

## Read Me First!

Installation of this product is a straightforward procedure, but we recommend this job only if you are an experienced repair technician.

## Requirements

### Saddle slot:

Minimum saddle slot length: 2.775" (70.48mm)

Maximum E to E string spacing at saddle: 2.5" (63.5mm)

### Control mounting surface

The control module for this system was designed to fit in most guitars without modification, but we cannot guarantee a drop-in fit with all instruments. Before you begin installation, pre-fit the control module in the soundhole. Ideally, the controls should lie flat with the housing flush to the edge of the soundhole.

## Preliminary

1. Widen the endpin hole to  $\frac{15}{32}$ " (11.9mm) to accommodate the endpin jack.
2. Drill a  $\frac{3}{32}$ " hole (2.4mm) in the saddle slot for the pickup wire, no less than .100" (2.5mm) from nearest string. Install the pickup per Acoustic Matrix installation instructions (figures 1, 2).
3. Solder the pickup wire to the preamp per Acoustic Matrix installation instructions (figure 3).

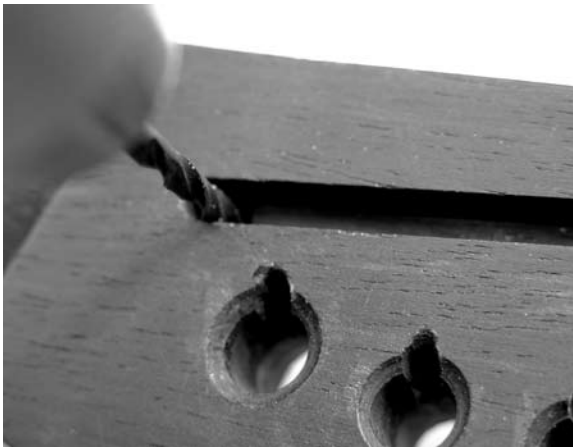


Figure 1.



Figure 2.



Figure 3.

## Installation



### Seal the mounting surface

To ensure a strong and reliable bond, you must now sand, clean and seal the underside of the soundhole where the preamp will mount.

1. Sand the underside of the soundhole down to bare wood. Take care to remove all residual lacquer, polish and dirt.
2. Use mineral spirits to clean the sanded area. Remove any excess oil, resin and dust from the exposed wood. Let the area dry before proceeding to the next step.
3. Seal the exposed wood with an appropriate coating. Use only a coating that will bond the wood fibers and present a hard, uniform surface for the adhesive. We recommend any of the following:

- Hide glue
- All purpose two-part epoxy
- Cyanoacrylate glue (higher viscosity, non-instant type)
- Carpenter's glue

Let the area dry before proceeding to the next step.

### Endpin jack

Install the endpin jack per Switchjack Installation Guide.

### Test controls for fit

Before exposing the adhesive, test the control module for fit. Locate the module flush with the edge of the soundhole, on the bass side (figure 4).

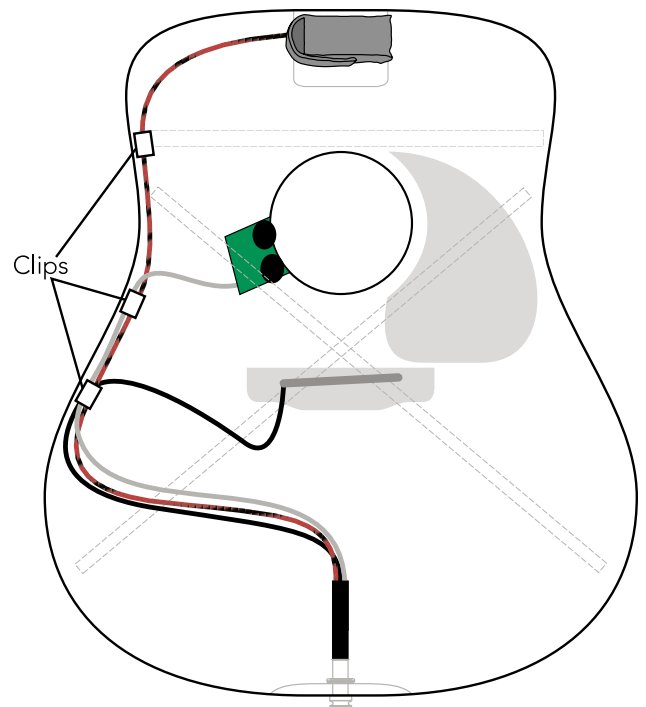


Figure 4.

### Fasten the control module

Peel back the release film on the bottom of the mounting bracket and fasten the preamp to the underside of the soundhole. Apply even, steady pressure to the preamp to set the adhesive. The adhesive gains maximum hold after 24 hours.

**Secure the wires** inside the instrument with the supplied adhesive-backed clips (figure 4). Clean the area where you will mount the clips with mineral spirits. Let the area dry before continuing.

### Battery bag

Install the battery bag on or near the neck block.

1. Clean the area where you will mount the bag with mineral spirits. Let the area dry before continuing.
2. Peel off the plastic film from the Velcro patch and attach the bag at the chosen location.
3. Carefully separate the bag from the Velcro patch. To set the adhesive, burnish the entire area of the patch, especially the edges.
4. Install a 9V alkaline or lithium battery. Tuck the battery into the bag and re-attach to the Velcro patch. The adhesive requires 24 hours to achieve a full bond.