

# Product Manual & Mounting Instructions - The2Mic-VIIPER™ - phantom powered

For more information visit [the2mic.com](http://the2mic.com)

## OVERVIEW (Refer to drawing #1)

The VIIPER™ has two microphones mounted on separate goosenecks connected to an elastic mounting rig. Once installed, mic #1 will be suspended outside the soundhole, while mic #2 will be inside the guitar. A white dot on the windscreen indicates the active direction of each mic. Experiment with different mic placement locations to find the best sound quality.

## INSTALLATION (Refer to Drawing #2 and Drawing #1 and Photos on page 2)

Insert the mounting pad connected to the goosenecks into the soundhole along the treble edge of the fingerboard (1). Mic #2 will be inside the soundhole, and mic #1 will be outside the soundhole. Stretch the elastic along the treble side of the fingerboard and wrap around the heel (2), then stretch the opposite end of the elastic cord to attach to the end of the bass edge of the fingerboard (3). Note the position of the plastic service module in Drawing #1 so the output jack of the service module can receive a right angle TRS phono plug from the output cable.

## MIC RELATIONSHIP

It is the relationship (physical mounting positions) of the two mic elements which creates the authentic natural sound quality and feedback resistance of the2Mic Viiper. A white dot on the windscreen indicates the active direction of each mic.

We suggest:

Place mic #2 (inside the guitar) underneath the treble “E” string in the part of the soundhole closest to the bridge (see Drawing #2). The active face of mic #2 is pointed across the soundhole, and possibly angled slightly towards the interior of the guitar (the active face is designated by the white dot on the windscreen)

Place mic #1 outside the guitar so the white dot is pointed back towards the soundhole, and also so that it does not inhibit the guitar player’s hands.

If doing A & B does not create the desired sound quality, then re-position the mic inside the soundhole, and repeat testing the mic outside the soundhole until you get the desired sound.

## Additional Information:

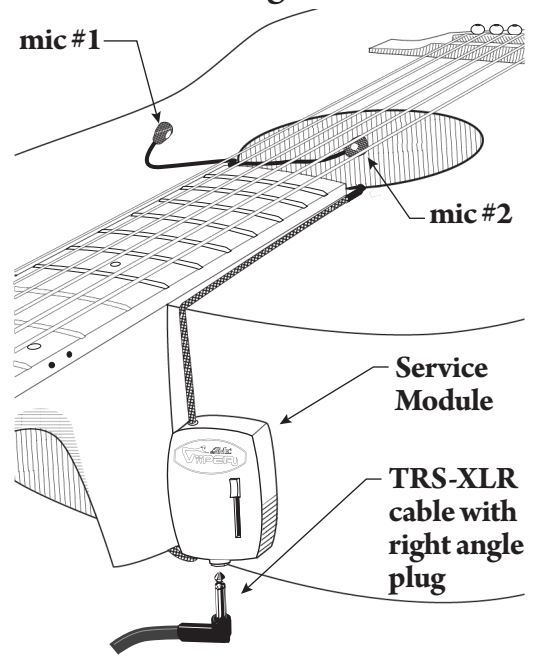
**TRS-XLR OUTPUT CABLE** (supplied with the Viiper) - this output cable is specifically designed for the Viiper, the TRS plug is 90° (right angle) to easily fall towards the floor and not contact the guitarist during use. *The Viiper will not operate using a standard mono guitar cable!*

**PHANTOM POWER** - 9-48v phantom power is required for the Viiper to operate. Phantom power is a standard feature for all modern professional audio equipment.

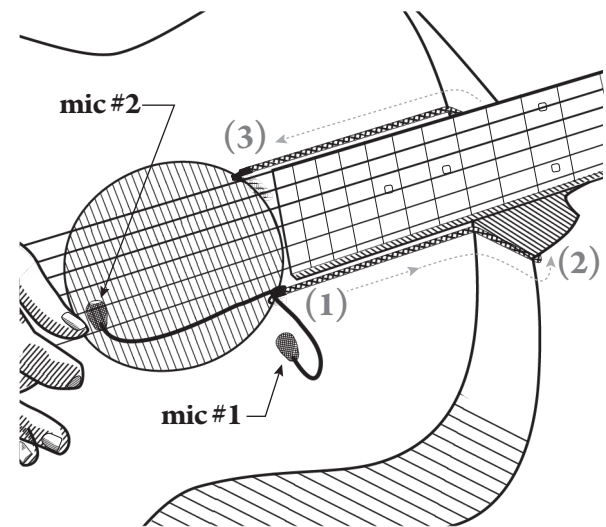
**FEEDBACK** - the2Mic-Viiper is the most feedback resistant mic in existence, and almost “feedback proof”. The Viiper, in rare cases, and mostly in low & mid frequencies, can feedback in extreme conditions. See more information about avoiding feedback at [the2Mic.com](http://the2Mic.com)

**REAR MONITORING** - With the feedback resistance of the2Mic-Viiper, it is possible to use monitors placed behind a guitarist, and pointing towards the audience. This “rear monitoring” speaker arrangement often helps to avoid many problems with live sound amplification. More information about rear monitoring at [the2Mic.com](http://the2Mic.com)

**Drawing #1**



**Drawing #2**

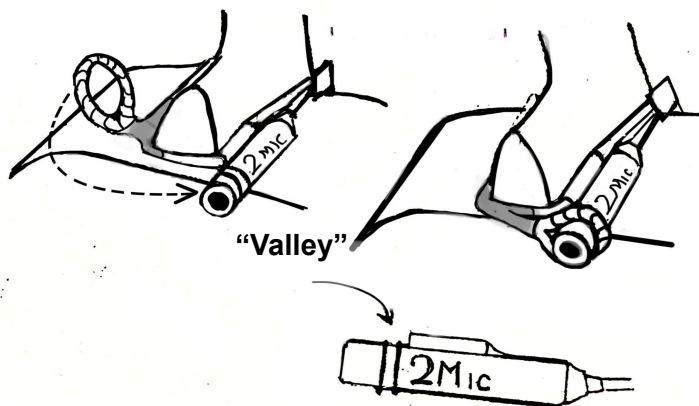


## Product Manual Addendum

We made a new design improvement option that was too late for the printed manual, so this Addendum will describe this new improvement option.

This option permits wrapping the loop of the elastic cord in a “valley” around the end of the output jack to further secure the output jack and elastic cord in a neat bundle...

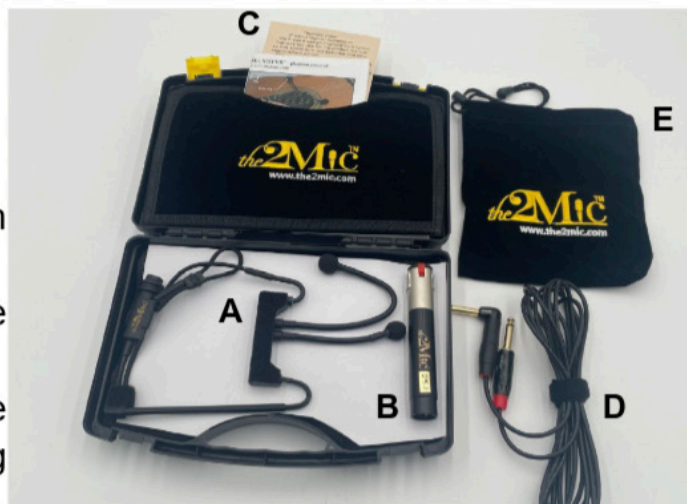
As shown in the drawing below.



### List of items enclosed -

Enclosed in this clamshell mic case are the following items:

- (A) One Viiper™ the2Mic assembly
- (B) One EPS-2 power supply (9-48 volt phantom power required)
- (C) A one page product manual with ¼ page addendum (update)
- (D) One mono output cable having one right angle connector, placed inside (E) a the2Mic cloth string pull bag.



### Message from the founder -

Thank you for choosing to amplify your acoustic guitar (nylon or steel string) with our the2Mic:Viiper™. The Viiper™ represents over 4 decades of my research and development to create a microphone system for acoustic guitars which:

- accurately reproduces the natural sound of any acoustic guitar
- can be used at high volumes without feedback
- installs on almost any acoustic guitar quickly, easily, and without modification to the guitar.

I hope; this Viiper™ allows you to bring the beauty of your music to many people, and makes your life as a performer easier and more enjoyable.

Ken Donnell  
May, 2025