bell with windscreen
4. Vocals, for usage as Lavalier microphone.

Attachment

Plug the microphone into the quarter inch input jack of your control box.

Connect the balanced XLR output of the microphone's control box to a mixing console. If you want to connect the XLR output to an unbalanced instrument input, use an adapter which connects the XLR pins 1 and 2 to ground and pin 3 to signal.

If wind noise occurs, please attach the enclosed foam windscreen.

Features

The *Silver Bullet Microphone* is handcrafted with the finest materials and has been specially designed for a wide range of application for the musician. The *Silver Bullet Microphone* has a lot of great features:

1. Close sound capture provides great proximity
2. Constant uniform tone quality due to direct attachment
3. Linear sound condenser capsule suitable for high sound pressure levels transmits the sound crystal clear
4. High end electronics provide pre-amplification and active balanced output
5. Optional phantom power or 9-volt battery power supply
6. Freedom of movement for the musician

Power Feeding

If plugged into a phantom power output of the mixing console, the microphone is being powered through your board. If no phantom power is available, you will have to use a 9-volt battery.

For wireless transmission with standard systems, battery feeding is also necessary. Battery life will be up to 150 hours. Please make sure to unplug the quarter inch plug of the microphone when your system is not in use. This will shut off the battery and extend its lifetime.

Inserting and Changing Battery

1. Open control box by pulling off snap lid.
2. If changing, remove old battery.
3. Insert new battery and reattach lid and screw.

Technical Data

Frequency range: 20 - 20,000 Hz

Sensitivity: 8 mV / PA / 1 kHz

Maximum SPL: 133dB

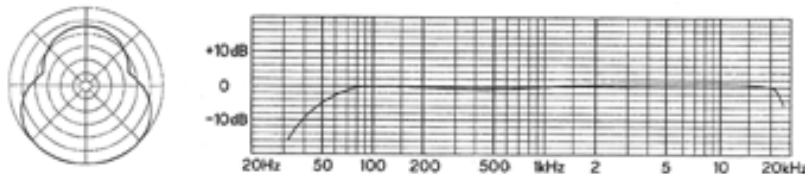
Polar Pattern: Soft cardioid

Preamp Power supply: 12-48 volt phantom power or 9 Volt battery (phantom power XLR type only)

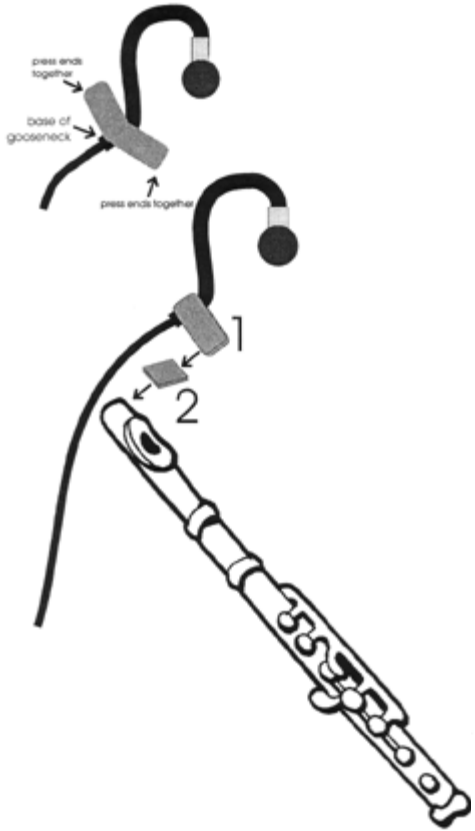
Mic Power Supply: 5 Volt supplied by Silver Bullet preamp

Power consumption: less than 1 mA

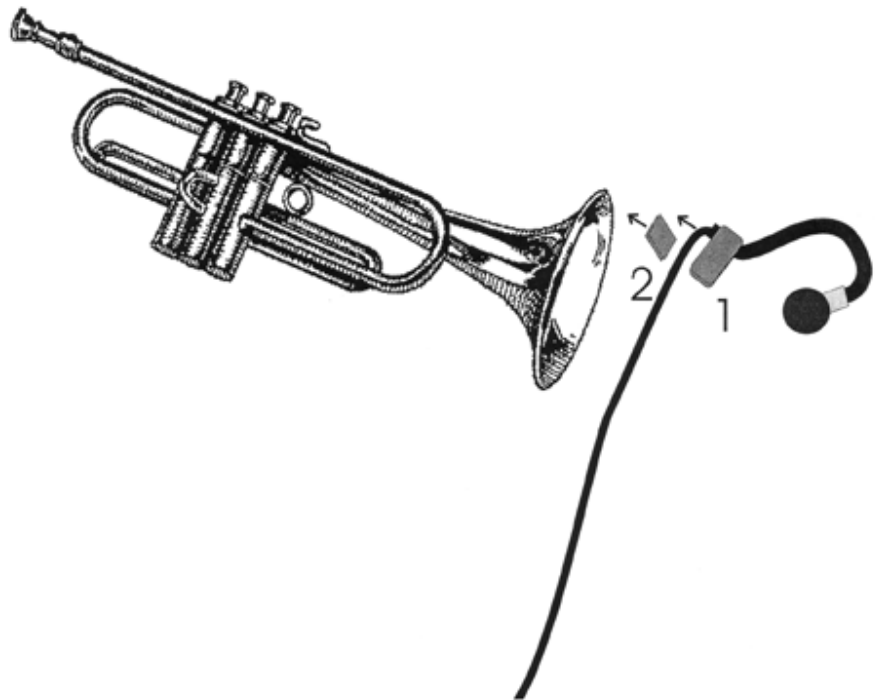
Output: XLR balanced or 1/4 line level (please choose model)



How to position the dual-lock self adhesive fastener to achieve the proper mic placement



1. Cut a 2 ½" piece of the provided dual-lock and loop it around the base of the gooseneck, Pinch the sticky sides together to get a tab as shown in step 1 of the illustrations.
2. Cut a second piece of dual-lock approx. ¾" to 1" and stick it to the instrument as shown in step 2.
3. Press piece 1 and 2 firmly together. The dual-lock works like "super" Velcro.
4. Bend the gooseneck into the desired position. The microphone can be removed and reattached as often as you want. The dual-lock will not wear out.



Using the same attachment technique, you can place the *Silver Bullet* on many different instruments like saxophone, trombone, drums etc. To remove the dual-lock from your instrument, pull it off and rub off the remaining adhesive with your thumb. Finish with rubbing alcohol.