

**Photo #1** shows standard *the2Mic* components:

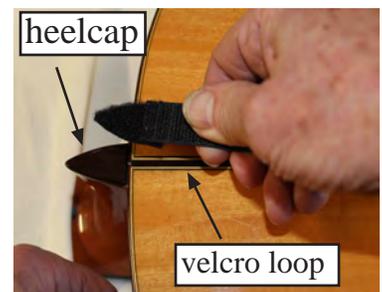
1. 2Mic gooseneck terminates in a 4 ft (1.1m) output cable and 1/4" mono plug.
  2. EPS-1 battery operated Power Supply w/one AA battery inside (black box w/yellow label)
  3. EPS-2 phantom powered power supply. Balanced XLR output (black tube w/gold **the2Mic** logo)
  4. Velcro adhesive attachments for heelcap of the guitar (3 pc provided )
  5. Rugged carry case shaped for the2Mic components
- Please note how gooseneck is positioned in the carry case when you receive your **the2Mic**, as this is very close to the proper alignment for installation in your guitar. Repeat this positioning when returning **the2Mic** gooseneck to this carry case to avoid excessive bending of the goosenecks.

### Installation Step 1 - Install a velcro attachment to the heelcap

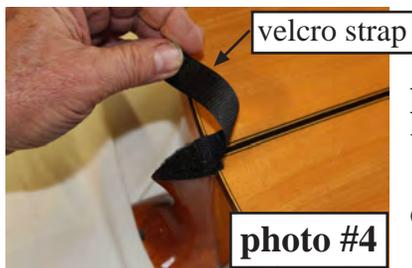
- Trim a velcro attachment so that the velcro loop material matches the outline of the heelcap.
- Remove plastic backing, and attach the self adhesive velcro loop material to the heelcap.
- Strap can be trimmed to match heelcap (leave a bit of over-hang)



**Photo #2** - use scissors to trim the velcro loop of the attachment to match the outline of the heelcap



**Photo #3** - After the velcro loop is trimmed to match the heelcap, and the plastic backing is removed, the velcro loop is attached to the heelcap



**Photo #4** - After the velcro loop is attached to the heelcap, the velcro hook strap can be folded over to mate with the velcro loop. The strap can also be trimmed to match the heelcap (leave a bit of over-hang)

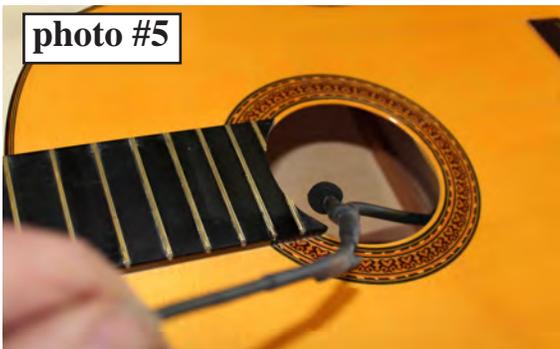
### Company contact information

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 www.the2mic.com, or miniflexmic.com email... sales@miniflexmic.com  
 patented: 5,010,803, 6,441,292, & 8,035,025 other patents pending

**Installation Step 2 - Installing the2Mic assembly through the soundhole**

- Install the 2mic gooseneck into the bass side of the soundhole,
- attach the padded hook on the gooseneck to the edge of the soundhole,
- bend the gooseneck alongside the bass edge of the fingerboard, down the side (rib) of the guitar and across the velcro attachment on the heelcap.
- slide the velcro ring along the gooseneck to mate with the velcro on the heelcap
- fold over the strap to secure the gooseneck to the attachment on the heelcap.

**NOTICE** - To provide the best possible shock mounting, the microphones are very lightly attached to the gooseneck. **Do not handle the windscreen of the mic elements.** Adjust the position of the mic by holding the gooseneck behind the mic and bending only the gooseneck.



**Photo # 5** - slide the2Mic gooseneck into the bass edge of the soundhole.

- The mic at the end of the gooseneck should be positioned approximately half way between the top and back of the guitar, and point towards the center of the body of the guitar.

- the mic in the center of the gooseneck will be pre-positioned to be located in the soundhole just below the strings, and pointing towards the interior of the guitar.



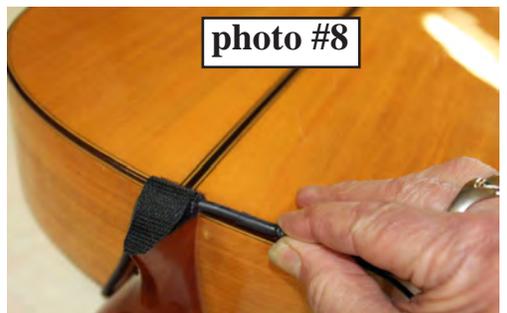
**Photo # 6** - The gooseneck is positioned alongside the soundhole, and bent down the side (rib) of the guitar. There should be a sharp bend where the top meets the side



**Photo # 7** - Pull the gooseneck against the heel, and bend the gooseneck across the velcro loop on the heelcap.

Slide the velcro ring along the gooseneck until it mates with the velcro loop of the attachment.

Fold the strap over the gooseneck and velcro ring and mate the strap with the velcro loop on the heelcap



**Photo # 8** - The strap is wrapped over the gooseneck (and velcro ring) and mates with the velcro loop attached to the heelcap. The gooseneck should now be secure and tight against the heel along the side.

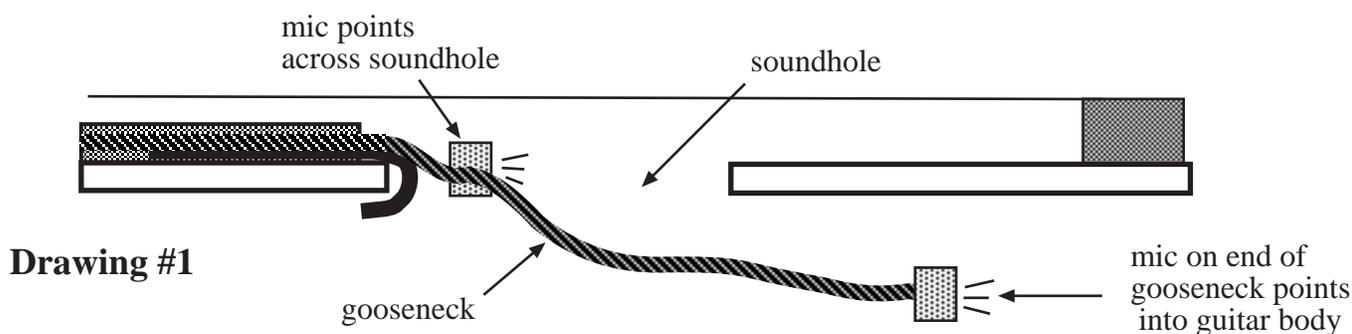
The gooseneck transitions to an output cable, and when the guitar is played, this output cable will trail down to the floor where the mono plug at the end of the cable will connect with the power supply (EPS-2 recommended, or EPS-1, optional if no phantom power is available).

# Installation & Use Instructions for the2Mic™

## Installation Step 3 - Mic positioning

Photo #9 shows the s fully installed in a flamenco guitar. Note how the profile of the gooseneck rests below the top edge of the fingerboard and down the side of the heel so that there will be no interference with the playing hands of the guitarist.

Also note the output cable below the back of the guitar. The 2Mic has a 4 ft (1.2 meter) output cable. A custom extension cable to increase this length is available for purchase by contacting our office in Greenville California, USA.



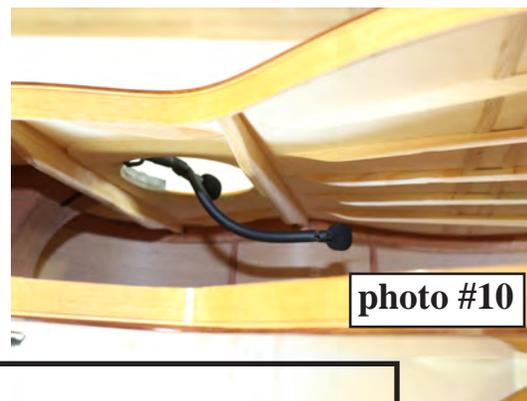
Drawing #1

**Drawing #1** - Mic positioning (side view). The gooseneck needs to bend just inside the soundhole so the mic in the center of the gooseneck rests below the strings and points across the soundhole and slightly down into the body of the guitar. The mic on the end of the gooseneck is positioned approximately in the center of the guitar body and points towards the the interior of the guitar. The gooseneck can be adjusted so the mic on the end is pointing towards either the bass or treble side, whatever location provides the best overall sound quality.

**When adjusting the mic position, be careful to never touch the mic element itself, or the windscreen covering the mic. To provide superior shock mounting, the mic element is very lightly attached to the gooseneck, Handle only the gooseneck to make adjustments for the mic position..**

**Photo #10** shows another view of how the mics are positioned inside the guitar.

This photo shows how the mic on the end of the gooseneck can be adjusted to point towards a variety of locations. - more towards the back, the soundboard, towards the bass or treble side of the guitar. As every guitar is different, only experimentation can determine the best location for this mic.



### Microphone specifications:

- Element: Electret condenser
- Frequency response: 50 - 16K Hz
- Pattern - cardioid uni-directional
- output EPS-1 1.5v battery power 2.5K ohm unbalanced (mono)  
EPS-2 phantom power... 500 ohm, balanced (XLR)
- Sensitivity -45 dB
- Max. SPL - 131 dB

**Power Supply information - Very Important**

Which power supply you choose will determine the strength of the output signal for **the2Mic**. It is important to match the strength of the output signal (impedance) with the input level anticipated on the amplification equipment being used. **Using the EPS-2 is recommended** with powered speakers, mixers, and other gear having XLR inputs. The EPS-1 is usually best for equipment with 1/4" inputs.

**IMPORTANT - There is no standard for how inputs on amplification equipment are valued, so we recommend testing both power supplies to determine which works best.**

**NOTE:** Some speakers, DI boxes, etc. produce biased low voltage phantom power. It is possible to connect the Model 8 directly into such gear using the silver 1/4"-XLR adapter supplied with **the2Mic**.

**EPS-2 (RECOMMENDED)** is operated by 9-48v phantom power from a P.A. mixer or other phantom power source, and produces a mic level fully balanced low impedance signal with an XLR connector output.

**EPS-1 (OPTIONAL)** is 1.5v battery operated using one AA battery. The output jack of the EPS-1 acts as a switch to turn the battery on when a plug is inserted. Battery life is approximately two years, and change the battery by removing the 4 screws which hold the lid to the EPS-1 box. The EPS-1 produces a line level signal of 2.5K ohms, and is compatible with most guitar effects devices and DI boxes.

**Power Supply options - Mic level vs. Line Level**

Drawing # 2 Shows the signal path for:  
 - a Mic level signal using the EPS-2, or  
 - a line level signal using the EPS-1  
 - (not shown is direct input into a powered speaker with low voltage phantom power using the 1/4"-XLR adapter)

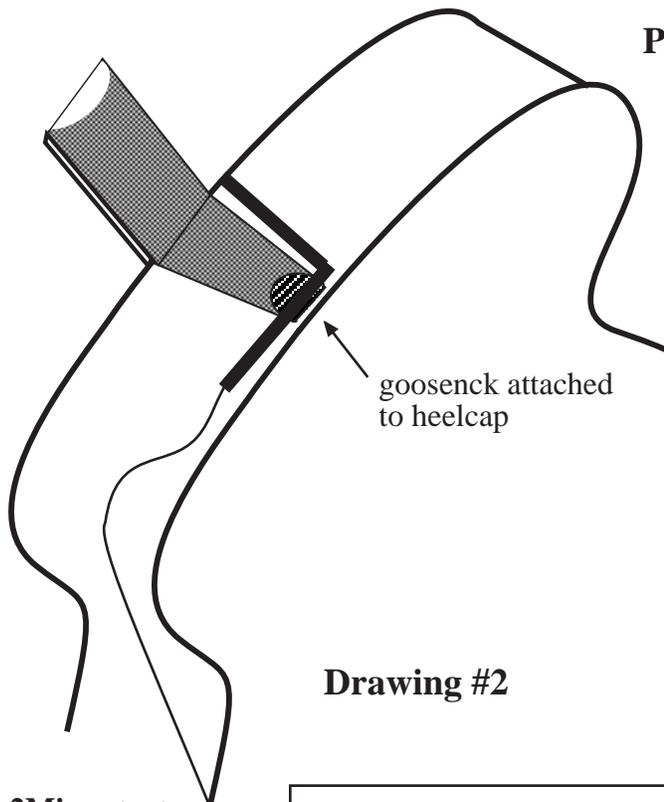
Both EPS-1 and EPS-2 use standard 1/4" mono, or XLR microphone input cables.

**Mic level signal (best)** Use the EPS-2 to connect to a powered speaker, mixer, or P.A. system via a standard XLR mic cable.

**Line level signal (optional)** use the EPS-1 and standard mono guitar cable for output. Compatible with DI Boxes & guitar effects devices. May work best with 1/4"-XLR adapter.

**the2Mic** is designed for either power supply to be placed on the floor during performances.

For performers who wish to stand, an optional belt clip is available.

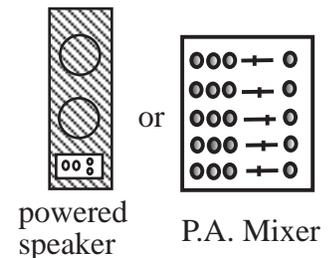
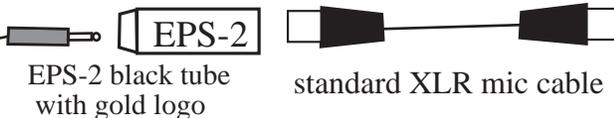


**Drawing #2**

**We recommend using a high quality Powered Speaker elevated on a speaker stand to provide the best overall performance, sound quality, and feedback control.**

the2Mic output cable terminates in a 1/4" mono plug to connect to the EPS-1 or EPS-2

**Mic level signal path (best)**



**Line level signal path (optional)**

