

acoustic

BPDI Bass Preamp + DI User Manual



Thank You for your purchase of the **Acoustic BPDI Bass Preamp and DI** (Direct Input) pedal.

Your **BPDI** is a fully featured bass guitar preamp and direct box derived from Acoustic Bass Amps designed to give you a classic warm, punchy bass tone with a wide range of tonal options. The BPDI features a 4-Band EQ optimized for bass guitar as well as a fully blend-able overdrive circuit to add as much or as little dirt and grit to your sound as you like. Other tone shaping tools include a variable Notch Filter and Shape voicing button in addition to a built in compressor to smooth out note to note dynamics and enhance techniques such as slapping and popping.

The BPDI includes all the connectivity you need to get your sound out into the world, offering balanced XLR output for connection to a Front-Of-House mixer, recording console or interface, PA Speaker or other destination and ¼" Outputs to connect to your existing bass amplifier like you would any effect pedal. For those looking to practice or play silently, the BPDI is a great portable practice rig in a pedal with 1/8" headphone output and 1/8" Aux In connections.

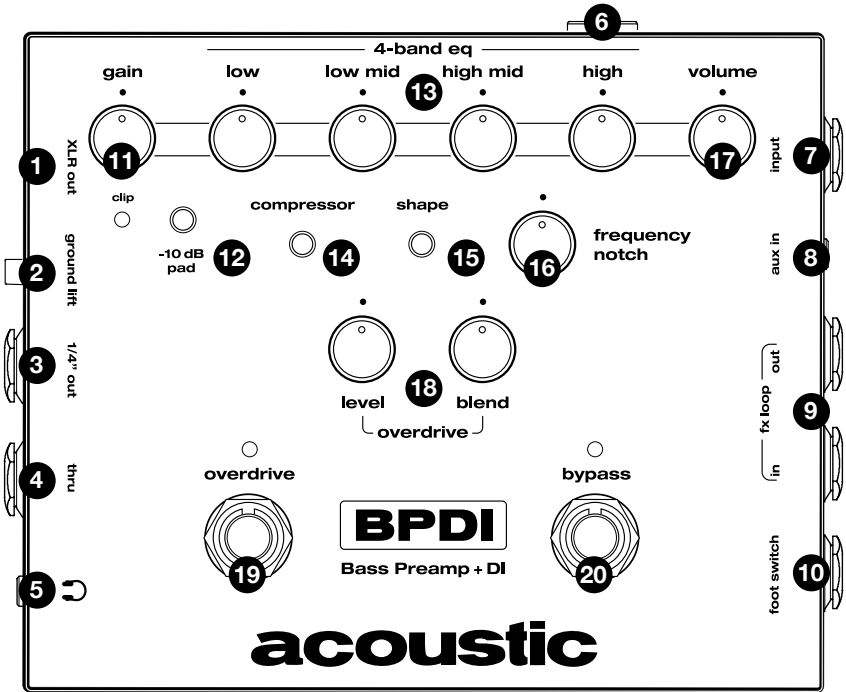
This manual will walk you through the BPDI Features as well as all of its connections and their uses.

Please note, your BPDI can be powered either by 9V Battery or with the included AC Adaptor Power Supply. If connecting to a pedal power supply please use only a 9V Outlet with negative Tip and a minimum of 130mA.

Again, thank you for choosing Acoustic Amplification and we hope you enjoy your BPDI for many years to come!

FEATURES:

- **Classic Acoustic Sound Based on our Bass Amplifiers**
- **Dual Footswitches - Overdrive on/off & Preamp Bypass**
- **Blendable Overdrive Circuit with Independent Operation (Still works when Preamp is bypassed)**
- **4 Band EQ Optimized for Bass Guitar**
- **XLR Balanced Line Out with Ground Lift**
- **1/4" Instrument Input**
- **-10 dB Input Pad for Active Instruments**
- **Clip Indicator LED (Also Shows Compression Activity when Acousti-comp™ Circuit is engaged)**
- **1/4" Output (Carries Effected Signal)**
- **1/4" Pass Thru (Carries Un-effected Signal)**
- **One Button Acousti-comp™ Compression Circuit**
- **Input Gain Control**
- **Master Volume Control**
- **Shape Button for Quick Mid-Range Tonal Adjustments**
- **Frequency Notch Control**
- **FX Loop with 1/4" In and Out**
- **1/4" TS Footswitch Input (Turns on/off FX Loop)**
- **1/8" Aux In**
- **1/8" Headphone Out**
- **Externally Accessible 9V Battery Compartment**
- **9V DC Input (Negative Tip Polarity / 130mA Minimum)**
- **9V External DC Power Supply (Included)**



1. **Direct Output:** XLR direct balanced output connector jack for connection to an external PA, sound board or recording console.
2. **Ground Lift Switch:** Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used.
3. **1/4" Output:** Sends the effected signal from the pedal to a connected amplifier, tuner or other device with a 1/4" input connection.
4. **1/4" Thru:** Sends the unaffected signal from the pedal to a connected amplifier, tuner or other device with a 1/4" input connection.
5. **1/8" Headphone Out:** Allows the user to connect headphones to monitor the effected signal and any other inputted material via the Aux In.
6. **Power:** Provides an input for the included 9V adapter (negative tip polarity, 45mA min.)
7. **1/4" Instrument Input:** For connecting your bass guitar.
8. **1/8" Aux In:** Accepts audio signals from external devices such as phones or computers allowing the user to play along with prerecorded material or input a metronome.
9. **FX Loop In and Out:** Sends signal via the 1/4" Out connection to signal processing devices and returns a processed signal from external effects or signal processing devices via the 1/4" In connection.

10. **Footswitch Jack:** Allows connection of a ¼” terminated single button footswitch (non-included) in order to turn the FX Loop on or off.
11. **Input Gain Control With Clip LED Indicator:** Adjusts the input level signal gain of the BPD1 while the Clip LED Indicator will illuminate when too much gain creates preamp clipping (usually undesirable).
12. **-10dB Input Pad:** Switch reduces input sensitivity for use with active electronics basses or high output pickups.
13. **4 Band EQ:**
 - Low:** This control increases or decreases bass frequencies.
 - Low Mid:** This control increases or decreases low midrange frequencies.
 - High Mid:** This control increases or decreases high midrange frequencies.
 - High:** This control increases or decreases treble frequencies.

Note: At ‘noon’ setting on the knob there is no boost or cut applied to the specific frequency band.
14. **Acusti-comp™ Button:** Activates the built-in compression circuit. When it is activated the Clip LED will now light to indicate when the signal is being compressed and will no longer indicate Input Gain Clipping. If you wish to increase the amount of compression, increase the amount of signal fed into the compressor by turning up the Gain control till you see activity on the Clip LED.
15. **Shape Button:** decreases the level of mid frequencies quickly creating an alternate EQ curve when engaged.
16. **Frequency Notch:** Control adjusts the notch filter center frequency from 50Hz (left) to 1kHz (right) creating an EQ notch cut at the desired setting. Note: The ‘noon’ setting on this knob is the default, but experiment with this powerful tone shaping control to enhance slap or pop techniques and remove sounds like fret noise or roll off the high end for a more vintage tone.
17. **Volume Control:** adjusts the overall volume level of the effected signal output by the BPD1.
18. **Overdrive Controls:** Set the amount of overdrive and the blend of the clean signal with the overdriven signal.
 - Level:** Adjust the amount of overdrive gain being generated by the circuit.
 - Blend:** Controls the mix of the overdriven signal vs clean signal.
19. **Overdrive Footswitch:** Turns the Overdrive circuit on or off. Note: This control will engage the overdrive whether or not the Preamp is in Bypass mode, meaning the BPD1 can be used solely as an overdrive pedal if desired.
20. **Bypass Footswitch:** Disengages the preamp circuit (Gain control, Acusti-comp™, EQ, Shape, Notch Filer and Volume controls are disengaged) leaving the signal going through the BPD1 unaffected. This functionally turns the BPD1 into a regular DI with no tone shaping applied.

SPECIFICATIONS:**BPDI**

Maximum Gain @ 1 kHz Input	55dB @ 1KHz / 25dB Overdrive Gain
Tone Controls	
Low	+/-15dB @ 40Hz
Low Mid	+/-10dB @ 250Hz
High Mid	+/-10dB @ 1.5KHz
High	+/-10dB @ 3KHz
Notch	-8dB from 50Hz – 5KHz
Power Requirements	
Internal	9V Battery
External	9V 130mA minimum
Dimensions	
Size	(H) 2.75" x (W) 6.6"x (D) 5.3"
Weight	2.8 lb

3 Three Year Limited Warranty: Subject to the limitations set forth below, Acoustic hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for three (3) years to the original owner from the date of purchase.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with Acoustic products. This guarantee gives you specific legal rights. You may have other legal rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

FCC Statements

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Note: 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 generate, uses, and can radiate radio frequency energy and , in 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

Acoustic
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