

electro-harmonix

LPB-3 Linear Power Booster

Welcome to the Electro-Harmonix LPB-3, a compact booster pedal capable of delivering up to 33dB of clean gain. Powerful Treble, Mid, and Bass EQ controls allow for wide variation in tone shaping. Additionally, the LPB-3 boasts extended +/-15V power rails and switchable true or buffered bypass modes. Whether your sound needs just a little nudge, a boost to line level for DAW recording, or to send your amplifier into saturated bliss, the LPB-3 has you covered.

Operating Instructions

Insert the output plug from the supplied 9VDC AC Adapter into the power jack at the top of the LPB-3. Connect an instrument cable from your instrument to the Input jack of the LPB-3. Connect an instrument cable between the Output jack and a suitable amplifier or mixer. Press the footswitch to engage the LPB-3 and light the LED.

A good starting point is to set the knobs to their 12 o'clock positions and the MAX and Q toggle switches to their lower positions. Increase the BOOST knob for a good increase in volume compared to bypass mode. Play some of your favorite licks then further tweak the knobs and switches to dial in your perfect setting.

Power Supply Requirements: Voltage: 9VDC Current: 120mA Polarity: Center-Negative
This device comes equipped with an Electro-Harmonix 9.6DC-200 power supply. Use of the wrong adapter or a plug with the wrong polarity may damage the device and void the warranty. Do not exceed 12VDC on the power plug. Power supplies rated for less than 150mA may cause the device to act unreliably.

Controls and Connections

PRE-GAIN Knob Adjusts input gain from 0dB (unity) to 20dB before the signal hits the EQ circuitry. Use PRE-GAIN in conjunction with BOOST and MAX to fine-tune the total volume and gain through the LPB-3. **Pro tip:** If the EQ knobs are set in the boost half of their range, signal clipping can be avoided by decreasing PRE-GAIN. If the EQ settings are set to cut, turn up PRE-GAIN for more volume.

BOOST Knob Sets the output level of the LPB-3, basically working like a volume control.

MAX Switch Boosts the gain at the output stage, and sets the maximum gain of the LPB-3—from Input to Output—to either 33dB or 20dB. Set MAX to 20dB for greater dynamics; set MAX to 33dB to drive the signal harder and potentially send your amp into saturation along with higher BOOST knob settings.

MID LVL Knob Boosts or cuts the MID EQ. Turn the MID LVL knob clockwise from its noon position to boost the MID EQ frequency. Turn MID LVL counterclockwise to cut MID EQ. Set MID LVL to its center position for a flat MID EQ response.

MID FREQ Knob Adjusts the MID EQ center frequency, which is boosted or cut by the MID LVL knob. The frequency range of this knob is 240Hz to 3.3kHz. **Pro tip:** For a brighter sound, try cutting the low MIDs by setting MID FREQ to 10 o'clock and MID LVL to 11 o'clock.

Q Switch Sets the resonance or bandwidth of the MID EQ. Q set to LOW mode yields an EQ that sounds broader or rounder and affects a larger range of frequencies. In HIGH mode, the EQ sounds sharper or peakier, affecting a narrow range of frequencies.

TREBLE Knob Boosts or cuts frequencies above 3.25kHz. Turn the TREBLE knob clockwise from noon to boost the high end. Turn the knob counterclockwise to cut highs. Set TREBLE to its center position for a flat treble response.

BASS Knob Boosts or cuts frequencies below 240Hz. Turn BASS clockwise from the noon position to boost the low end. Turn the knob counterclockwise to cut. Leave BASS in its center position for a flat bass response.

FOOTSWITCH and STATUS LED The footswitch engages or bypasses the effect. The status LED lights when the effect is engaged and is off while in bypass.

BYPASS MODE SLIDE SWITCH Removing the bottom cover allows access to the BYPASS Mode slide switch, located near the footswitch. The left position, TRUE, sets the LPB-3 to True Bypass mode (factory default); the right position, BUFFERED, sets the LPB-3 to Buffered Bypass mode. In True Bypass, the Input jack is directly connected to the Output jack and is not connected to any circuitry. In Buffered Bypass, the input signal goes through a high-quality op-amp buffer, and then is connected to the Output jack.

INPUT Jack Audio input jack. Input impedance 1M Ω ; Max In: +20dBu

OUTPUT Jack Audio output jack. Output impedance 660 Ω ; Max Out: +22dBu

9V Power Jack Insert the output plug of the supplied AC Adapter into the power jack. The LPB-3 requires 120mA at 9VDC on a center-negative plug. Do not exceed 12VDC at the power jack. The LPB-3 does not take batteries.

Notes and Specifications

- Audio input impedance at INPUT jack: 1M Ω
- Audio output impedance at OUTPUT jack: 660 Ω
- Current draw: 120mA at 9VDC
- Power Supply: 9VDC, Center-negative polarity
- Buffered or True Bypass switching available

WARRANTY INFORMATION

Please register online at www.ehx.com/product-registration or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term.

If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at info@ehx.com or +1-718-937-8300. USA and Canadian customers: please obtain a Return Authorization Number (RA#) from EHX Customer Service before returning your product. With your returned unit, include a written description of the problem as well as your name, address, telephone number, e-mail address, RA# and a copy of your receipt clearly showing the purchase date.

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This warranty gives a purchaser specific legal rights. A purchaser may have even greater rights depending upon the laws of the jurisdiction within which the product was purchased.

COMPLIANCE

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 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.



The CE logo indicates that this product has been tested and shown to conform with all applicable European Conformity directives.



The WEEE or "trashcan" logo indicates that this product is made up of electronic components that should not be trashed alongside household waste but instead should be recycled by a proper electrical waste facility.