



Harley Benton

SolidBass 115T
SolidBass 210T
SolidBass 410T
SolidBass 810

bass box

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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.

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.
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 – danger zone.

2 Safety instructions

Intended use

This device is intended to be used in a sound reinforcement system. 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.



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.



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.



CAUTION!

Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.



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.

3 Features

Special features of the device:

- Power rating:
 - SolidBass 115T, item no. 477619, 250 watt (8 Ω)
 - SolidBass 210T, item no. 477625, 250 watt (8 Ω)
 - SolidBass 410T, item no. 477626, 450 watt (8 Ω)
 - SolidBass 810, item no. 477627, 900 watt (4 Ω)
- Speakers:
 - SolidBass 115T, item no. 477619, 1 \times 15-inch woofer, 1 \times 3-inch switchable tweeter
 - SolidBass 210T, item no. 477625, 2 \times 10-inch woofer, 1 \times 3-inch switchable tweeter
 - SolidBass 410T, item no. 477626, 4 \times 10-inch woofer, 1 \times 3-inch switchable tweeter
 - SolidBass 810, item no. 477627, 8 \times 10-inch woofer
- Inputs: 1 \times lockable Speaker Twist socket, 1 \times 1/4" phone jack socket
- Poplar plywood housing with Bronco style tolex & British style front fabric

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.



CAUTION!

Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.



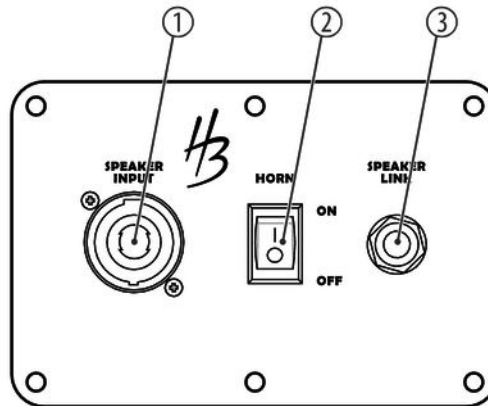
NOTICE!

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

Rear panel



1	[SPEAKER INPUT]	1 × lockable Speaker Twist input socket	
2	[HORN] (not for item no. 477627)	Rocker switch for the horn	
		[ON]	turned on
		[OFF]	turned off
3	[SPEAKER LINK]	1 × 1/4" phone socket	

6 Technical specifications

	SolidBass 115T Item no. 477619	SolidBass 210T Item no. 477625	SolidBass 410T Item no. 477626	SolidBass 810 Item no. 477627
Speaker	1 × 15-inch woofer 1 × controllable 3-inch tweeter switchable horn	2 × 10-inch woofer 1 × controllable 3-inch tweeter switchable horn	4 × 10-inch woofer 1 × controllable 3-inch tweeter switchable horn	8 × 10-inch woofer
Input connections	1 × Speaker Twist	1 × Speaker Twist	1 × Speaker Twist	1 × Speaker Twist
	1 × 1/4" phone socket	1 × 1/4" phone socket	1 × 1/4" phone socket	1 × 1/4" phone socket
Frequency range	60 kHz ... 20 kHz	60 kHz ... 20 kHz	60 kHz ... 20 kHz	60 kHz ... 20 kHz
Power handling	250 W (RMS)	250 W (RMS)	450 W (RMS)	900 W (RMS)
Rated impedance	8 Ω	8 Ω	8 Ω	4 Ω

	SolidBass 115T Item no. 477619	SolidBass 210T Item no. 477625	SolidBass 410T Item no. 477626	SolidBass 810 Item no. 477627
Dimensions (W × H × D)	600 mm × 380 mm × 480 mm	600 mm × 380 mm × 480 mm	600 mm × 380 mm × 635 mm	600 mm × 420 mm × 1150 mm
Weight	15.3 kg	16.3 kg	23.2 kg	47.9 kg

Further information

	SolidBass 115T Item no. 477619	SolidBass 210T Item no. 477625	SolidBass 410T Item no. 477626	SolidBass 810 Item no. 477627
HF horn	Yes	Yes	Yes	No

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7 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

Speaker Twist chassis connector



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

8 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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