

PRODUCT MANUAL

POWERMIX PURE SYSTEM

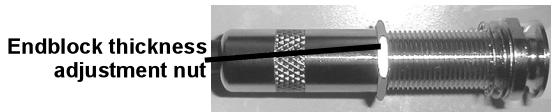
PREPARATION AND PICKUP INSTALLATION

Please familiarize yourself with the installation manuals for the FanTaStick undersaddle transducer and the Pure bridgeplate pickup. (You can disregard the paragraphs regarding the endpin jack.)

1. First, install the FanTaStick according to its manual.
2. Place the PowerMix 2-Channel Preamp, the volume control element, and the battery holder through the sound hole inside your guitar. Place them out of the way for now.
3. Next, install the Pure pickup according to its manual.

ENDPIN JACK INSTALLATION

1. Unscrew the endpin jack's strap knob.
2. Take off the nut and washer.
3. Find out the thickness of your end block and set the nut on the cap accordingly (see picture below). Once in place, screw the cap against it to secure the nut.



4. Insert the jack from the inside into the endpin hole. Tip: A chopstick or something similar will help you get a hold of the jack to pull it through the hole.
5. Attach the outside washer and nut and tighten. Attach the strap knob.
6. Note: Make sure that the strap knob screws in ALL THE WAY over the outer threaded part of the jack, so that a tiny portion of the thread is exposed when the strap-knob is tightened.

POWERMIX PURE PREAMP

This preamp features 3-band EQ plus a gain control for each individual channel. These controls are called "trim pots." They can be adjusted with a small, long screwdriver.

The EQ trim pots are in linear position (no cut or boost) when the white arrow points to a center position. Please keep in mind that the midrange trimmers, as opposed to the bass and treble trimmers, are oriented 90 degrees clockwise

The gain trimmers set the degree of pre-amplification on the input of the circuit. They act like volume controls but if they are set too high, distortion may occur. (Note: The lowest (counterclockwise) setting does not shut the channel off. It is the lowest available gain setting.) We recommend you use the gain trimmers to balance the two channels so that when you turn both thumbwheel volume controls to full, you have each channel at your maximum desired volume. From there you can blend the two channels in any way you desire.

We factory preset these trimmers, but this setting will likely not be perfect for your guitar. Feel free to adjust the trimmers in any way you like. (Tip: Keep written records of the settings you like.) The preamp's EQ and gain should be set to fit your guitar and style. Once you found your settings, you may never have to touch the controls again. Use the EQ on your amp or PA to compensate for different room acoustics.

Please unplug the endpin jack from the guitar to switch the battery off.

ADJUSTING THE PREAMP

The PowerMix System comes with a long blade precision screwdriver to adjust the trim pots on the preamp board. It also includes a sticker that describes the thumbwheels and the trim-pots function which you should attach somewhere inside your guitar case.

The photo below shows EQ settings on the preamp board that we recommend as a starting point. Please look closely at the white indicator arrows in the center of the trim pots.

Undersaddle channel:

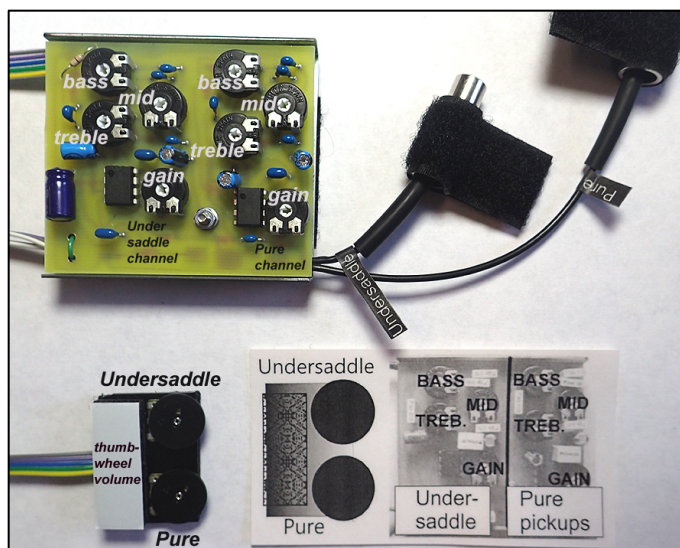
- boost bass (ca 2.30 o'clock on the little white arrow indicator)
- cut mids all the way left
- cut treble (arrow indicator ca 9 o'clock)
- gain ca 11 o'clock

Pure Pickup channel:

- bass and treble almost flat (arrow indicator 12 o'clock)
- cut mids all the way left
- gain ca 3 o'clock

This is only a starting point. We try to set the gain trimmers so both pickups are about equally loud when the according thumb-wheel is full up.

At a performance we generally recommend to use as much Pure Pickup as possible and then add undersaddle sound as desired.

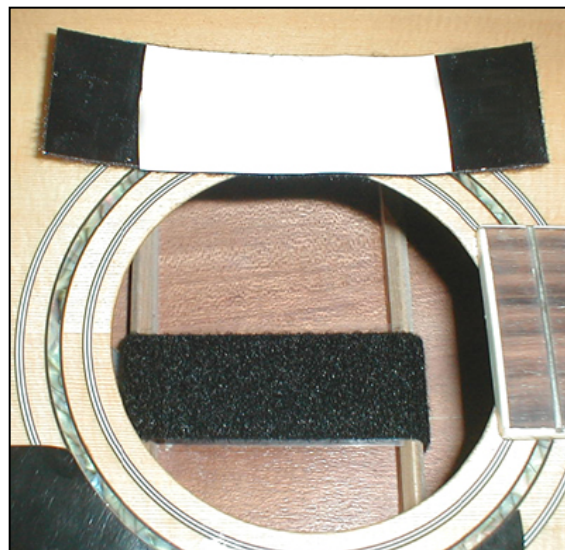


INTERNAL PREAMP INSTALLATION

The preamp is attached with a self-adhesive Velcro fastener. For convenient access, it is best to mount the preamp directly under the sound hole. This allows for quick access to the EQ trimmers with a long, small blade screwdriver.

If you do not want to stick Velcro directly to the label of the guitar, we recommend this temporary mounting technique: Use the supplied 6" strip of Velcro and trim the length and the protection paper as shown in the photo. Usually there is about 3 1/4" (85mm) distance between the 2 braces. Please measure your guitar and trim accordingly. Stick one Velcro-end to one brace, pull the strip tight and stick the other end to the next brace. Now you can temporarily attach the preamp to this strip.

If you prefer, you can keep the preamp attached in this way. It is actually quite sturdy. However, once you are done with your sound adjustments you can move the preamp to another location, deeper inside the guitar.



INSTALLING THE BATTERY HOLDER

Please install the battery holder to the neck-block with its self-adhesive Velcro fastener. To change batteries we recommend you remove the entire holder, change the battery comfortably under the sound hole, and re-attach it to the neck-block.