acoustic

APDI

Acoustic Preamp + DI
User Manual

acousticamplification.com

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

Your APDI is a fully featured acoustic instrument preamp and direct box derived from Acoustic's A Series Acoustic Instrument Amps designed to give your acoustic instrument a warm and articulate sound with a wide range of tonal options. The APDI features a 3-Band EQ with a selectable mid-range frequency band optimized for acoustic guitar. Other on-board tools include a Feedback Elimination circuit to help tame unwanted noise and feedback during play and performance and a Mute Footswitch to quickly silence the pedal's output.

The APDI 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" Output to connect to your existing amplifier like you would any effect pedal. For those looking to practice or play silently, the APDI is a great portable practice rig in a pedal with 1/8" headphone output and 1/8" Aux In connections.

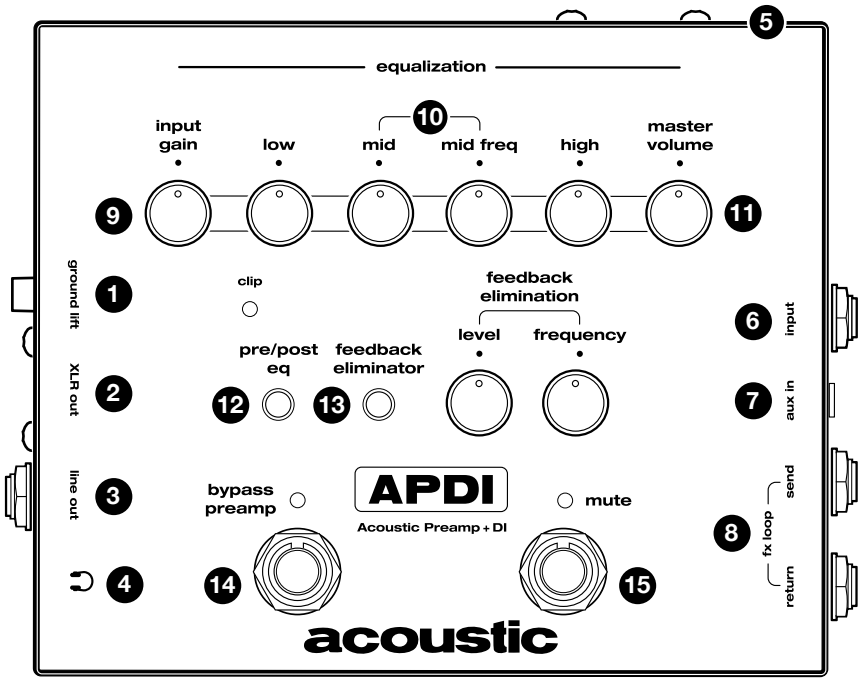
This manual will walk you through the APDI Features as well as all of its connections and their uses.

Please note, your APDI 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 45mA.

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

FEATURES:

- **Classic Acoustic Sound Based on our A Series Acoustic Instrument Amplifiers**
- **Dual Footswitch Controls – Bypass Preamp and Mute**
- **Feedback Elimination Circuit**
- **3 Band EQ Optimized for Acoustic Instruments with Variable Control of the Mid-Frequency Band**
- **XLR Balanced Line Out with Ground Lift**
- **1/4” Instrument Input**
- **Clip Indicator LED**
- **1/4” Line Output**
- **Input Gain Control**
- **Master Volume Control**
- **Pre/Post EQ Switch**
- **FX Loop with 1/4” In and Out (Functions even in Bypass Mode)**
- **1/8” Aux In**
- **1/8” Headphone Out**
- **Externally Accessible 9V Battery Compartment**
- **9V DC Input (Negative Tip Polarity / 45mA Minimum)**
- **9V External DC Power Supply (Included)**



1. **Ground Lift Switch:** Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used.
2. **Direct Output:** XLR direct balanced output connector jack for connection to an external PA, sound board or recording console.
3. **1/4" Line Out:** Sends the effected signal from the pedal to a connected amplifier, tuner or other device with a ¼" connection.
4. **1/8" Headphone Out:** Allows the user to connect headphones to monitor the effected signal and any other input material via the Aux In.
5. **Power:** Provides an input for the included 9V adapter (negative tip polarity, 45mA min.)
6. **1/4" Instrument Input:** For connecting your acoustic guitar or other instrument.
7. **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.
8. **FX Loop Send and Return:** Sends signal via the ¼" Send connection to signal processing devices and returns a processed signal from external effects or signal processing devices via the ¼" Return connection.
9. **Input Gain Control:** Adjusts the input level signal gain of the APDI while the Clip LED Indicator will illuminate when too much gain creates preamp clipping (usually undesirable).

10. **3 Band EQ with Variable Mid-Range Frequency Band:**

    Low: This control increases or decreases bass frequencies by +/- 12 dB.

    Mid: This control increases or decreases the chosen mid-range frequency by +/- 12 dB.

    Mid Frequency: This control allows selection of the mid-range frequency from 500Hz to 1.2 kHz.

    High: This control increases or decreases treble frequencies by +/- 12 dB.

    Note: At 'noon' setting on the knob there is no increase or decrease applied to the specific frequency band.

11. **Master Volume Control:** Adjusts the overall volume level of the effected signal output by the APDI.

12. **Pre/Post EQ:** Button switches the Output via XLR or ¼" Line Out between pre and post EQ operation.

13. **Feedback Elimination Circuit:**

    This circuit allows you to select and eliminate specific frequencies that are causing feedback to occur. Engage this circuit by pressing down the Feedback Eliminator button.

    Level Control Knob adjusts the amount of feedback filtering. Be sure to set this control to "off" if you are not experiencing any feedback issues.

    Frequency Control Knob adjusts the frequency of the feedback filtering.

    To control Feedback, do the following:

    1. Set the Level control to "12 o'clock" setting or higher.
    2. Turn the Frequency knob, moving from left-to-right, to search for the frequency at which the feedback is to be suppressed. You should hear the feedback noise lessen as you find the correct frequency.

    A. If the feedback sound is primarily in the lower bass notes it's likely occurring in the lower frequency range, start at the left or 'zero' position of the Level knob.

    B. Sweep to the right if the feedback sounds higher pitched indicating it's likely in the higher frequency range.

    C. When the feedback is eliminated, reduce the Level control until the feedback returns, then adjust slightly back upward until it is gone.

14. **Bypass Footswitch:** Disengages the preamp circuit (Gain control, EQ, Feedback Elimination and Volume controls are disengaged) leaving the signal unaffected. This functionally turns the APDI into a regular DI with no tone shaping applied. Note that the FX Loop will still function.

15. **Mute Footswitch:** Quickly mutes the audio output of the APDI at both XLR and Line Out connections.

SPECIFICATIONS:

APDI

Maximum Gain @ 1 kHz Input	36 dB
Tone Controls	
Low	+/-12dB @ 100 Hz
Mid	+/-12dB
Mid Frequency Range	500 Hz to 1.2 kHz
High	+/-12dB @ 10kHz
Power Requirements	
Internal	9V Battery
External	DC/9V 45mA minimum
Dimensions	
Size	(H) 2.75” x (W) 6.7” x (D) 5.3”
Weight	2.1 lb

2 Two 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 two (2) 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

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HAVE QUESTIONS?

MISSING OR DAMAGED PARTS?

CALL 855-272-1090 TOLL FREE

HAVE ASSEMBLY QUESTIONS?

OR VISIT OUR WEBSITE AT: ACOUSTICAMPLIFICATION.COM

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