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StreetBox-60
mobile PA system

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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.

Displays

Texts and values displayed on the device are marked by quotation marks and italics.

Examples: *'24ch'*, *'OFF'*.

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 – high-voltage.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is designed for sound reinforcement. 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.



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.



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.



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.



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.



NOTICE!

Possible damage due to incorrect storage

Deep discharge can cause batteries to become permanently damaged or lose some of their capacity.

Before prolonged rest periods, charge the batteries to around 50 % of their capacity and then switch the equipment off. Store the equipment at a temperature between 10 °C and 32 °C in as dry an environment as possible. During extended storage periods, charge the batteries to 50 % approximately every three months.

3 Features

Compact portable battery-powered amplifier with great features for playing and singing along with streamed music via the built-in Bluetooth function; ideal for electric guitar, acoustic guitar, ukulele, vocals and music.

Special features of the device:

- Built-in Bluetooth function
- 60 watt RMS
- 2 × 5.5 inch full-range speaker
- Connections:
 - Microphone input, designed as XLR / 1/4" jack combo socket
 - Instrument / microphone input, designed as 1/4" jack socket
 - Instrument input, designed as 1/4" jack socket
 - Amp in and output, designed as 3.5 mm jack socket
- Guitar / Microphone, Bass, Mid, Treble, Reverb and Master Volume controls
- Built-in compressor to protect speakers and prevent distortion
- Plug-in power supply and gigbag 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.



NOTICE!

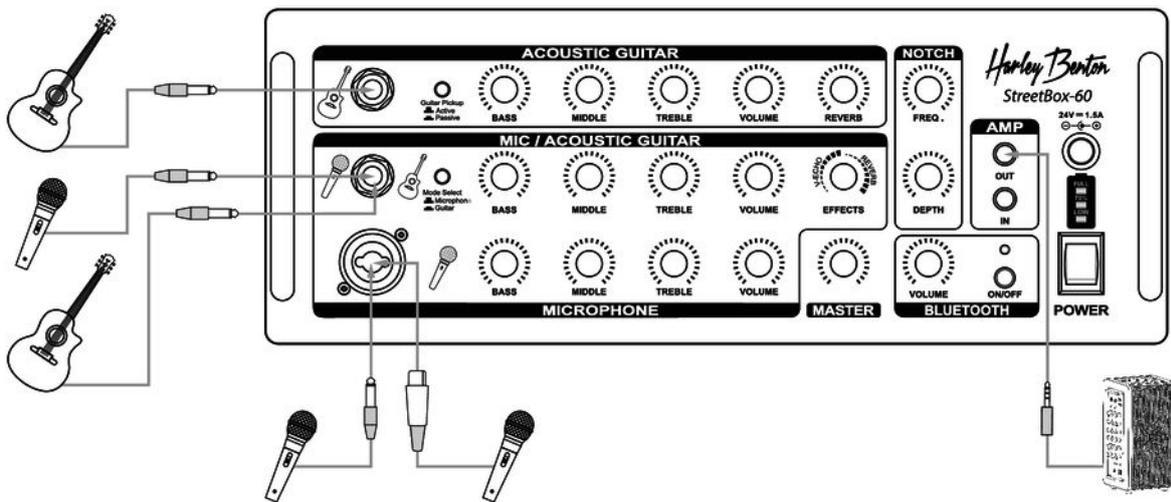
Possible property damage by magnetic fields

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.

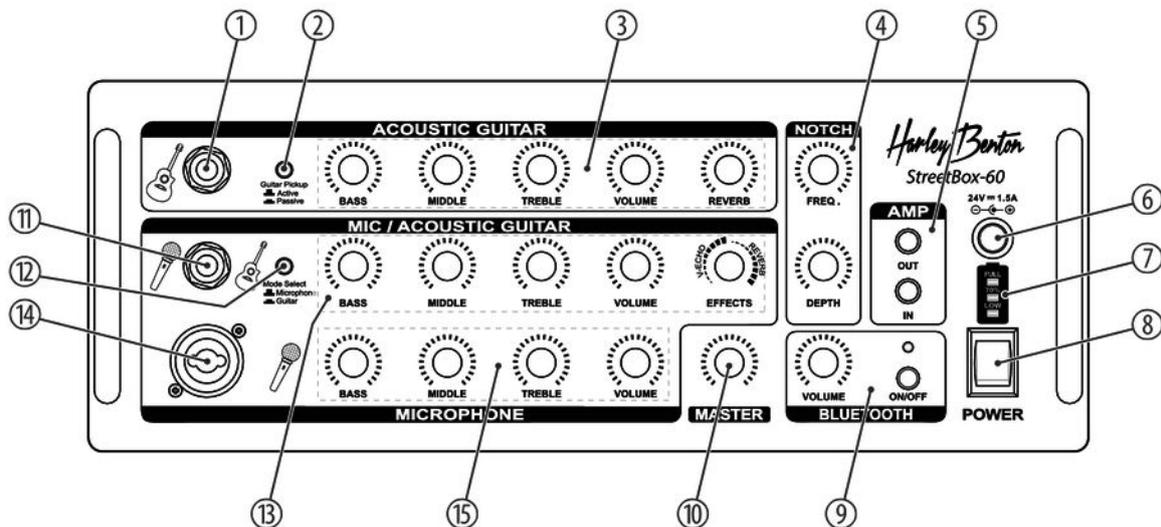
4.1 Battery operation

You can also operate the device independently of the mains power supply via the built-in rechargeable lithium battery (lithium-ion accumulator 18.5 V, 2.2 Ah).

4.2 Connection options



5 Connections and controls



StreetBox-60

1	Instrument input, designed as 1/4" jack socket (mono)
2	<p><i>[Guitar Pickup]</i></p> <p>Switch for the sensitivity of the instrument input.</p> <p>Pressed: Passive pickup</p> <p>Not pressed: Active pickup</p>
3	<p><i>[ACOUSTIC GUITAR]</i></p> <p>Tone controls for the instrument input</p> <ul style="list-style-type: none">■ <i>[BASS]</i>: Bass control■ <i>[MIDDLE]</i>: Mids control■ <i>[TREBLE]</i>: Treble control■ <i>[VOLUME]</i>: Volume control■ <i>[REVERB]</i>: Control for reverb effect intensity
4	<p><i>[NOTCH]</i></p> <p>Control for setting the anti-feedback filter</p> <ul style="list-style-type: none">■ <i>[FREQ.]</i>: Filter centre frequency■ <i>[DEPTH]</i>: Filter quality

5	<p><i>[AMP]</i></p> <p>Connections for another device of the same type. When two devices are connected together, the second device will automatically adjust the volume, tone, and effects of the first device.</p> <ul style="list-style-type: none">■ <i>[IN]</i>: Input, designed as 3.5 mm jack socket (stereo)■ <i>[OUT]</i>: Output, designed as 3.5 mm jack socket (stereo)
6	Connector for the supplied plug-in power supply.
7	State of charge indicators. All three LEDs light up when batteries are fully charged. With decreasing capacity, the LEDs <i>[FULL]</i> , <i>[70%]</i> and <i>[LOW]</i> go out one after the other. If only the <i>[LOW]</i> LED lights, the battery has a low residual capacity. Then connect the device to the mains power to charge the battery.
8	<p><i>[POWER]</i></p> <p>Main switch, turns the device on and off.</p>

9	<p><i>[BLUETOOTH]</i></p> <ul style="list-style-type: none">■ <i>[VOLUME]</i>: Volume control■ <i>[ON/OFF]</i>: Bluetooth connection control. <p>To make a Bluetooth connection, press and hold <i>[ON/OFF]</i> for 2 seconds to search for Bluetooth enabled pairing devices. The LED flashes blue. The Bluetooth list of the device to be paired displays 'AG-60A'. Accept the connection. For IOS devices the code 0000 must be entered. A short beep sounds when the connection is successfully established. The LED lights up solid blue.</p>
10	<p><i>[MASTER]</i></p> <p>Overall volume control</p>
11	<p>Instrument / microphone input, designed as 1/4" jack socket (mono)</p>
12	<p><i>[Mode Select]</i></p> <p>Switch for the sensitivity of the instrument /microphone input.</p> <p>Pressed: Instrument</p> <p>Not pressed: Microphone</p>

13	<p><i>[MIC / ACOUSTIC GUITAR]</i></p> <p>Tone controls for the instrument / microphone input</p> <ul style="list-style-type: none">■ <i>[BASS]</i>: Bass control■ <i>[MIDDLE]</i>: Mids control■ <i>[TREBLE]</i>: Treble control■ <i>[VOLUME]</i>: Volume control■ <i>[REVERB]</i>: Control for echo and reverb effect intensity
14	Microphone input, designed as XLR / 1/4" jack combo socket
15	<p><i>[MICROPHONE]</i></p> <p>Tone controls for the microphone input</p> <ul style="list-style-type: none">■ <i>[BASS]</i>: Bass control■ <i>[MIDDLE]</i>: Mids control■ <i>[TREBLE]</i>: Treble control■ <i>[VOLUME]</i>: Volume control

6 Technical specifications

Speaker	2 × 5.5 inch full-range speaker	
Input connections	Voltage supply	Plug-in power supply
	Audio signal	2 × 1/4" jack socket, mono
		1 × XLR / 1/4" jack combo socket, mono
Pairing with second unit	1 × 3.5mm jack socket, stereo	
Output connections	Pairing with second unit	1 × 3.5mm jack socket, stereo
Output power	60 W (RMS)	
Frequency range	80 Hz ... 20 kHz	
Sound pressure level (SPL)	-111 dB (@ 1 kHz)	
Voltage supply	Plug-in power supply (24 V $\overline{\text{---}}$ / 1500 mA , centre positive)	
Battery / rechargeable battery	Battery type	Lithium-ion
	Voltage	18.5 V

	Capacity	2.200 mAh
	Operating time	5 h
	Charging time in the device	3 h
Dimensions (W × H × D)	375 mm × 195 mm × 185 mm	
Weight	4.0 kg	
Ambient conditions	Temperature range	-20 °C...60 °C
	Relative humidity	60 %, ±25 %

Further information

Channels	3
Reverb	Yes
Effects processor	Yes
External effects loop	No
Line input	No
Headphone connection	No

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

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



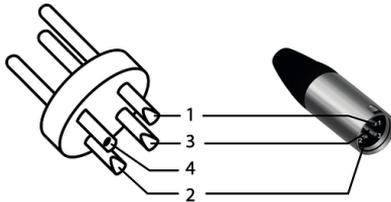
1	Signal (in phase, +)
2	Signal (out of phase, -)
3	Ground

**Three-pole 1/8" mini phone jack
(stereo, unbalanced)**



1	Signal (left)
2	Signal (right)
3	Ground, shielding

XLR plug (balanced)



1	Ground, shielding
2	Signal (in phase, +)
3	Signal (out of phase, -)
4	Shielding on plug housing (option)

8 Protecting the environment

Disposal of the packaging material



For the 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 batteries



Batteries do contain some hazardous chemicals so they should not be thrown away with the normal household waste. They should be returned to the manufacturer for disposal or recycled elsewhere in accordance with your local regulations.

Remove lithium batteries from the device before disposal. Protect used lithium batteries against potential short circuits, e.g. by covering the poles with adhesive tape. Dispose the built-in lithium batteries together with the device. Please check for an appropriate reception facility.

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.



