



Travel Pack 8

User Manual

PA System

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11.10.2024, ID: 574446 (V2)

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# 1 General information

This document contains important instructions for the safe operation of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. Make sure that it is available to all those using the product. If you sell the product to another user, be sure that they also receive this document.

Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is ready for download under [www.thomann.de](http://www.thomann.de).

## 1.1 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 document.

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>WARNING!</b>	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.
<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 – high-voltage.
	Warning – danger zone.

## 2 Safety instructions

### Intended use

This device is intended to be used for amplification, mixing and playback of signals from musical instruments and microphones. 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!**

##### **Risk of injury and choking hazard for children!**

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such knobs) that children could play with.



#### **DANGER!**

##### **Danger to life due to electric current!**

A short circuit could lead to a fire hazard and risk of death. Always use proper ready-made insulated triple-core mains cable with a safety plug. Do not modify the mains cable or the plug. In case of isolation damage, disconnect immediately the power supply and arrange repair. If in doubt, seek advice from a qualified electrician.



#### **DANGER!**

##### **Danger to life due to electric current!**

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 when covers, safety equipment or optical components are missing or damaged.



#### **WARNING!**

##### **Possible hearing damage due to operating the device at a high volume!**

The device can produce volume levels that, when operated at a high volume, may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage. Avoid operating the device at excessively high volumes over an extended period of time. 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 adequate ear-muffs.



#### **NOTICE!**

##### **Risk of fire due to covered vents and neighbouring heat sources!**

If the vents of the device are covered or the device is operated in the immediate vicinity of other heat sources, the device can overheat and burst into flames. Never cover the device or the vents. Do not install the device in the immediate vicinity of other heat sources. Never operate the device in the immediate vicinity of naked flames.



#### **NOTICE!**

##### **Possible property damage to adjacent devices due to magnetic fields.**

Speakers generate a static magnetic field. This magnetic field can affect other neighbouring units and in unfavourable cases damage them. Ensure that speakers are always a sufficient distance away from sensitive equipment that may be affected by an external magnetic field.



#### **NOTICE!**

##### **Possible staining due to plasticiser in rubber feet!**

The plasticiser contained in the rubber feet of this product may react with the coating of the floor and cause permanent dark stains after some time. If necessary, use a suitable mat or felt slide to prevent direct contact between the product's rubber feet and the floor.

### 3 Features

- 2 × passive 8×12-inch speaker
- 1 × connected, detachable powermixer
- 1 × built-in storage compartment for speaker and power cables and the infrared remote control
- The speakers and the powermixer can be assembled for transport
- 10-channel power mixer with 600 W RMS
- Media player with USB and Bluetooth®
- 4 × microphone/line/instrument input (XLR/jack combo socket)
- 2 × stereo input (6.35-mm jack socket pair)
- 1 × line input (cinch socket pair, 3.5-mm jack socket)
- 1 × monitor output (6.35-mm jack socket pair)
- 2 × speaker output (6.35-mm jack socket)
- Built-in digital effects device
- 35-mm stand flange on powermixer and speaker
- 2 × speaker cable and 1 × infrared remote control included in the scope of delivery

## 4 Installation

**NOTICE!****Possible property damage to adjacent devices due to magnetic fields.**

Speakers generate a static magnetic field. This magnetic field can affect other neighbouring units and in unfavourable cases damage them.

Ensure that speakers are always a sufficient distance away from sensitive equipment that may be affected by an external magnetic field.

**NOTICE!****Potential property damage due to unsuitable stands!**

If the device is mounted on an unsuitable stand, there is a risk that the stand will fall over and cause damage.

Only use stands whose maximum bearing capacity is at least as high as the weight of the device. Always ensure that the stand is stable.

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.

**Removing the powermixer**

The powermixer is located between the speakers. Release the locking mechanism on the top of the speakers and remove the speakers.

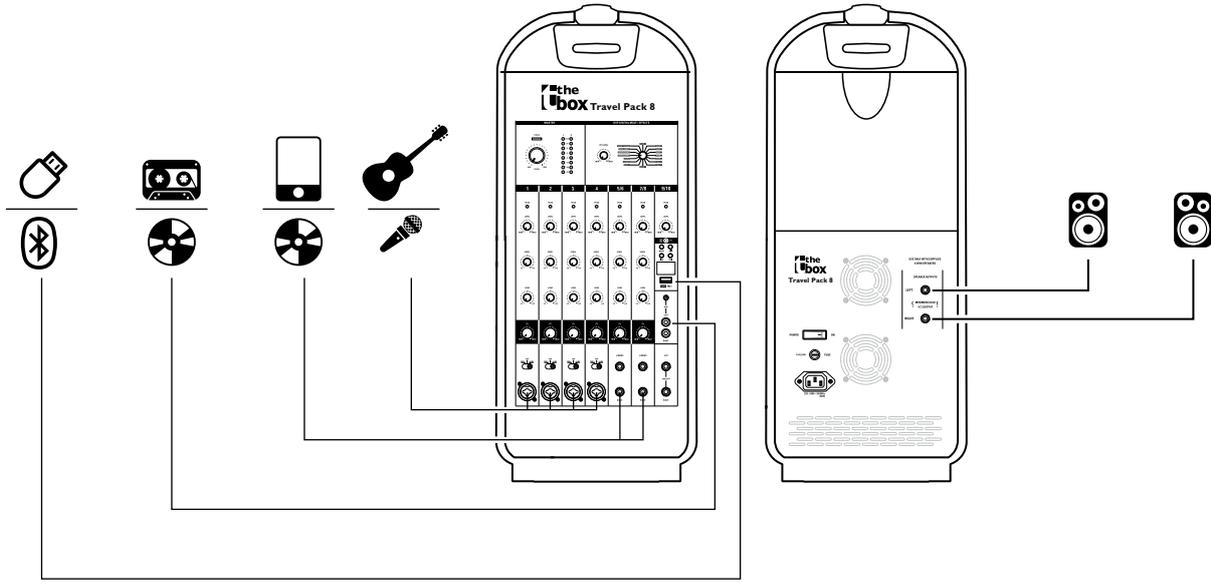
**Removing accessories**

The accessories are located in the storage compartment on the back of the powermixer. Release the locking mechanism on the top of the powermixer and open the back panel to remove the accessories.

**Microphone holder**

The microphone holder for storing an optionally available microphone is located on the sides of the powermixer. Pull the microphone holder down and push the microphone into the holder from above.

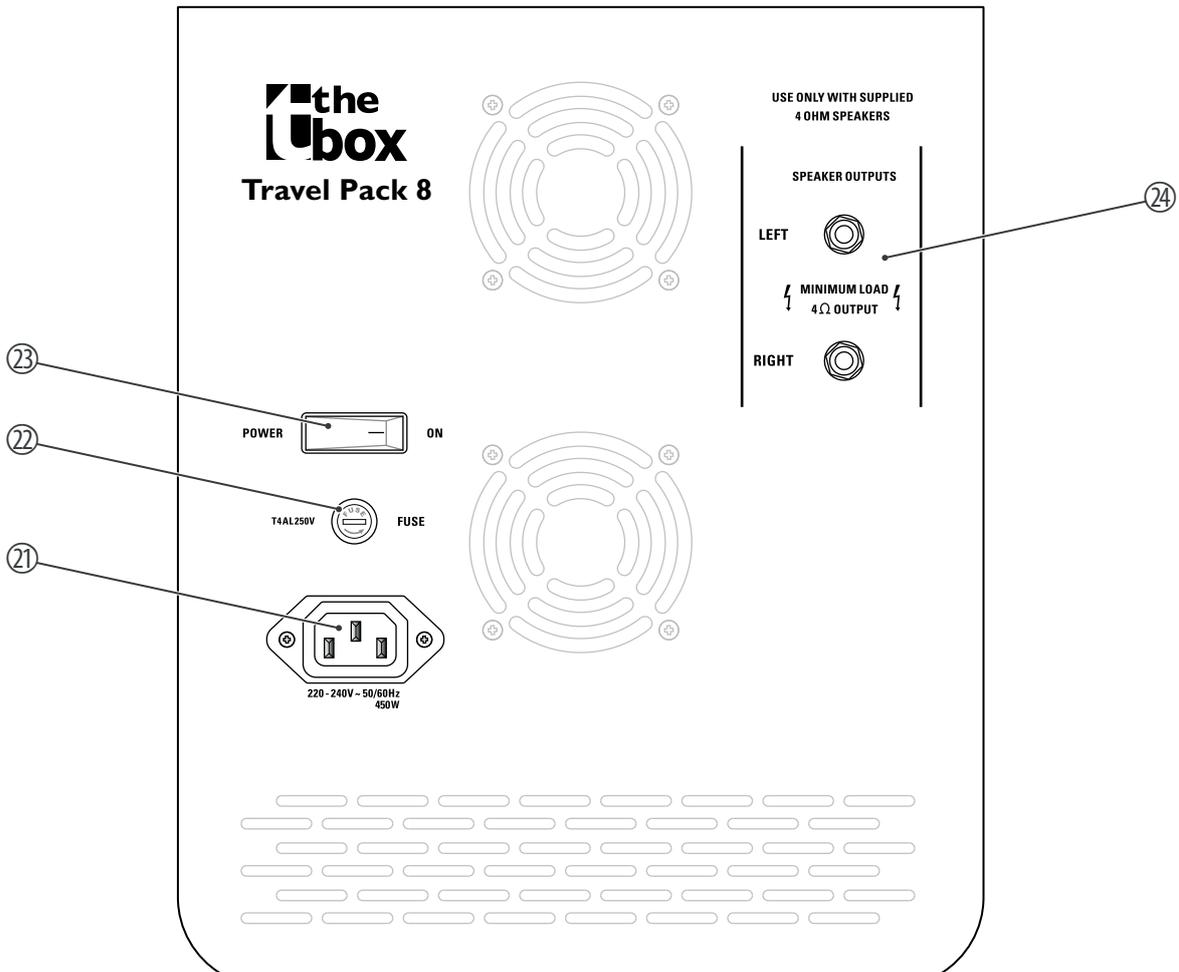
## Connection options





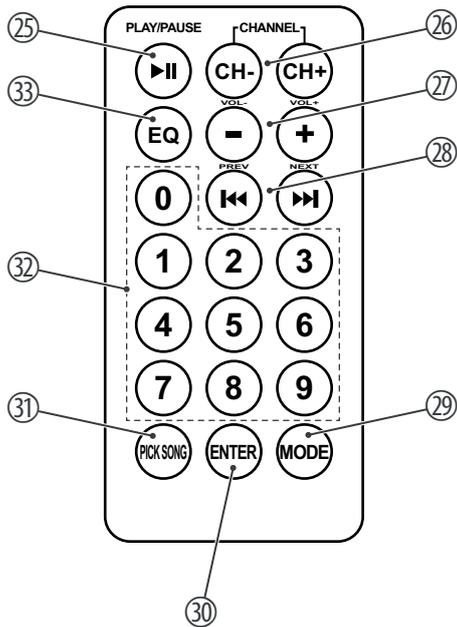
1	<i>[LEVEL]</i>   Rotary control for adjusting the overall volume of the device (sum of all input signals)
2	<i>[POWER]</i>   Status LED. This LED lights up when the device is on.
3	<i>[LIMIT]</i>   These LED chains indicate the level of the sum signal. Keep the level in the green or max yellow range. If the red LEDs (CLIP) light up, the sum signal is clipping. In case of clipping, turn back the <i>[LEVEL]</i> master control until the red LEDs no longer light up.
4	<i>[EFX LEVEL]</i>   Rotary control for adjusting the signal portion sent to the internal effects section
5	Rotary control for selecting one of the 16 pre-set DSP effects
6	Receiver for the infrared remote control
7	Media player with buttons for playing MP3 files
	<i>[MODE]</i>   Button for selecting the signal source (Bluetooth®, USB, AUX).
	▶▶   Button for starting/pausing playback (Bluetooth®, USB)
	◀◀   Button for selecting the previous track. Press and hold the button for three seconds to decrease the volume (Bluetooth®, USB).
	▶▶   Button for selecting the next track. Press and hold the button for three seconds to increase the volume (Bluetooth®, USB).
8	Display
9	🔌   Signal input for channel <i>[9/10]</i> , designed as USB connection socket. The capacity of the connected USB flash drive must not exceed 8 GB.
10	<i>[AUX]</i>   Signal input for channel <i>[9/10]</i> , designed as 3.5-mm jack socket. For the input for channel <i>[9/10]</i> , the 3.5-mm jack socket has priority if the 3.5-mm jack socket and the cinch sockets are used at the same time. The signal from the cinch sockets is muted in this case.
11	<i>[LEFT]/[RIGHT]</i>   Signal input for channel <i>[9/10]</i> , designed as cinch sockets For the input for channel <i>[9/10]</i> , the 3.5-mm jack socket has priority if the 3.5-mm jack socket and the cinch sockets are used at the same time. The signal from the cinch sockets is muted in this case.
12	<i>[L/MONO]/[RIGHT]</i>   Line level for channels <i>[5/6]</i> and <i>[7/8]</i> , designed as 6.35-mm jack sockets
13	<i>[LINE OUT]</i>   Signal output for connecting an active speaker, designed as 6.35-mm jack sockets
14	Microphone/line input for channels <i>[1]...[4]</i> , designed as XLR/jack combo socket
15	<i>[MIC]/[GUITAR]/[LINE]</i>   Slider for selecting the input sensitivity for channels <i>[1]...[4]</i> - Select <i>[MIC]</i> to connect a microphone, <i>[GUITAR]</i> to connect a high-impedance instrument (e.g. a guitar) or <i>[LINE]</i> to connect a device with a line signal (e.g. keyboard or player).
16	<i>[FX]</i>   Rotary control for controlling the signal portion of the internal effect of the respective channel
17	<i>[LOW]</i>   Rotary control for adjusting the low frequencies of the respective channel
18	<i>[HIGH]</i>   Rotary control for adjusting the high frequencies of the respective channel
19	<i>[LEVEL]</i>   Rotary control for adjusting the volume of the respective channel
20	<i>[PEAK]</i>   Status LED. The LED flashes red if the signal of the corresponding input is too strong. In case of an overload, reduce the volume of the respective input.

Back



21	[220-240V~50/60Hz]   Rubber panel plug for the power supply of the device
22	[FUSE]   Fuse holder
23	[POWER]   Main switch. Turns the device on and off.
24	[SPEAKER OUTPUTS]   Signal output for connecting the included passive speakers, designed as 6.35-mm jack sockets

## Remote control for the media player



25	▶     Button for starting/pausing playback
26	[CH-]/[CH+]   No function
27	[-]/[+]   Button for increasing or reducing the volume
28	◀◀/▶▶   Button for selecting the previous or next piece
29	[MODE]   Button for selecting the signal source (Bluetooth®, USB, AUX).
30	[ENTER]   No function
31	[PICK SONG]   No function
32	[0]...[9]   Number buttons for selecting a piece directly
33	[EQ] Button for navigating the digital equalizer presets that you can apply to the track.

## 6 Playback via Bluetooth®

The media player's integrated Bluetooth® receiver allows you to play music wirelessly from Bluetooth® devices such as smartphones, tablets or notebooks. Follow the instructions for use for your Bluetooth® device. Place it near the device and turn on the Bluetooth® device.

### Establishing the Bluetooth® connection

1. ▶ Press *[MODE]* on the media player repeatedly until the display shows 'bt'.
2. ▶ Press and hold for ▶|| three seconds until 'bt' flashes on the display.
3. ▶ Establish the connection with your Bluetooth® device.
  - ⇒ The device is displayed under the name 'Travel Pack 8'.
4. ▶ After successful connection, you can play the music files stored on the Bluetooth® device. Control the device via the buttons on the media player or the remote control.

## 7 Technical specifications

### Powermixer

Input connections	Power supply	1 × rubber panel plug C14
	Microphone/line input	4 × XLR/jack combo socket, balanced
	Line input	4 × 6.35-mm jack socket, balanced
		2 × cinch socket, unbalanced
	AUX input	1 × 3.5 mm jack socket
USB	USB 3.0	
Output connections	Monitor output	2 × 6.35-mm jack socket
	Speaker output	2 × 6.35-mm jack socket
Output power		500 W (RMS)
Output impedance		4 Ω
Frequency range		50 Hz ... 20 kHz, -6 dB
Signal-to-noise ratio		96 dB
Total harmonic distortion (THD)		< 1% @ 250 W
Crosstalk		> -45 dB
		1 kHz
Digital signal processing		Digital signal processor: 24 bit
		A/D-D/A converter: 24 bit
		Sampling rate: 48 kHz
Storage media		USB flash drive
Playback formats		MP3, WAV, WMA
Bluetooth®	Frequency range	2.4 GHz
	Max. transmission power	+4 dBm
	Standard	Version 5.0
	Name	Travel Pack 8
Remote control battery		Lithium-ion button cell CR2025, 3 V
Power consumption		450 W
Supply voltage		220 - 240 V ~ 50/60 Hz
Fuse		5 mm × 20 mm, 4 A, 250 V, slow blow
Dimensions (W × H × D)		410 mm × 610 mm × 245 mm
		810 mm × 610 mm × 245 mm (including speakers)
Weight		10 kg
		28 kg (including speakers)
Ambient conditions	Temperature range	0 °C - 40 °C
	Relative humidity	20%...80% (non-condensing)

**Speaker**

System	Passive 2-way speaker	
Configuration	Woofer	1 × 8×12-inch speakers
	Tweeter	1 × 1-inch compression driver
Input connections	1 × 6.35-mm jack socket	
Frequency range	50 Hz...20 kHz, -6 dB	
Load capacity	250 W (RMS)	
Sensitivity (1 W/1 m)	96 dB SPL	
Rated impedance	4 Ω	
Max. sound pressure level	124 dB	
Beam angle (H × V)	90° × 60°	
Dimensions (W × H × D)	310 mm × 575 mm × 245 mm	
Weight	9 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)

**Further information**

Including Mixer	Yes
Active speaker	No
Plastic housing	Yes
Including Powermixer	Yes
Including Power amplifier	Yes
Mid-range speaker	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)



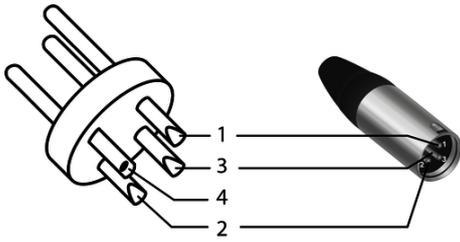
1	Signal (in phase, +)
2	Signal (out of phase, -)
3	Ground

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



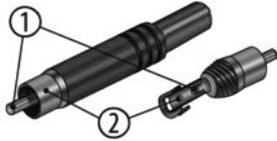
1	Signal (left)
2	Signal (right)
3	Ground, shielding

**XLR plug (balanced)**



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

**RCA connection**

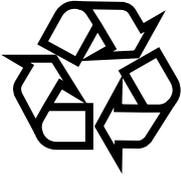


Drawing and table indicate the pin assignment of an RCA plug.

1	Signal
2	Ground, shielding

## 9 Protecting the environment

### Disposal of the packing material



Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



Observe the disposal note regarding documentation in France.

### Disposal of batteries



Batteries must not be thrown away or burnt, but must instead be disposed of in line with the local regulations on the disposal of hazardous waste. Use the available collection sites.

Only dispose of lithium batteries when they are empty. Remove lithium batteries from the device before disposal if this is possible without destroying it. Protect used lithium batteries against short circuit, for example by taping the poles. Dispose the built-in lithium batteries together with the device. Check for an appropriate collection facility.

Dispose of the batteries and rechargeable batteries at relevant collection points or through your local waste facility.

### Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions on [www.thomann.de](http://www.thomann.de).

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal.

If your old device contains personal data, delete those data before disposing of it.



