

## MiniFlex 2Mic: Support Documents

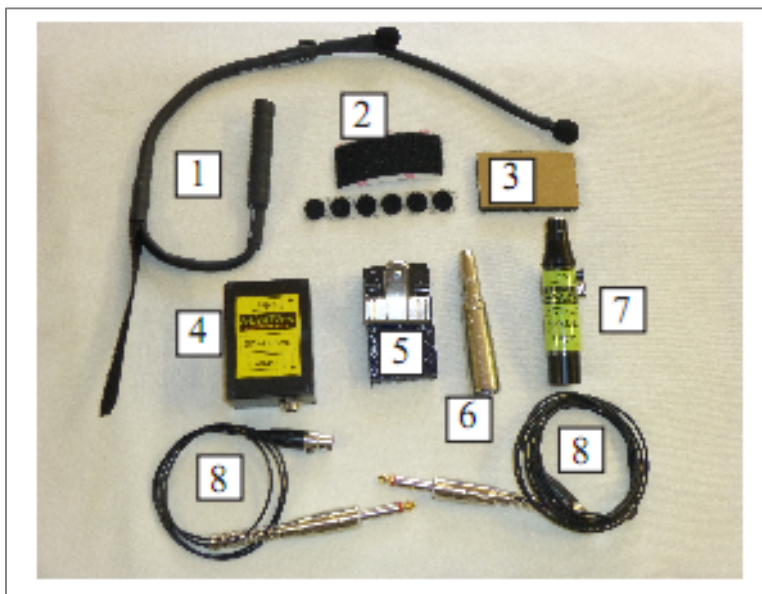
### Mounting and Usage Instructions: MiniFlex Model 3 – 2Mic

**Note:** Detailed installation videos for certain models are available at [www.miniflexmic.com/support](http://www.miniflexmic.com/support).

#### Part A: Components

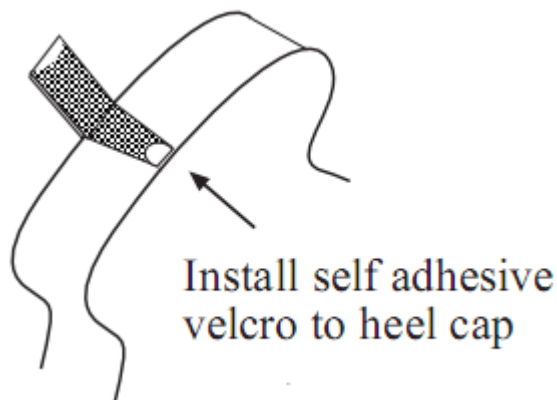
The MiniFlex Model 3 is comprised of the following eight components:

1. 2Mic gooseneck terminates in a 1/4" phone jack
2. Self-adhesive Velcro dots & bulk – cut to fit
3. VP-1 non adhesive Velcro patch
4. EPS-1, 12v Power Supply – two #28A 6v batteries inside
5. Belt clip for EPS-1
6. 1/4"-XLR adapter – optional adapter for EPS-1
7. EPS-2 XLR power supply – 9-48v phantom power, belt clip attached
8. 2pc Mini-XLR – 1/4" cables for EPS-2 – 3 ft. and 6 ft.



#### Part B: Drawing #1

Install self adhesive Velcro patch on heel cap. Use the Velcro loop dots supplied with your Model 3, or cut a piece with scissors to fit the shape of the heel cap. See [location] for optional use of the VP-1 – Velcro patch.

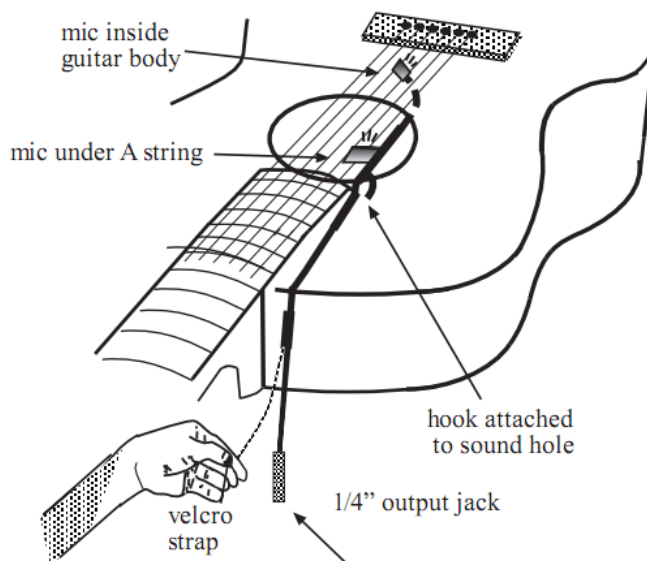


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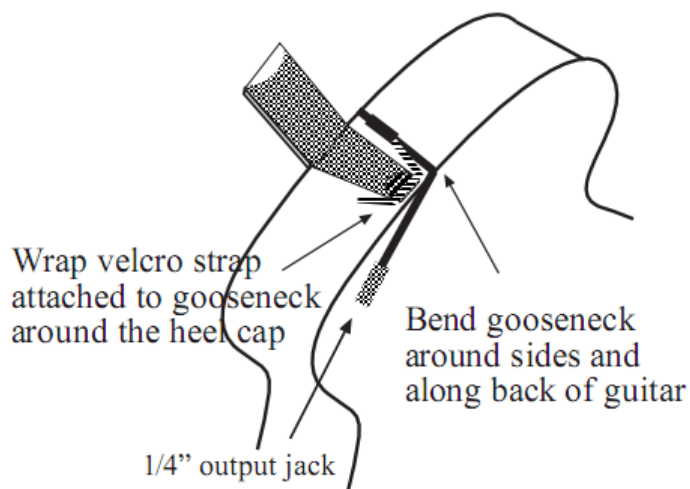
### Part C: Drawing #2

Shows the hook on the gooseneck attached to the edge of the soundhole so that the mic in the center of the gooseneck rests underneath the bass strings – 4, 5 and 6. The mic on the end of the gooseneck will pass through the soundhole and point towards the interior of the guitar body. The gooseneck travels along the bass side of the fingerboard, down the side of the guitar and transitions to a 1/4" mono output jack.



### Part D: Drawing #3

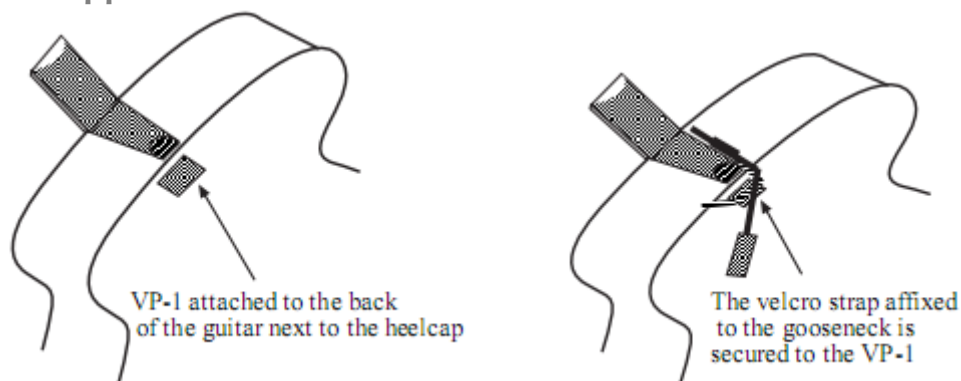
Pull on Velcro strap attached to gooseneck and wrap around the heel of the guitar so that the two Velcro parts will mate. Apply sufficient tension to the Velcro strap to hold the gooseneck in place against the guitar. The 1/4" output jack will point downward – toward the floor when guitar is played.



### Part E: Drawings #4 and #5

One VP-1 – Velcro patch is supplied with the Model 3, as an option for semi-permanent mounting of the Velcro loop to connect with the Velcro strap on the gooseneck. Carefully clean the guitar finish and allow to dry before installing the VP-1.

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The VP-1 bonds to the guitar finish by polymer friction. No adhesives are used. The VP-1 will remain securely in place for years, but come clearly away from the instrument at any time and with no damage to the finish. The VP-1 is a single application product. It will lose approximately 25% of its bonding capacity after each removal and re-application.

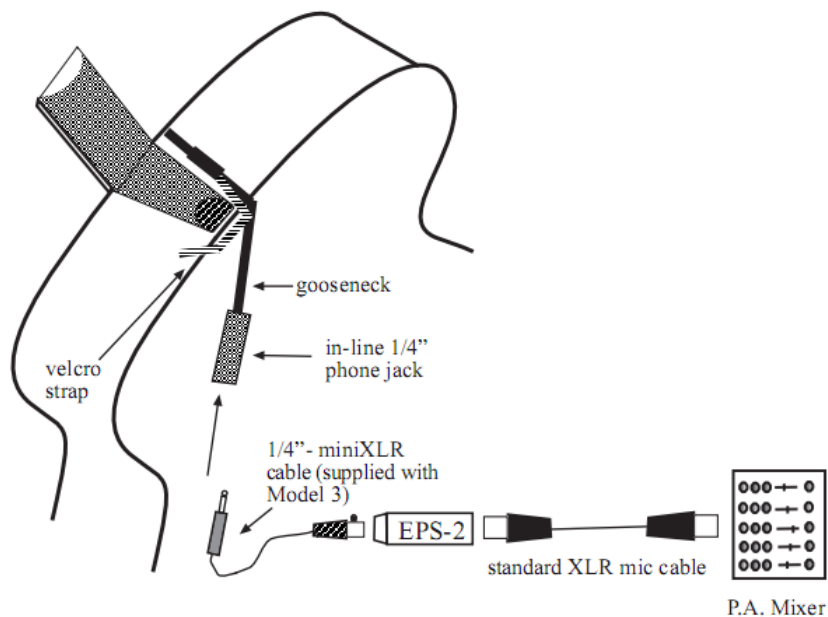
**Note:** The VP-1 cannot be used for guitars having a French polish – or shellac finish, as well as with any finish that is severely cracked, or crazed.

### Part F: Mic level vs. Line Level signal

The following diagram shows the signal path for either a Mic level signal, or a line level signal.

**Note:** More information about the benefits of either signal type can be found in [section]. Also, ensure that you use two hands to hold the output jack securely when connecting to or from the output jack.

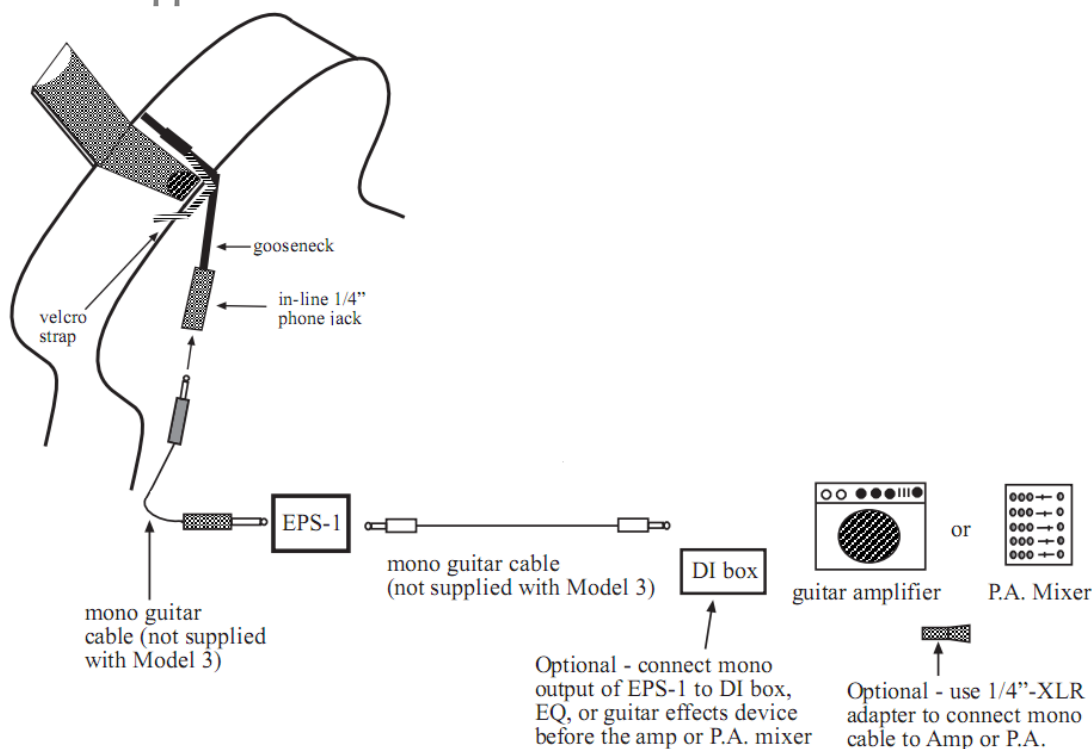
**Mic level signal – Best:** Use the 1/4" – mini XLR supplied with the Model 3 and the EPS-2 to connect to a P.A. via a standard XLR mic cable.



**Line level signal – Optional:** Use the EPS-1 and standard mono guitar cables. Compatible with DI Boxes and guitar effects. May work best with 1/4"-XLR adapter.

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### Part G: Information about using self adhesive Velcro materials

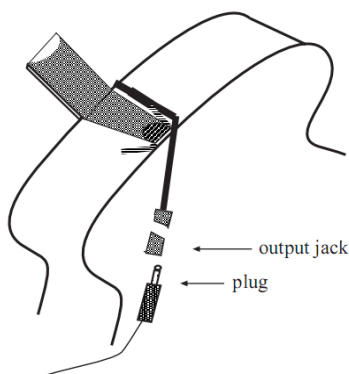
If left in place for weeks or months, self adhesive Velcro materials will sometimes leave an adhesive residue on the heel cap when the Velcro material is removed. This is especially true if the Velcro material becomes very warm, such as being left in the sun on a warm summer day. This residue can be easily removed using a rag damp (not soaked) with denatured alcohol, or naphtha – or cigarette lighter fluid. Neither denatured alcohol nor naphtha will harm the finish for most guitars – the exception being for guitars with a French Polish – or shellac.

**Note:** For guitars with a French Polish, it is best to first seal the heel cap with two light coats of spirit varnish. The alcohol base of a spirit varnish is most compatible with French Polish, will provide a firm surface for the adhesive of the Velcro material to bond, and can be cleaned using denatured – or rubbing alcohol.

### Part H: Connecting/Disconnecting the Output jack

The following diagram shows the importance of firmly holding the output jack on the gooseneck when connecting to or from the output jack.

**Very Important:** Again, be certain to hold firm the output jack at the end of the gooseneck when inserting or removing a plug. Always use 2 hands to insert or remove the plug from the output jack.

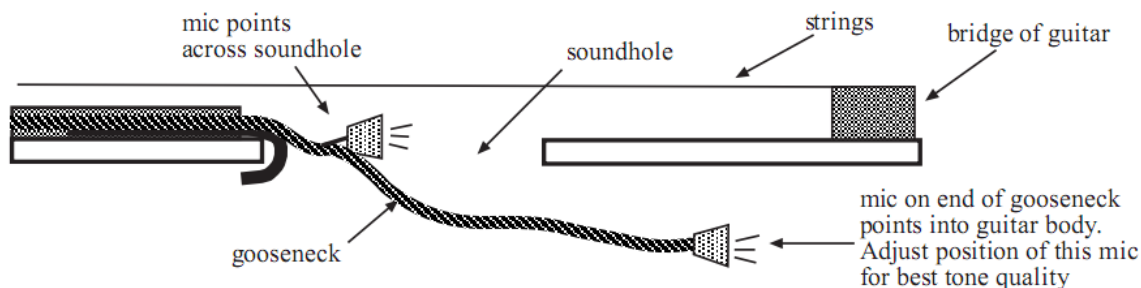


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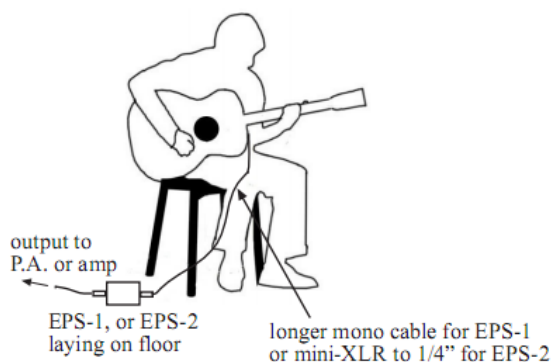
### Part I: Drawing #8 - Mic positioning - Side view of guitar soundhole.

The gooseneck needs to bend just inside the soundhole so the mic in the center of the gooseneck rests just below the strings and points across the soundhole. The mic on the end of the gooseneck is positioned inside the body of the guitar and points towards the center of the sound box. The mic on the end of the gooseneck can be positioned in whatever location provides the best overall sound quality. Feel free to experiment.



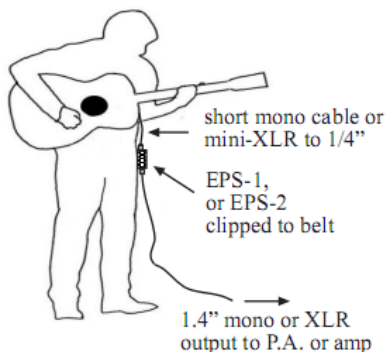
### Part J: Drawings #9

The following diagram shows a guitarist using Model 3 power supply lying on the floor – when seated.



### Part K: Drawings #10

The following diagram shows a guitarist using Model 3 power supply attached to the belt using clip – when standing.



### Part L: Supplied Power Supplies

The Model 3 is provided with two separate power supplies. Which power supply you choose will determine the strength of the output signal of the Model 3.

- The EPS-1 is 12v battery operated using two #28a – 6v batteries. Standard mono guitar cables will connect the 2Mic gooseneck to the EPS-1. 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. The EPS-1 produces a line

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level signal of 4.5K ohms, and is compatible with most guitar effects devices and DI boxes. An optional belt clip is provided for the EPS-1.

- The EPS-2 is operated by 9-48v phantom power from a P.A. mixer or other phantom power source. Use the miniXLR-1/4" cable – supplied with the Model 3, to connect from the 2Mic to the EPS-2. Output for the EPS-2 is a standard XLR mic cable. The EPS-2 can be clipped to the performer's belt using the 3 ft. miniXLR-1/4" cable or the EPS-2 can lie on the floor using the 6 ft mini-XLR-1/4" cable. Both the 3 ft. and 6 ft. mini-XLR-1/4" cables are supplied with the Model 3.

**Note:** Do not plug the EPS-2 directly to the inputs of the mixer or snake.

Whenever possible, it is recommended that the EPS-2 is used. The EPS-2 produces a balanced mic level signal and is protected from 60 cycle hum or interference from CB radios and can use long cable runs without loss of sound quality.

The EPS-1 may be best for guitarist who wants on-stage control of their sound using a DI. The EPS-1 may also be the best choice for use with amplifiers, effects devices, or other equipment that needs a line level mono input. Often, using the 1/4"-XLR adapter – supplied with the Model 3, and connecting into an XLR input will improve performance for the EPS-1.

### Part M: Microphone Specifications

Element: Electret condenser

Frequency response: 50 - 16K Hz

Pattern: Cardioid, uni-directional

Output – EPS-1: 12v battery power, 4.5K ohm unbalanced

Output – EPS-2: Phantom power, 500 ohm, balanced

Sensitivity: -45 dB

Max. SPL: 131 dB

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Patents: 5,010,803 & 6,441,292 • Other patents pending



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