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**USER GUIDE
PREFIX PLUS-T**

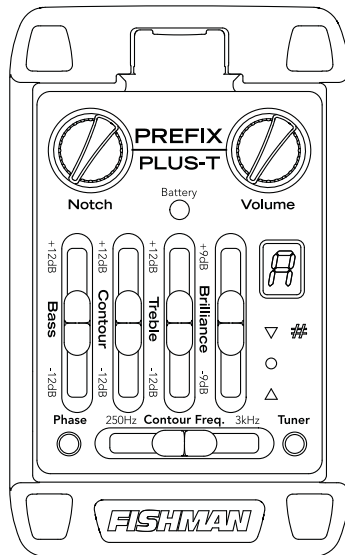
Welcome

Thank you for making Fishman a part of your acoustic experience. We are proud to offer you the finest acoustic amplification products available; high-quality professional-grade tools to empower you to sound your very best. We are confident Prefix Plus-T will both enhance and inspire your music making.

Quick Start

Before you begin, set the controls as shown:

- 1. Plug in** • Use a ¼-inch instrument cable.
- 2. Tune up** • Press the **Tuner** button. When engaged, Tuner mutes the output. Press again to exit Tuner.
- 3. Turn up** • Raise the **Volume**.
- 4. Pickup tone** • Adjust tone controls.



Controls

Volume • For the cleanest signal, set the **volume** knob as high as possible, without causing distortion or feedback.

Bass • Boost here to add depth and weight to the sound of the guitar.

Middle • Turn the **middle** knob all the way left for a smooth “scooped out” tone at high volume levels. Raise the **middle** knob to the right of center to add midrange “bite” to the sound.

Treble • Boost to cut through the mix. Cut to mellow and subdue the sound.

Brilliance • This slider can add shimmer and sparkle to your sound. It zeros in on crisp high frequency tones, the realm of harmonics and acoustic string sound. Lower the **brilliance** slider to reduce finger noise and fret buzz.

Notch • Tune the **notch** filter to remove low-end feedback. Raise the **volume** until feedback occurs, then slowly turn the **notch** to the right until the feedback is eliminated.

Tuner

Depress the **Tuner** button to turn the circuit on and off. This digital chromatic tuner accommodates all standard and alternate tunings and mutes the output when engaged. It can be activated without an instrument cable connected, in which case it will turn itself off after three minutes.

Note: the tuner is calibrated to A = 440.



below pitch — ▼ # — pitch is raised ½ step
in tune — ● flashes in edit mode
above pitch — ▲

Phase

Use the **Phase** switch to improve bass response at low volume and suppress feedback at high volume. If feedback occurs, push the **Phase** switch. If feedback recurs when you change your location, press switch again.

Power

Plug in the guitar, and the Prefix Plus-T switches on. The Battery LED will flash once at power-up to tell you the preamp is on.

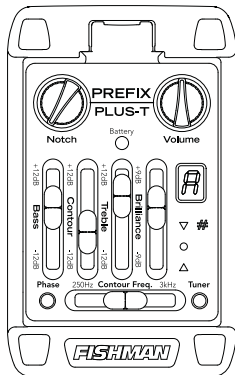
Low Battery Indicator

When the **Battery** indicator lights steadily, it is time to change the battery. To conserve power, unplug the instrument and turn off the tuner when not in use. Replace the battery by flipping open the preamp body using the latch located at the top of the preamp. Be sure to observe the correct polarity during this installation.

Sample Settings

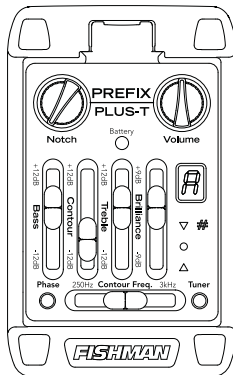
Fingerstyle

This will add fullness to the bass and definition to the treble.



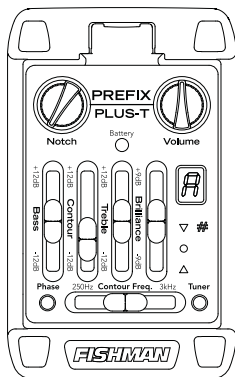
“Scooped” Mid

This setting emphasizes extreme bass and treble



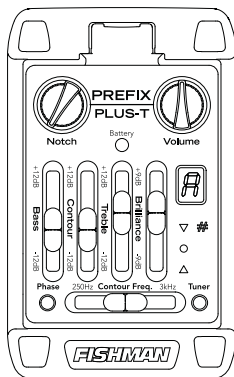
Strummer

A good setting for strumming chords.



Cut Through the Mix

When you need to be heard through a loud band.



Electrical Specifications

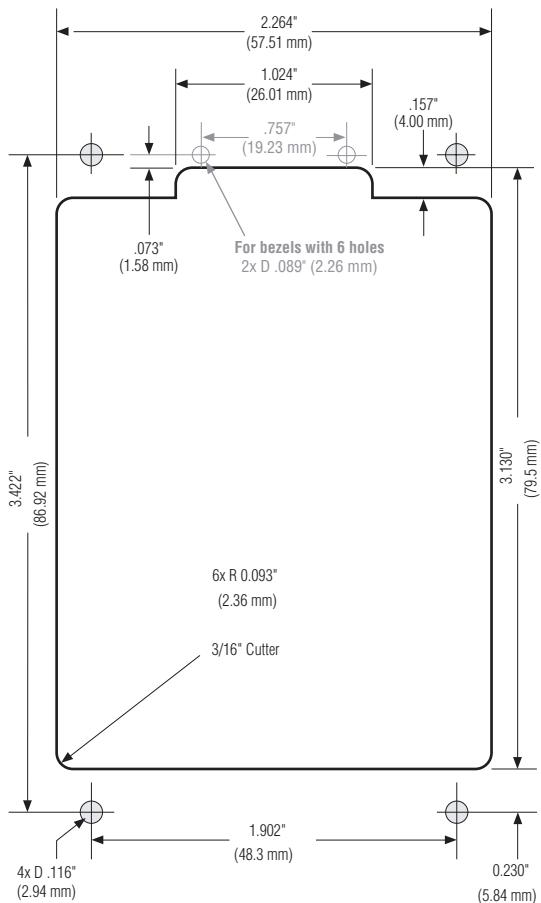
Nominal Input Level:	-20dBV
Input Impedance:	20M Ω
Output Impedance:	Less than 3.5k Ω
Nominal Output Level:	-12dBV
THD:	Less than .04 %, -20dBV input
Noise Floor:	-97dBV
Dynamic range:	104dB
Battery Life:	150hrs. (tuner off)
Notch Filter Range:	30Hz – 300Hz (-15dB)
Bass control frequency:	60Hz
Treble control frequency:	10kHz
Contour control frequency:	250Hz – 3kHz; Q = 0.5
Brilliance control frequency:	10kHz; Q = 0.5

All specifications subject to change without notice.

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Fishman Prefix Series Cutout Template



Read Me First!

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

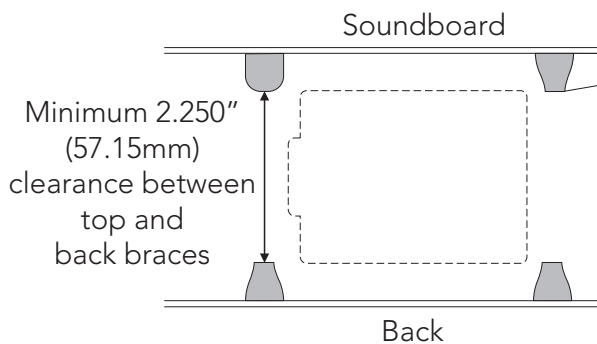
Requirements

Saddle slot

Minimum saddle slot length: 2.775" (70.4mm)

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

The Prefix preamp will only fit in guitars with a clearance of at least 2 1/4" (57.15mm) between the top and back braces, at the point where the preamp chassis swings inside the instrument.



Installation

Preliminary

1. Widen the endpin hole to $1\frac{15}{32}$ " (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.

Cut out the preamp cavity

Please note: For instruments with solid wood sides (especially maple), we strongly recommend that you glue 2.5" (63.5mm) x .5" (12.7mm) plywood patches in the areas inside the guitar where the screw holes will be drilled. Doing so will prevent the area around the mounting holes from cracking or splintering and will strengthen the side of the instrument at the cutout.

1. Choose the flattest possible location for the preamp on the side of the instrument. The flattest and most comfortable location for the player is often at the upper bout, just above the instrument's waist and well below the shoulder. Note that the bezel has a limited ability to bend just enough to conform to the curved sides of most standard sized instruments.

Caution! When mounting the Prefix on solid wood instruments with highly curved sides (such as small bodied acoustic-electrics), exercise extreme caution when choosing the preamp location.

A highly curved mounting surface may cause the preamp to bind against the mounting bezel or in worst cases may cause the wood to crack around the preamp mounting holes.

2. Attach the enclosed cutout template at the desired location and cut out the cavity for the preamp.
3. Drill the preamp mounting holes with a #45 drill (.082" / 2.08mm).

Output cable/endpin jack wiring

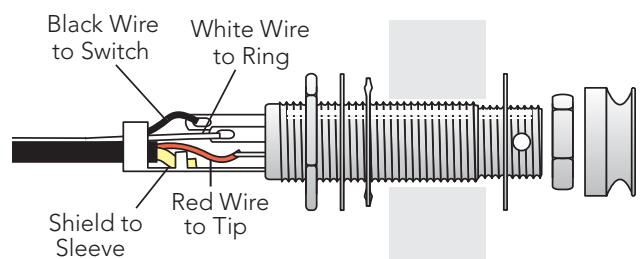
Important note: To ensure full pivot action for the preamp, remember to leave an extra 3" (76.2mm) of slack when you decide the output cable's final length.

Solder the wire connections

1. Determine the proper length for the cable, then, if necessary, strip and tin the output wires.
2. To gain better access to the terminals on the endpin jack, gently bend back the Strain Relief/Sleeve tab before you begin to solder.

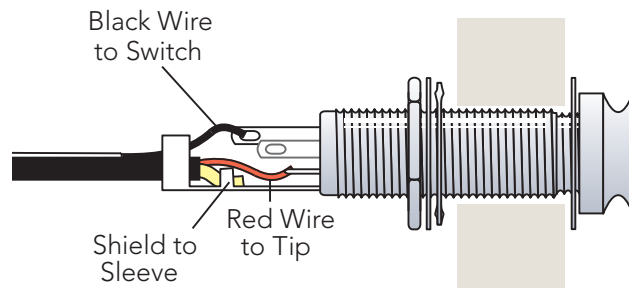
Jack connections for the Prefix Premium Blend model

- Red wire to Tip (short terminal)
- White wire to Ring (middle terminal)
- Black wire to Switch (longest terminal)
- Shield wire to Sleeve (strain relief)



Jack connections for Onboard Aura and Prefix Plus-T models

- Red wire to Tip (short terminal)
- Black wire to Switch (longest terminal)
- Shield wire to Sleeve (strain relief)



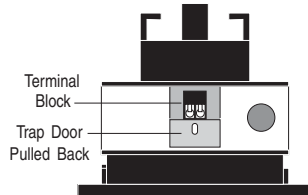
- Ring is not connected (middle terminal)

Endpin jack

Install the endpin jack per Switchjack Installation Guide.

Mount the preamp

1. Insert the pickup in the saddle slot.
2. Carefully pull back the "trap door" on the preamp (located next to the output cable) to expose the

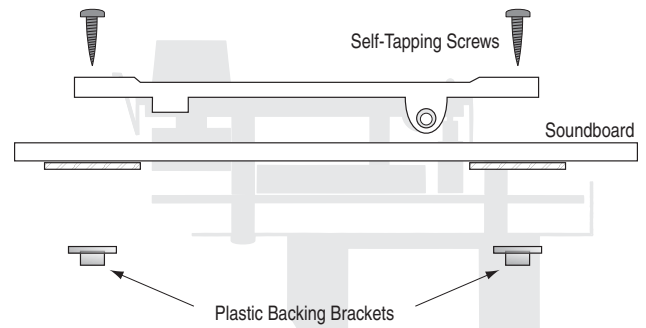


terminal block.

3. Insert the hot pickup wire (inner conductor) in the left side of the terminal block, marked "IN," the pickup ground wire (shield) in the right side of the terminal block, marked "GND," and tighten down the screws on the top of the terminal block with a $\frac{3}{32}$ " (2.4mm) slot head screwdriver.

4. Snap closed the trap door.

5. Angle the preamp 90° from the bezel and insert it in the cut-out, then fasten the preamp bezel using the four self-tapping screws and the two plastic backing plates.



Complete the installation

Install a 9V alkaline battery.

To keep the wires inside the guitar from rattling, secure them with the included adhesive backed clips. Attach the wire guide clips to the side of the instrument.