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FISHMAN

USER GUIDE
OUTBOARD PREAMPS

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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 which empower you to sound your very best.

Preamp Formats

G II: For acoustic instruments including guitar, violin, viola, 'cello and mandolin.

B II: For upright acoustic bass and acoustic/electric bass guitar.

Pro-EQ II: More tone shaping EQ for all acoustic instruments, including bass.

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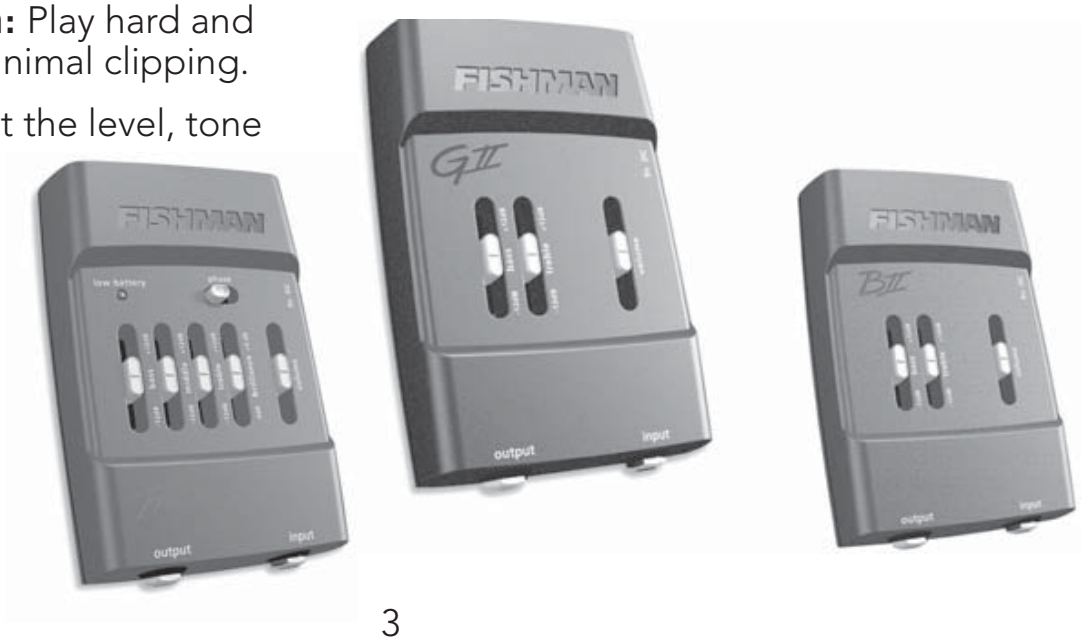
Quick Start

Power: Install a 9V alkaline or lithium battery (not included).

Plug in: Use standard ¼" shielded instrument cables.

Set input gain: Play hard and adjust gain for minimal clipping.

Dial it in: Adjust the level, tone or EQ to taste.



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Features

Power

Power may be supplied by either a 9V battery (battery compartment under the device) or an AC adapter (sold separately). Insert a plug into either input jack, and the preamp powers up. To conserve the battery, remove the plug(s) from the input jack(s) when not in use.

For AC power, use the Fishman 910-R (for 110V) or other suitable 9V adapter. The adapter must be filtered, regulated and rated for at least 200mA. It must also accept AC power appropriate for your country. Power-plug requirements: 5.5mm O.D., 2mm I.D., tip = negative.

Input

The input accepts all piezo and magnetic pickups (passive or active). It is a good idea to turn down your amp or mixer before you plug into the input of the preamp.

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Output

Plug a standard instrument cable from the output to a stage amp, a DI or an unbalanced microphone input on a mixer.

Input gain

You'll find this miniature rotary control recessed in the back of the preamp. Like a trim control on a mixer, the input gain accommodates a variety of signal levels. Use a slot head jeweler's screwdriver to raise or lower the input level.

If the signal coming from your pickup is very weak, you may wish to turn the input trim clockwise, which will raise the overall level and reduce system noise (hiss). If you hear distortion when you play (with a new battery), lower the input trim until it goes away.

Volume

For the cleanest signal, set this as high as possible without distorting your amp or mixer.

Optional belt clip

Attaches to the back of the preamp with two screws.

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Tone Controls (G II & B II)

The Tone controls are boost/cut shelving style, which means they affect bass and treble in a way that is both musical and pleasing to your ears. With the sliders at their center detent positions, the EQ is flat and tone controls are out of the circuit. Above center is boost and below is cut.

Bass

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

Treble

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

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Tone Controls (Pro-EQ II)

1. Bass

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

2. Middle

Typically, a slight mid cut just will help bring out roundness in the bass and unmask the treble. A deep midrange cut produces a "scooped out" tone that works well at high volume levels and can help to reduce feedback.

3. Treble

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

4. Brilliance

This slider can add shimmer and sparkle to your sound when boosted. Lowering it can help to reduce finger noise and fret buzz.

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Low battery light (Pro-EQ II only)

This light has two distinct functions:

1. Power up indicator

The low battery LED will flash briefly when the unit turns on.

2. Low battery warning

When the low battery LED lights steadily, it is time to change the battery.

Phase (Pro-EQ II only)

This control works to suppress acoustic feedback and can drastically affect your amplified tone. Flip the Phase switch back and forth until you find a position that sounds good and subdues feedback.

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Specifications

Measured with all tone controls at center detent and volume at max.

Nominal Input Level:	-20dBV
Input Overload (20 Hz to 20 kHz):	+8dBV
Input Impedance:	10MOhm
Output Impedance:	Less than 3.5kOhm
Output Level:	-20dBV with input gain control at minimum position
	-8dBV with input gain control at maximum position
THD:	.01% at 1kHz, -10dBV input, -4dBV output
Signal to Noise Ratio:	91dB (A weighted, -10dBV input, -4dBV output)

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Power Supply (G II & B II):	9V alkaline battery (estimated 1400 hours continuous use) Regulated 9V AC Adapter Tip = negative 9V
Power Supply (Pro-EQ II):	9V alkaline battery (estimated 220 hours continuous use) Regulated 9V AC Adapter Tip = negative 9V

All specifications subject to change without notice.

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