



*Harley Benton*

BDI-2000  
active DI box

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# 1 General notes


This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

## Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
<b>DANGER!</b>	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
<b>NOTICE!</b>	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	<p>Warning – danger zone.</p>

## 2 Safety instructions

### **Intended use**

This device is intended to be used for sound processing, impedance conversion and balancing of signals from musical instruments with electromagnetic pickups. Use the device only as described in this user manual. 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.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

## Safety



### **DANGER!**

#### **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 (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.



### **NOTICE!**

#### **Operating conditions**

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

**NOTICE!****Risk of fire due to incorrect polarity**

Incorrectly inserted batteries may destroy the device or the batteries.

Ensure that proper polarity is observed when inserting batteries.

**NOTICE!****Possible damage by leaking batteries**

Leaking batteries can cause permanent damage to the device.

Take batteries out of the device if it is not going to be used for a longer period.



### 3 Features

- Floor effects pedal and active DI box for impedance matching and balancing, designed for bass guitar
- Numerous setting options
- 1/4" and XLR outputs
- Voltage supply by 9 V battery or external power supply (not supplied)
- Robust metal housing

## 4 Instructions for use

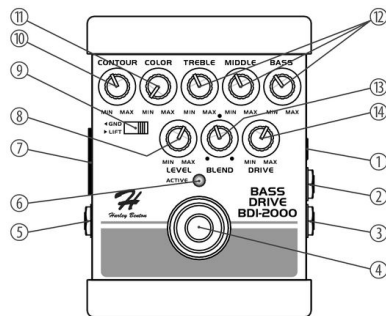
Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Handle the device with care.

Do not try to disassemble or repair the device yourself in the unlikely event that it does not work.

Do not use solvents such as alcohol to clean the device.

## 5 Components and functions



- 1 Connector for external power supply, e.g. a 9 V AC/DC adapter. If this connection is used, the battery is automatically disconnected from the circuitry.
- 2 **BASS INPUT**  
1/4" phone socket for a standard instrument cable.
- 3 **PARALLEL OUT**  
Output socket. Use a standard instrument cable to feed the unprocessed signal to a monitor.
- 4 The foot switch toggles the effect on / off.
- 5 **OUTPUT**  
Output socket. Use a standard instrument cable to connect this outlet to another effects pedal or directly to an amplifier.
- 6 **ACTIVE**  
This LED lights up when the effects pedal is active. If the LED is not lit or just glowing low during operation you have to replace the battery.

7	<b>XLR OUT</b> XLR mounting plug output. Use an XLR cable to connect this output to an amplifier, recording device or mixing console.
8	<b>LEVEL</b> Adjusts the effect level.
9	<b>GND LIFT</b> Ground potential switch. To eliminate hum noise caused by ground loops, use this switch to disconnect the input signal ground potential from the ground potential of the XLR output.
10	<b>CONTOUR</b> Boosts treble and bass while lowering mids.
11	<b>COLOR</b> Low-pass control to cut the high frequencies.
12	<b>TREBLE, MIDDLE, BASS</b> Tone controls for high, mid and low frequencies.

13	<b>BLEND</b> Use this control to adjust the effect level of the output signal.
14	<b>DRIVE</b> Gain control to adjust the distortion.

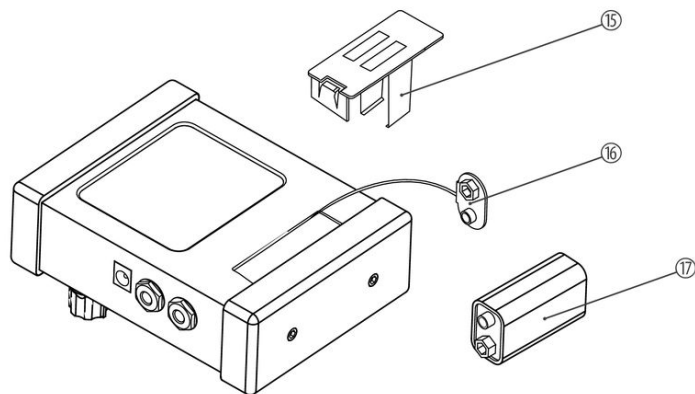
Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

## Power supply

You can either use a 9 V battery or the DC 9 V connection for an external power supply. Before connecting, check for correct polarity.

When you do not use the pedal unplug the instrument cable from the input jack. Otherwise, the battery will be discharged.

### Changing the battery



- |    |                                |
|----|--------------------------------|
| 15 | Battery holder                 |
| 16 | Battery clip for a 9 V battery |
| 17 | 9 V battery                    |

For installing or replacing the battery please proceed as follows:

- 1.** ➤ Pull the flap of the battery holder (15) backwards and take out the battery holder.
- 2.** ➤ Take the 9 V battery out of the battery holder (15) and pull off the battery clip (16) from the depleted battery.
- 3.** ➤ Attach the battery clip (16) to the new battery (respecting the pole marking) and put it into the battery holder (15). Make sure that the battery cable is not trapped.
- 4.** ➤ Insert the battery holder (15) into the unit and carefully press it down until it clicks into place.

## 6 Technical specifications

Input impedance	470 k $\Omega$
Input sensitivity	–30 dBu
Output impedance	1 k $\Omega$
Recommended load impedance	$\geq 10$ k $\Omega$
Internal noise	–90 dB (IHF-A, typical)
Current draw	23 mA
Operating voltage supply	9 V battery (6F22) or external 9 V power adapter (not supplied)
Dimensions (W $\times$ H $\times$ D)	72 mm $\times$ 128 mm $\times$ 60 mm
Weight	600 g



## 7 Protecting the environment

### Disposal of the packaging material



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 fed to a recovery. Please follow the notes and markings on the packaging.

### Disposal of batteries



Batteries must not be disposed of as domestic waste or thrown into fire. Dispose of the batteries according to national or local regulations regarding hazardous waste. To protect the environment, dispose of empty batteries at your retail store or at appropriate collection sites.

### Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.



