

User Manual

*Harley Benton*

Digital Delay

Effects pedal

Thomann GmbH  
Hans-Thomann-Straße 1  
96138 Burgebrach  
Germany  
Telephone: +49 (0) 9546 9223-0  
Internet: [www.thomann.de](http://www.thomann.de)

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## Table of contents

<b>1</b>	<b>General information</b> .....	<b>5</b>
	1.1 Further information.....	6
	1.2 Notational conventions.....	6
	1.3 Symbols and signal words.....	7
<b>2</b>	<b>Safety instructions</b> .....	<b>8</b>
<b>3</b>	<b>Features</b> .....	<b>10</b>
<b>4</b>	<b>Installation and starting up</b> .....	<b>11</b>
<b>5</b>	<b>Connections and operating elements</b> .....	<b>13</b>
<b>6</b>	<b>Technical specifications</b> .....	<b>14</b>
<b>7</b>	<b>Protecting the environment</b> .....	<b>16</b>



# 1 General information

This user manual contains important information on the 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 another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under [www.thomann.de](http://www.thomann.de).

### 1.1 Further information

On our website ([www.thomann.de](http://www.thomann.de)) you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

### 1.2 Notational conventions

This manual uses the following notational conventions:


## Letterings

The letterings for connectors and controls are marked by square brackets and italics.

**Examples:** *[VOLUME]* control, *[Mono]* button.

## 1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this 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. Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures). Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.





**NOTICE!**

**External power supply**



The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user. Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.



**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

- Effects pedal for electric guitars
- Delay
- Delay Time, Repeat and Level controls
- Power supply via 9-V block battery or power adapter (both not included)

## 4 Installation and starting up

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

Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.

Handle the device with care.

Do not try to disassemble or repair the device yourself if it should not work.

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

### 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 block battery paying attention to the polarity markings and place the cover again into its original position until it locks.



#### **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.



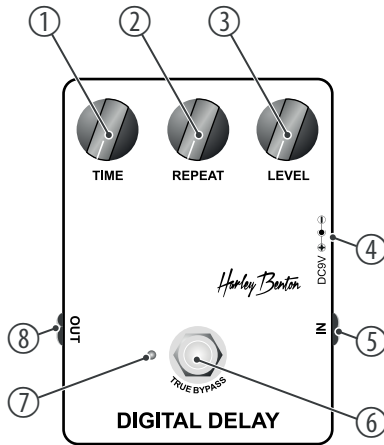
#### **NOTICE!**

##### **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.

## 5 Connections and operating elements



- 1 *[TIME]* | turn this control to set the delay time of the effect.
- 2 *[REPEAT]* | turn this control to set the number of echos.
- 3 *[LEVEL]* | turn this control to set the mixing ratio of the delay signal and the original signal.
- 4 *[DC 9V]* | connection for the external power supply with 9 V DC. When an external power supply is used, the battery supply is cut off automatically.
- 5 *[IN]* | 1/4" jack socket to connect instruments
- 6 *[TRUE BYPASS]* | foot switch for enabling or disabling the pedal function
- 7 This LED lights when the effects pedal is used. When the LED is off or dim while the effects pedal is used, the battery is exhausted and must be replaced.
- 8 *[OUT]* | 1/4" jack socket to connect an amplifier

## 6 Technical specifications

Input connections	Power supply	Socket for power adapter
	Instrument	1/4" jack socket
Input impedance		500 kΩ
Output connections	Amp	1/4" jack socket
Output impedance		10 kΩ
Delay time		25 ms to 600 ms
Current consumption		40 mA
Power supply		External power adapter, 100 - 240 V ~ 50/60 Hz
Power adapter	Secondary current	200 mA
	Secondary voltage	9 V ---
	Polarity	Centre negative
Battery		9-V block battery
Degree of protection		IP20
Dimensions (W × H × D)		97 mm × 55 mm × 120 mm
Weight		390 g

Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20 %...80 % (non-condensing)

### Further information

Analog	no
Tap function	no
includes power supply	no, optionally available (item no. 409939)
includes battery	no, optionally available (item no. 417473)

## 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 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) in its currently valid version. 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.





