



Harley Benton

HB-15GXD JamBox
guitar combo

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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.

1.1 Further information

On our website (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.

Instructions


The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.



Example:

1. ▶ Switch on the device.
2. ▶ Press *[Auto]*.
 - ⇒ Automatic operation is started.
3. ▶ Switch off the device.

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
DANGER!	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.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	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 – high-voltage.

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

2 Safety instructions

Intended use

This device is intended to be used for amplification and playback 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.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

Do not use the device if covers, protectors or optical components are missing or damaged.



DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



CAUTION!

Possible hearing damage

The device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage.

Decrease the volume level immediately if you experience ringing in your ears or hearing impairment. If this is not possible, keep a greater distance or use sufficient ear protectors.



WARNING!

Risk of burns

The surface of the device can become very hot during operation.

Do not touch the device with bare hands during operation, and after switching off wait for at least 15 minutes.



NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.

**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!

Power supply

Before connecting the device, 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 injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

Special features of the device

- 15 watt digital electric guitar combo
- 5" speaker
- 8 amp modellings: Roland Jazz Chorus, Wave X Clean, Ibanez TS9, Boss SD1, Crunch Box, Wave X Power Drive, Wave X Power Drive Rhythm, Boss MT2
- 6 digital effects (Delay, Reverb, Chorus, Flanger, Phaser, Tremolo)
- Built-in drum machine (36 rhythm patterns with tempo)
- Aux input
- Headphones output
- Guitar input

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.



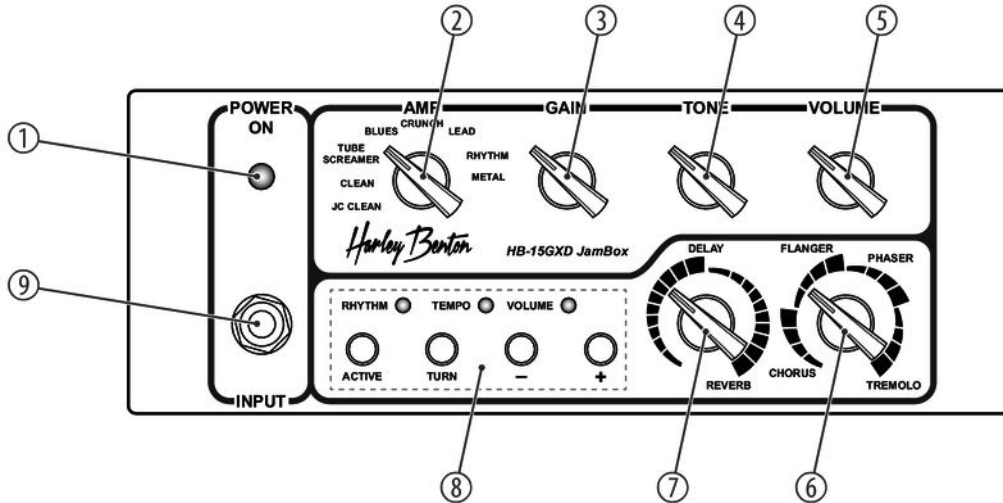
NOTICE!

Possible property damage by magnetic fields

Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.

5 Connections and controls

Front panel



1	<i>[POWER ON]</i> LED lights up when the unit is operational.
2	<i>[AMP]</i> Control to adjust the amplifier sound.
3	<i>[GAIN]</i> Control to adjust the signals preamp gain.
4	<i>[TONE]</i> Control to adjust the brightness of the amplifier sound.
5	<i>[VOLUME]</i> Volume control.
6	Control to adjust the intensity of the reverb and delay effects.
7	Control to adjust the intensity of the chorus, flanger, phaser, and tremolo effects.
8	Built-in drum machine

[RHYTHM]

LED lights up when the drum machine is active.

[TEMPO]

LED lights up while the rhythm style tempo is being set.

[VOLUME]

LED lights up while the rhythm style volume is being set.

[ACTIVE]

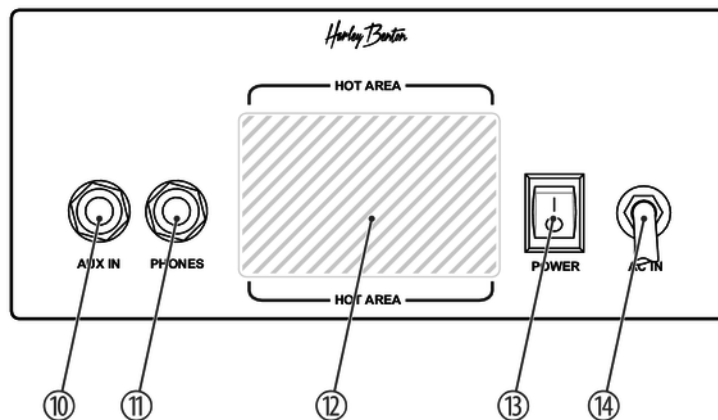
Button to activate the drum machine.

[TURN]

Button for activating the rhythm style, speed and volume setting.

	<i>[-]/[+]</i> Increases or decreases the value of rhythm style, speed, and volume.
9	<i>[INPUT]</i> Guitar input, designed as 1/4" jack socket

Rear panel



10	<i>[AUX IN]</i> Aux input for connecting an MP3 or CD player, designed as 1/4" jack socket
11	<i>[PHONES]</i> Headphones output, designed as 1/4" jack socket When you connect headphones, the internal speaker is automatically muted.
12	<i>[HOT AREA]</i> Hot surface. To avoid burns, do not touch this area.
13	<i>[POWER]</i> Mains switch. Turns the device on and off.
14	<i>[AC IN]</i> Power cord

6 Operating

6.1 Selecting amp sound

- ➔ Turn the control *[AMP]* and select one of the eight amp sounds.
The following table shows the preset amps sounds.

Set sound	Comparable sound	Set sound	Comparable sound
JC CLEAN	Roland Jazz Chorus	CRUNCH	Crunch Box
CLEAN	Wave X Clean	LEAD	Wave X Power Drive
TUBE SCREAMER	Ibanez TS9	RHYTHM	Wave X Power Drive Rhythm
BLUES	Boss SD1	METAL	Boss MT2

6.2 Drum machine

6.2.1 Turning on drum machine

1. ▶ Press *[ACTIVE]* to turn on the drum machine. The LED *[RHYTHM]* is lit.
2. ▶ To turn off the drum machine, press again *[ACTIVE]*. The LED *[RHYTHM]* turns off.

6.2.2 Selecting rhythm style

1. ▶ To select one of the 36 rhythm styles, press *[TURN]* while the drum machine is active. The LEDs *[RHYTHM]*, *[TEMPO]* and *[VOLUME]* light up alternately.
2. ▶ If the *[RHYTHM]* LED lights up only, use *[-]* or *[+]* to select the desired rhythm style.

3. ▶ When the desired rhythm style is selected, release [-] or [+].

The following table shows the preset rhythm styles.

Number	Sound	Number	Sound	Number	Sound	Number	Sound
1	beat_8_1	10	beat_Metal_1	19	beat_Pop_1	28	beat_5per4_1
2	beat_8_2	11	beat_Metal_2	20	beat_Pop_2	29	beat_5per4_2
3	beat_8_3	12	beat_Thrash	21	beat_Pop_3	30	beat_Latin
4	beat_8_shuffle	13	beat_Punk	22	beat_Dance_1	31	beat_Ballad_1
5	beat_16_1	14	beat_DnB	23	beat_Dance_2	32	beat_Ballad_2
6	beat_16_2	15	beat_Funk_1	24	beat_Dance_3	33	beat_Blues_1
7	beat_16_shuffle	16	beat_Funk_2	25	beat_Dance_4	34	beat_Blues_2

Number	Sound	Number	Sound	Number	Sound	Number	Sound
8	beat_Rock	17	beat_Hiphop	26	beat_3per4	35	beat_Jazz_1
9	beat_Hard	18	beat_RnR	27	beat_6per8	36	beat_Jazz_2

6.2.3 Selecting the rhythm style speed

1. ▶ To select the speed of the selected rhythm style, press *[TURN]* while the drum machine is active. The LEDs *[RHYTHM]*, *[TEMPO]* and *[VOLUME]* light up alternately.
2. ▶ If the *[VOLUME]* LED lights up only, press and hold *[-]* or *[+]* to set the speed between the values 30 and 240.
3. ▶ When the desired speed is reached, release *[-]* or *[+]*.

6.2.4 Selecting the rhythm style volume

1. ▶ To select the volume of the selected rhythm style, press *[TURN]* while the drum machine is active. The LEDs *[RHYTHM]*, *[TEMPO]* and *[VOLUME]* light up alternately.
2. ▶ If the *[TEMPO]* LED lights up only, press and hold *[-]* or *[+]* to set the volume.
3. ▶ When the desired volume is reached, release *[-]* or *[+]*.

7 Technical specifications

Speaker	1 × 5" speaker	
Input connections	Instruments	1 × 1/4" phone socket
	AUX	1 × 1/4" phone socket
Output connections	Headphones	1 × 1/4" phone socket
Input impedance	1 MΩ	
Output power	10 W (RMS)	
Power consumption	15 W	
Operating supply voltage	220 V ~ 50 Hz	
Dimensions (W × H × D)	235 mm × 255 mm × 197 mm	
Weight	4.7 kg	

Technical specifications

Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

Further information

Reverb	Yes
Effects processor	Yes
External effects loop	No
Line input	Yes
Recording output	No
MIDI port	No
External speaker connector	No
Headphone connection	Yes
Foot switch connector	No
Incl. foot switch	No

8 Plug and connection assignment

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

Balanced and unbalanced transmission

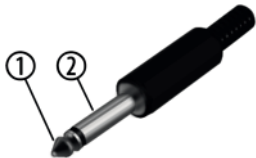
Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

Unbalanced transmission is susceptible to electromagnetic interference, especially at low levels, such as microphone signals and when using long cables.

In a professional environment, therefore, the balanced transmission is preferred, because this enables an undisturbed transmission of signals over long distances. In addition to the conductors 'Ground' and 'Signal', in a balanced transmission a second core is added. This also transfers the signal, but phase-shifted by 180°.

Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.

1/4" TS phone plug (mono, unbalanced)



1	Signal
2	Ground, shielding

1/4" TRS phone plug (mono, balanced)



1	Signal (in phase, +)
2	Signal (out of phase, -)
3	Ground

9 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 collected for recycling. Please follow the notes and markings on the packaging.

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 of 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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