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FISHMAN®

USER GUIDE
PLATINUM PRO EQ

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 that Platinum Pro EQ will both enhance and inspire your music making.

Quick Start

Power – Install a fresh 9V battery (not included) or connect a Fishman power adaptor.

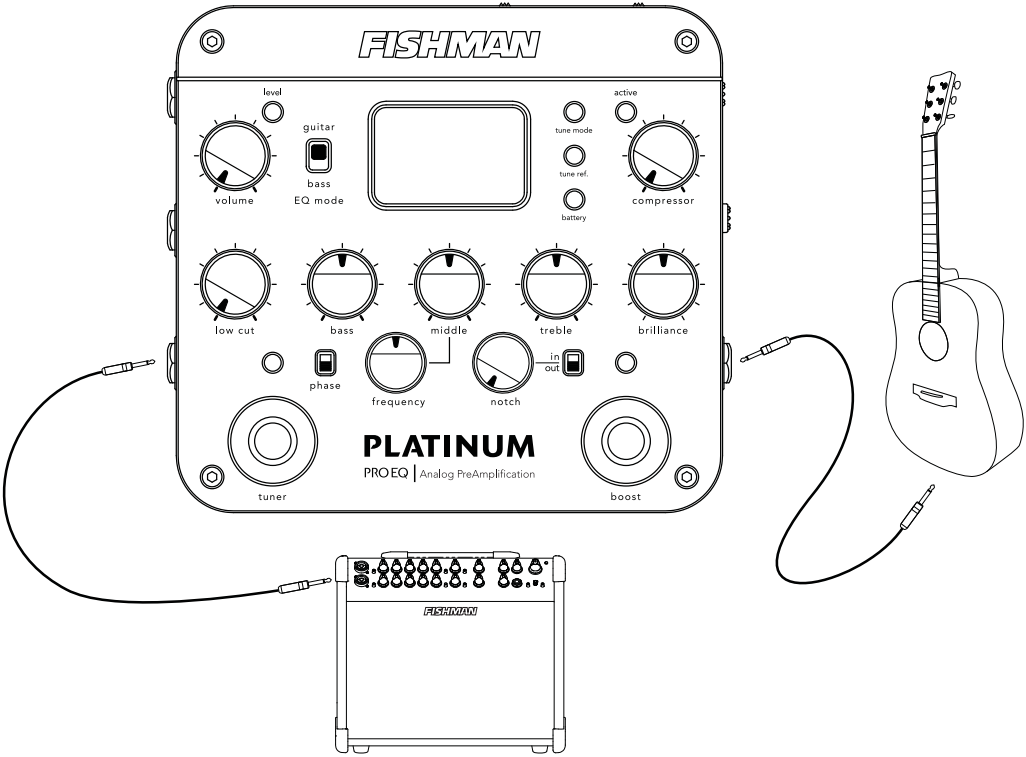
Set the controls – Volume at minimum and all other controls as shown. When using Platinum Pro EQ with bass instruments, set the **EQ Mode** to **bass**. Set **EQ Mode** to **guitar** for all other instruments.

Plug in – Use standard ¼-inch and XLR shielded instrument cables.

Set trim – Play hard and adjust the input **trim** (on the right side) so the **level** LED flashes only occasionally.

Tune up – Step on the **tuner** footswitch to tune with the output muted.

Kill feedback – If feedback starts, change the position of the **phase** switch. If feedback persists, set the **notch** switch to **in** and slowly rotate the **notch** knob to "dial out" the feedback.


FISHMAN
level
guitar
bass
volume
EQ mode
tune mode
tune ref.
battery
active
compressor
low cut
bass
middle
treble
brilliance
phase
frequency
notch
in
out
tuner
boost
PLATINUM
PRO EQ | Analog PreAmplification
FISHMAN

Making Connections

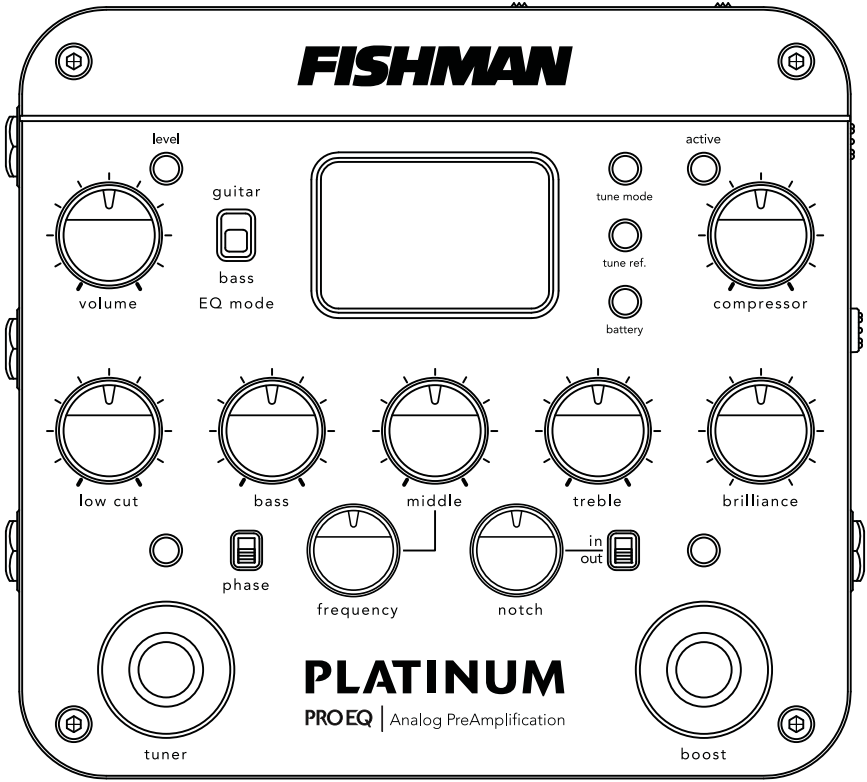
Playing live

For the best sound reproduction when performing live, connect to an acoustic instrument amp, PA system, powered monitor or other full-range audio system. The balanced XLR D.I. output eliminates an outboard D.I., providing a high quality, noise free signal.

Going direct

For direct recording, there is no better solution than using Platinum Pro EQ's balanced XLR D.I. or 1/4" output.

Front Panel Controls



Front Panel Controls

Volume & Level

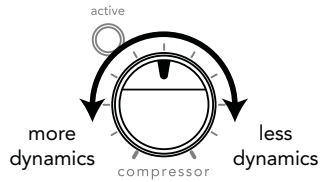
The **volume** control affects the overall output level coming from the 1/4" output; the XLR D.I. output is always at a fixed level to prevent unwanted gain changes at the F.O.H. mixer. For the cleanest signal, set the **volume** as high as possible without clipping the next device in the signal chain.

The **level** LED monitors distortion at many points in the signal chain. If it lights frequently, reduce the **input trim** control on the right side of the device.

Compressor

As you turn this knob clockwise, your overall playing dynamics become increasingly limited, making softer notes louder and controlling loud spikes in your playing. This can be helpful in performances where you desire a more even level to your playing.

The **compressor** control adjusts the threshold of the automatic leveling circuit that follows the preamp section. The compression ratio, attack time, and release time are fixed.



The **active** LED monitors the strength of the compressor circuit:

- The LED lights green when the signal reaches compression threshold.
- The LED lights yellow when the signal over threshold is being reduced as much as 6dB.

Front Panel Controls

EQ Mode

Platinum Pro EQ's **EQ Mode** switch offers tone shaping flexibility not commonly found in an instrument preamp.

- When this control is set to **guitar**, the tone controls are voiced to be most useful for recording or amplifying acoustic guitar and most other instruments.
- When this control is set to **bass**, the tone controls are adjusted to be most suitable for recording or amplifying acoustic and electric bass.

Tone Controls

Low Cut: a variable high-pass filter, labeled **low cut**, can be used to remove sub-sonic frequencies present in some passive pickups.

Bass: A boost here will add depth and weight to the sound of an instrument with light bass response. Cut the bass a few dB to tighten up the big boomy tone of a dreadnought or jumbo guitar.

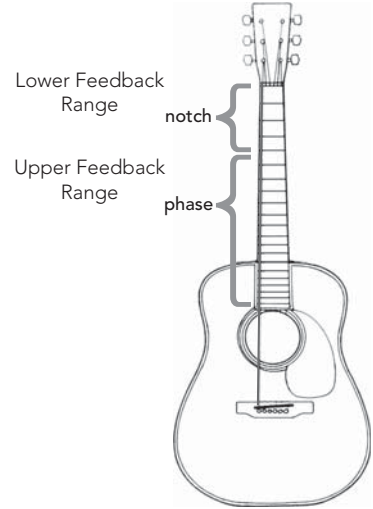
Middle: Two controls (**level** and **frequency**) make up this EQ circuit. The **frequency** control lets you tune in on a specific mid-frequency range which you can boost or cut with the **middle** control.

Treble: A boost here will help to "cut through the mix." Conversely, cutting the Treble will mellow and subdue your amplified tone.

Brilliance: This control can add shimmer and sparkle to your sound or reduce excessive finger noise and fret buzz.

Front Panel Controls

Notch & Phase



These controls work to suppress two adjacent ranges of acoustic feedback. We use guitar as an example, but the Notch filter and Phase switch are compatible with all acoustic instruments.

The **notch** control is a variable frequency notch filter designed to subdue a resonant peak on the instrument which is prone to feedback. Turning the control adjusts the center frequency of the filter, ranging from 45Hz to 1kHz at full clockwise. Turn the control to "dial out" the offending frequency.

The **in/out** switch can be used to bypass the notch filter altogether.

The **phase** switch flips the polarity of your instrument signal from positive to negative, changing its relationship to the sound coming from the amplifier. One phase setting usually provides better resistance to feedback than the other and will vary depending on the instrument and playing environment. Another approach to determining optimal phase is the selection which sounds or feels most natural when playing.

In certain playing environments the Phase switch may not have an audible impact.

Front Panel Controls

Boost

The **boost** foot switch creates an increase in volume only when the LED above the foot switch is lit. The range of volume boost can be set from 3dB to 12dB using the **boost level** control found on the right side panel.

Tuner

Platinum Pro EQ features an integrated digital tuner with selectable tuning modes and reference tuning frequency adjustment. To activate the tuner, press the tuner foot switch: the tuner LED will light and the audio outputs will be muted.

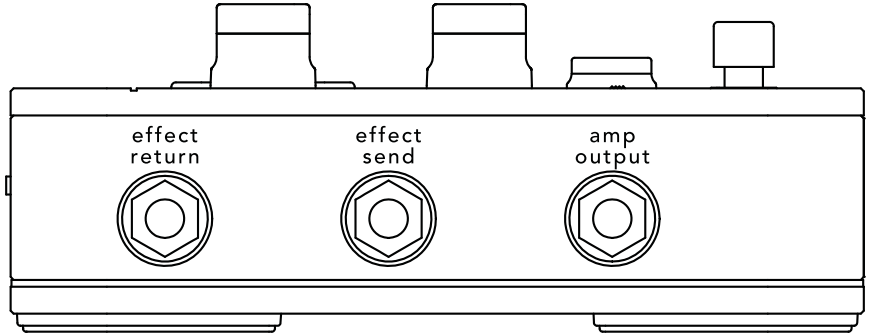
Tune mode: five tuning modes are available: fully-chromatic, ukulele, bass, guitar, violin. When in these modes, the display will indicate string number as well as degree of tune.

Tune ref.: pressing this button changes the reference tuning frequency for situations that do not call for an A note reference of 440Hz.

Battery

The **battery** indicator will light steadily when it is time to change the battery. Open the battery door underneath the pedal and install a fresh 9V alkaline or lithium battery. When the **battery** LED comes on you have approximately one hour of remaining battery life.

Left Side Panel



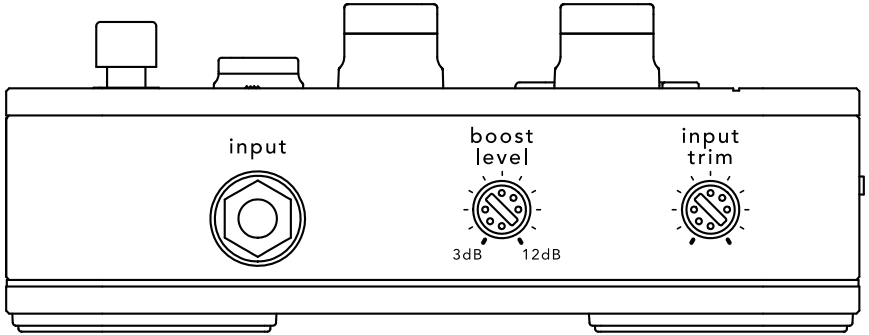
Amp Output

Use a standard ¼-inch instrument cable to connect the **amp output** to your amplifier, mixer or effect devices. You can also connect this output to an unbalanced input on a recording system.

FX Loop

The 1/4 inch **effect send** and **effect return** jacks allow you to insert external devices into the signal chain just prior to the 1/4" and XLR D.I. outputs. The overall output level will still be affected by the **volume** control.

Right Side Panel



Input

Plug in an instrument here with a standard ¼-inch instrument cable. If you have a passive undersaddle pickup (no battery onboard), use as short a cable as possible to minimize the loading affect of the cable.

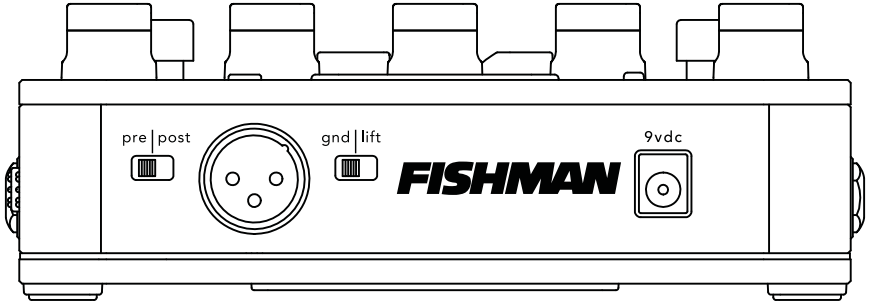
Trim

Raise or lower the **trim** to optimize the input level for your pickup. Play hard and adjust **trim** so **level** LED flashes occasionally. Some pickup systems may not cause the light to flash at all and other onboard preamps may require you to turn their output down to achieve an optimum level.

Boost Level

The **boost level** determines the amount of volume boost when the **boost** foot switch is activated.

Top Side Panel



XLR D.I. Output

Connect a standard microphone cable here to feed recording equipment or a sound reinforcement mixing console.

Pre / Post

When set to **pre**, the XLR output receives an unfiltered signal directly from the input, prior to any level or tone controls. The **post** setting provides a fully-shaped output that is unaffected by the **volume** control.

Ground Lift

When a ground hum occurs, set this switch to **lift**.

9VDC

Power may be supplied by either a 9V battery (battery compartment underneath the pedal) or the Fishman 910-R (for 110V).

Specifications

Input impedance:	10M Ohms
Input trim gain range:	-6dB to +14dB
Amp Output:	
Level:	-∞ to +6dBV
Output Impedance:	1k Ohms
XLR D.I. Output:	
Level (pre EQ):	-10 dB relative to input
Level (post EQ):	0 dB relative to input
Output Impedance:	600 Ohms
Baseline noise:	-90dBA
Dynamic range:	95dBA
Tone Controls:	
Low Cut control:	10Hz to 160Hz
Bass control:	±12dB @ 115Hz (guitar) ±12dB @ 85Hz (bass)
Middle control:	±12dB @ 200Hz to 3.1kHz; Q = 1.3
Treble control:	±12dB @ 6kHz (guitar) ±12dB @ 3khz (bass)
Brilliance control:	±7dB @ 10kHz (guitar); Q = 0.8 ±7dB @ 5kHz (bass); Q = 0.8
Notch Filter:	45Hz to 370kHz; Q = 8 12dB Attenuation

Specifications

Compressor:	
Ratio:	2.5:1
Attack time:	10ms
Release time:	100ms
Phase switch:	Down position = non-inverting
Tuner:	
Modes:	chromatic, guitar, bass ukulele, violin
Detection range:	27.5Hz (A0) to 4186Hz (C8)
Pitch accuracy:	0.5 cents
'A' note Reference:	430Hz to 450Hz
Power:	
Power supply:	9V battery or 9VDC adapter
Typical in-use current consumption:	17mA (tuner off)
Typical 9V battery life:	30 hours using alkaline battery
9V adapter:	Fishman 910-R (for 110V) or suitable filtered and regulated, 200mA type, tip = negative

All specifications subject to change without notice.

FCC Compliance Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

NOTE: Fishman Transducers, Inc. is not responsible for unauthorized equipment modifications that could violate FCC rules, and/ or void product safety certifications.

EU Declaration of Conformity CE: Hereby, Fishman declares that this Platinum Pro EQ is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

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