

Providence®

BRICK DRIVE BDI-1 OWNER'S MANUAL

Thank you for choosing Providence. In order to take full advantage of the product's features and performance, please read this manual thoroughly and keep it in a safe place for future reference.

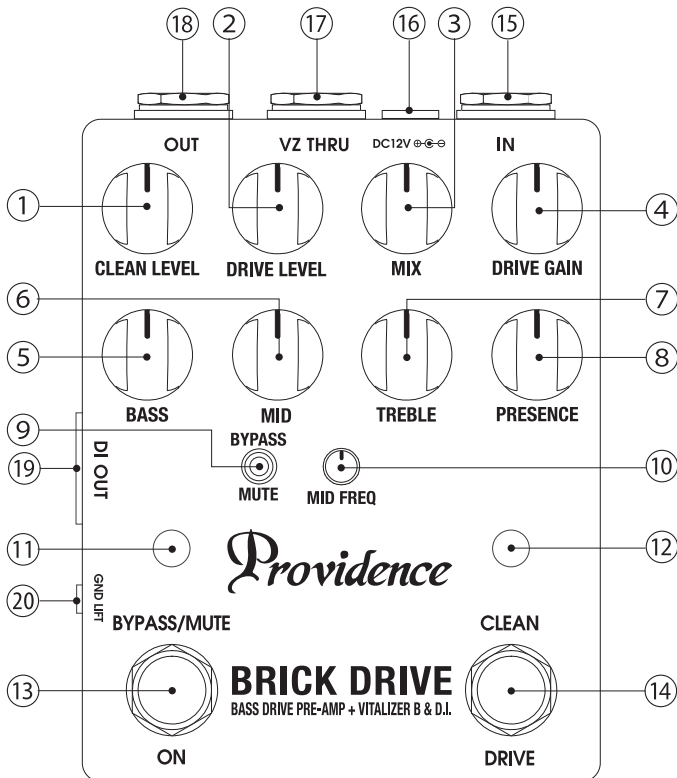
■ Main Features

● The BDI-1 Brick Drive is a bass preamplifier that packs essential features for live performance and recording into a single, compact pedal unit. It also incorporates the Providence Vitalizer B circuit for a consistently high-quality signal that can be shaped as required with the EQ and drive controls.

● Every component in the Brick Drive has been painstakingly selected through extensive testing to ensure studio quality sound and performance from a compact pedal unit. The internal circuitry runs at 21 volts so that the full dynamic potential of the instrument used is delivered without compromise and can be shaped as required to create the perfect bass sound.

● A 4-band EQ section offers broad tonal control for a wide range of musical styles. The MID band features a frequency control for precision tonal adjustment. The PRESENCE control is subtle, but can add just the right degree of "edge" by adjusting response in the upper harmonic range for flawlessly polished bass sound. All EQ frequency points have been selected for optimum effect with bass guitar, with specially designed response curves that offer unparalleled control versatility and smoothness.

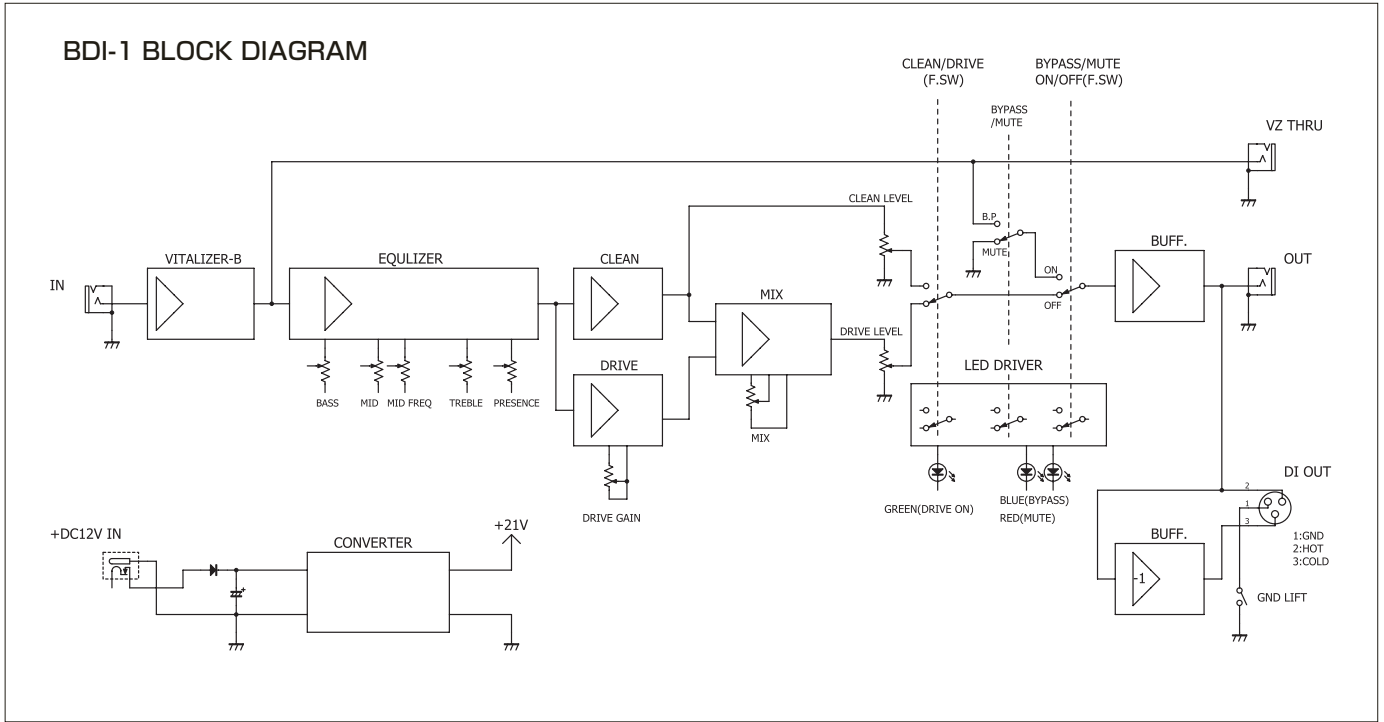
■ Controls and Connectors



- ① **CLEAN LEVEL (CLEAN CHANNEL):**
Adjusts the volume of the clean channel.
- ② **DRIVE LEVEL (DRIVE CHANNEL):**
Adjusts the volume of the drive channel.
- ③ **MIX (DRIVE CHANNEL):**
Adjusts the mix ratio between the drive and clean channels.
- ④ **DRIVE GAIN (DRIVE CHANNEL):**
Adjusts the amount of distortion produced by the drive channel.
- ⑤ **BASS:**
Adjusts the level of the BASS (low frequency) EQ band. The center click stop produces flat low frequency response.
- ⑥ **MID:**
Adjusts the level of the MID (mid frequency) EQ band around the center frequency set via the MID FREQ control ⑩. The center click stop produces flat mid frequency response.
- ⑦ **TREBLE:**
Adjusts the level of the TREBLE (high frequency) EQ band. The center click stop produces flat high frequency response.

- ⑧ **PRESENCE:**
Adjusts the level of the PRESENCE (ultra-high frequency) EQ band, affecting frequencies above the TREBLE band. The center click stop provides flat ultra-high frequency response.
- ⑨ **BYPASS/MUTE:**
Selects the operation mode when the BYPASS/MUTE – ON footswitch ⑬ is OFF. When set to BYPASS the input signal is directly routed to the outputs via the Vitalizer B circuit. When set to MUTE the unit's outputs are muted.
- ⑩ **MID FREQ:**
Adjusts the center frequency of the MID EQ band.
- ⑪ **ON/OFF LED:**
Indicates the currently selected operating mode. The LED lights blue when the unit is ON. The LED lights red when the unit is in MUTE mode. The LED remains off when the unit is in BYPASS mode.
- ⑫ **CLEAN/DRIVE Channel LED:**
This LED indicator lights green when the DRIVE channel is selected via the CLEAN/DRIVE footswitch. The LED remains off when the CLEAN channel is selected.
- ⑬ **BYPASS/MUTE-ON (Footswitch):**
Switches between the preamplifier ON mode and the BYPASS or MUTE mode as specified by the BYPASS/MUTE switch ⑨.
- ⑭ **CLEAN/DRIVE (Footswitch):**
Switches between the CLEAN and DRIVE channels.
- ⑮ **IN:**
This is the preamplifier's input jack. The output from a bass guitar or preceding effect pedal should be connected here.
- ⑯ **DC 12V:**
Connect the DC output cable of the supplied AC adapter here.
- ⑰ **VZ THRU:**
A direct output signal from the Vitalizer B circuit, unaffected by any of the unit's other settings or processing circuitry, is always available at this output jack. The VZ THRU signal can be used as a parallel output for connection to other devices or an external tuner, for example.
- ⑱ **OUT:**
This is the main DBI-1 output, delivering the signal shaped by the unit's processing circuitry and controls. The output signal can be connected to the input of an amplifier or mixer.
- ⑲ **DI OUT:**
This balanced output delivers the same signal as the OUT jack ⑱, but in balanced form for direct compatibility with balanced inputs on professional audio equipment.
- ⑳ **GND LIFT:**
Press this switch in to lift (disconnect) the balanced output ground when necessary to avoid ground loops that cause unwanted hum and noise.

BDI-1 BLOCK DIAGRAM



■ Main Specifications

- Controls: CLEAN LEVEL, DRIVE LEVEL, MIX, DRIVE GAIN, BASS, MID, MID FREQ, TREBLE, PRESENCE, ON/BYPASS-MUTE (Footswitch), CLEAN/DRIVE (Footswitch), BYPASS/MUTE MODE (Toggle Switch), GND LIFT (Push Switch)
- Jacks: Standard 1/4 inch phone jacks (Input/Output/VZ Thru), XLR-3-32 type connector (Balance Out : 1=GND, 2=Hot, 3=Cold), DC12V Input jack (AC adaptor jack)
- Electrical characteristics: Input impedance 1M Ω , BASS 60Hz \pm 14dB peaking, MID 150Hz \sim 400Hz \sim 1kHz \pm 14dB peaking, TREBLE 3kHz \pm 14dB peaking, PRESENCE 7.5kHz \pm 14dB peaking, Output noise level / Out : -95dBu or less (IHF A.W.T.D), VZ THRU : -110dBu or less (IHF A.W.T.D), Harmonic distortion 0.05% or less (Output 0dBu)
- Power consumption: DC12V 70mA max.
- Power supply: Supplied AC adaptor (PAP-712DCJ for North America and Japan, PAP-712DCE for Europe, PAP-712DCU for UK).
- Size: 125(D) x 97(W) x 50(H)mm
- Weight: Approx. 380grams (not incl. AC adaptor)

■ Caution

- When connected to an amp and speaker with the power turned on, do not insert or remove plugs in the input or output jacks. Doing so may cause sufficient noise to damage the speaker.
- If the pedal should fail to work or if it works abnormally, please contact the place of purchase or Pacifix Ltd.
- ※ (Designs and specifications are subject to change without notice.)

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