

# Harley Benton

## Custom Line Bass DI-Expander

### User manual

This manual contains important information on the safe operation of the product. Read and follow the safety advices and instructions given. Retain the manual for future reference. If you pass the product on to others please include this manual.

### Safety instructions

#### Intended use

This product is meant to be used as preamp and DI box for bass guitars. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

#### Danger for children



Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts from the product. They could swallow the pieces and choke!

#### Where to use the product

- Never use the product
- in conditions of extreme temperature or humidity
- in extremely dusty or dirty areas
- at locations where the unit can become wet

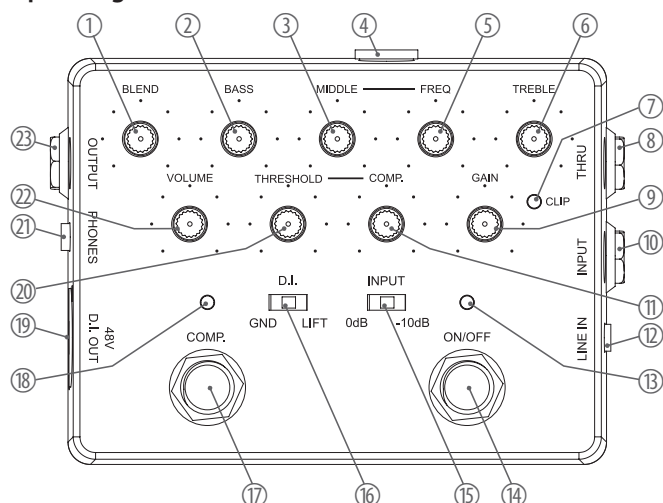
#### General handling

- To prevent damage, never use force when handling the product.
- Never immerse the product in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.

### Features

- Bass preamp / DI pedal
- Compressor with controls for Compression and Threshold
- 3-band EQ with parametric mids
- Ground / Lift switch for DI out
- 10 dB attenuation switchable for input signal
- Instrument input 1/4" jack, Thru output in parallel
- Line input
- 1/4" phone output for amp & headphones output
- XLR DI output (e. g. for connecting directly to the mixing console)
- 9 V battery operation, power adapter optional (item no. 108096, not included) or via 48 V phantom power (through XLR socket)
- Dimensions: 128 × 93 × 56 mm
- Weight: 450 g (without battery)
- Current draw: 40 mA
- Input impedance: 680 kΩ
- Output impedance (DI): 2,2 kΩ
- Output impedance (amp out): 470 Ω

### Operating elements



- |              |  |
|--------------|--|
| 1 BLEND      | to mix dry and EQed signal   |
| 2 BASS       | bass control   |
| 3 MIDDLE     | mid control  |
| 4 9 V        | connector for 9 V power adapter (not included)   |
| 5 FREQ       | controls the mid control center frequency (150 Hz – 8 kHz)   |
| 6 TREBLE     | treble control   |
| 7 CLIP       | LED lights up red on excessive input signal, otherwise green   |
| 8 THRU       | 1/4" output, delivers the looped-thru INPUT signal   |
| 9 GAIN       | controls the input gain  |
| 10 INPUT     | 1/4" instrument input  |
| 11 COMP.     | controls the compression ratio if function enabled   |
| 12 LINE IN   | 3.5 mm mini jack input to connect line level devices   |
| 13 ON/OFF    | LED lights up red when the device is enabled, LED lights up green when the device is disabled (DI and INPUT switch remain enabled) |
| 14 ON/OFF    | enables / disables the device  |
| 15 INPUT     | switchable input signal attenuation by -10 dB  |
| 16 D.I.      | Ground / Lift switch for XLR DI out, <i>must</i> be in GND position when device is operated via phantom power                      |
| 17 COMP.     | enables / disables the compressor function   |
| 18 COMP.     | LED lights up red on activated compressor function, otherwise green  |
| 19 D.I. OUT  | XLR signal output for direkt input into the mixing console, can be used to run the device on phantom power                         |
| 20 THRESHOLD | sets the level at which the compressor processes the signal  |
| 21 PHONES    | 3.5 mm mini jack headphones output   |
| 22 VOLUME    | sets the volume of all outputs, except THRU  |
| 23 OUTPUT    | 1/4" output to connect an amplifier  |

### Using the product

- Insert a 9 V battery into the device or connect a suitable power adapter that provides 9 V (not supplied) to the 9 V connector (negative pole = internal connector). When the DI output is used with a device that provides phantom power, the supply voltage can also be provided via the phantom power supply. Then the D.I. switch *must* be in the GND position. Turn on the unit with the ON / OFF switch, the ON / OFF LED will turn red.
- Connect an electric bass to the INPUT jack using a shielded 1/4" jack cable. Watch the CLIP LED while playing. If it often turns red, turn the GAIN control counter-clockwise. If the LED is still red, the instrument's output level is too high. Then set the INPUT switch to the -10 dB position.
- Connect an amplifier to the OUTPUT socket. You can connect headphones to the PHONES socket. The DI signal for feeding into a mixing console is present at the 48 V D.I. OUT output. To feed the dry input signal to other devices, connect them to the THRU socket.
- Use the EQ to adjust your desired sound. The FREQ control allows you to adjust the centre frequency of the mid control between 150 Hz and 8 kHz. The BLEND control adjusts the ratio between the dry signal (left stop) and the EQ-processed signal (right stop).
- To activate the compressor function, press the COMP. switch, the COMP. LED will turn red. Use the COMP. control to set the compression ratio. The THRESHOLD control determines the level above which the signal will be processed by the compressor.



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.



Remove lithium batteries before disposing of the device. Protect used lithium batteries against potential short circuits, e.g. by covering the poles with adhesive tape. Lithium batteries must not be thrown away with the normal house-

hold waste or burned, but must be disposed of in accordance with local regulations on the disposal of hazardous waste. Use the existing collection points.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.