



*Harley Benton*

Crunch Distortion  
effects pedal

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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
	Warning – danger zone.

## 2 Safety instructions

### **Intended use**

This device is intended to be used for sound processing of signals from musical instruments with electromagnetic pickups. 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 Instructions for use

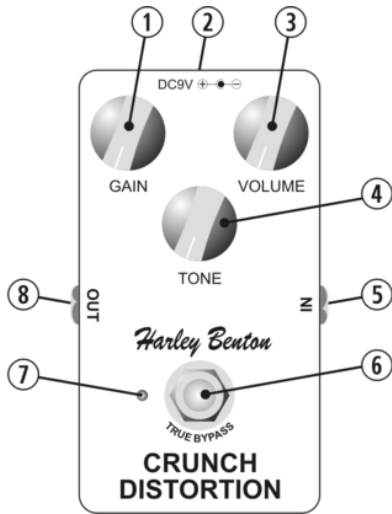
Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or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

## 4 Components and functions



1 **GAIN**

Turn the gain control clockwise to increase the distortion level of your sound.

2 **DC 9V**

Connection for power supply via an external DC 9V adaptor. When using external power supply, the battery supply is automatically disconnected.

3 **VOLUME**

Volume control. Turn this knob clockwise to increase the output level.

4 **TONE**

Tone control.

5 **IN**

Input socket for a 1/4" standard instrument cable.

6 **TRUE BYPASS**

Foot switch to activate / deactivate the pedal function.

7	This LED lights up when the pedal is in operation. If the LED is not or only slightly lit when the pedal is in operation, the battery is depleted and must be replaced.
8	<p><b>OUT</b></p> <p>Signal outlet. Use a 1/4" standard instrument cable to connect another effects pedal or amplifier to this socket.</p>

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**

To insert or change the battery, disconnect a possibly used power adapter from the mains socket. Turn the pedal over, press lightly on the battery compartment cover and slide it downwards in the direction of the arrow. Remove the back cover. Insert/replace the 9 V DC battery paying attention to the polarity markings and place the cover again into its original position until it locks.

## 5 Technical specifications

Input impedance	500 k $\Omega$
Output impedance	10 k $\Omega$
Current draw	8 mA
Operating voltage supply	9 V battery (6F22) 9 V power adaptor, inner contact = negative pole 48 V phantom power
Dimensions (L $\times$ W $\times$ H)	120 mm $\times$ 72 mm $\times$ 55 mm
Weight	290 g

## 6 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 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.





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