



fungeneration

Speaker ToGo BT
mobile PA system

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

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 – high-voltage.
	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.

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

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. 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.



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!

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.



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

The mobile PA system is characterized by the following features:

- Compact all-in-one system
- Maximum flexibility thanks to mains and battery operation
- 10" woofer and tweeter
- Output power 50 W (peak)
- Frequency response 70 Hz ... 20 kHz \pm 3 dB
- 3-band EQ
- Bluetooth® interface for audio playback from mobile devices
- 1 \times balanced XLR / 1/4" combo socket to connect microphones
- 1 \times unbalanced 1/4" phone input to connect microphones or instruments
- 1 \times 1/8" mini phone socket as line input
- 1 \times line output
- USB port for charging suitable devices
- Plastic housing with tripod flange, telescope carrying handle and casters

4 Installation and starting up

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device 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

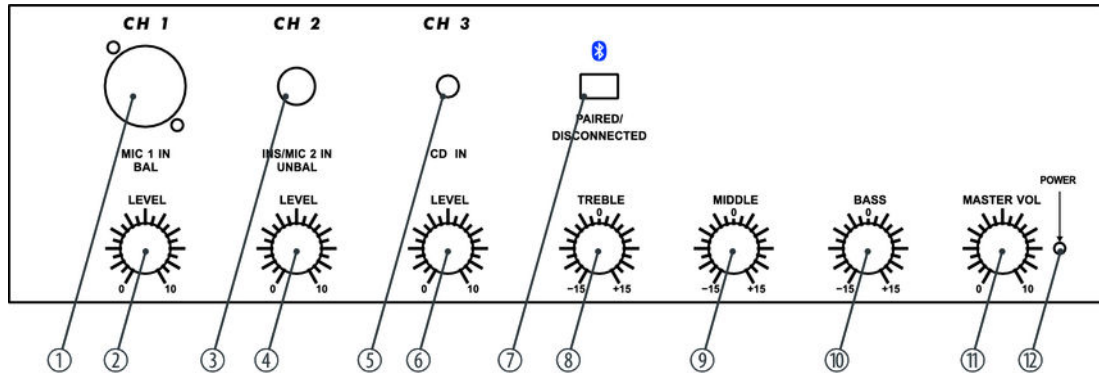
You can also operate the device independently of mains power supply via the built-in rechargeable battery.

4.2 Set-up

You can operate the device standing on the floor or on a suitable speaker stand using the tripod flange at the bottom. For easy handling of the unit, a telescope handle is located on the back panel and each side has a grip cap.

5 Connections and controls

Front panel

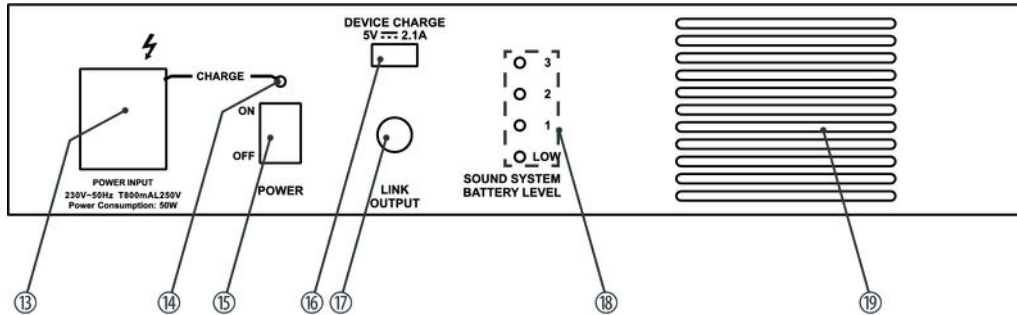


1	<i>[CH 1]</i> Balanced XLR / 1/4" combo input for channel 1 to connect microphones that don't need phantom power.
2	<i>[LEVEL]</i> Volume control for channel 1. Turn the control to the right to increase the volume. in this channel. Turn it to the left to reduce the volume.
3	<i>[CH 2]</i> Unbalanced 1/4" phone input for channel 2 to connect microphones or instruments.
4	<i>[LEVEL]</i> Volume control for channel 2. Turn the control to the right to increase the volume. in this channel. Turn it to the left to reduce the volume.
5	<i>[CH 3]</i> 1/8" mini phone socket as input for channel 3 to connect line level signals, e.g. from CD or MP3 players.

6	<p><i>[LEVEL]</i></p> <p>Volume control for channel 3. Turn the control to the right to increase the volume. in this channel. Turn it to the left to reduce the volume.</p>
7	<p><i>[PAIRED / DISCONNECTED]</i></p> <p>Push button to enable / disable the Bluetooth® function with indicator. A few seconds after switching the function on, the indicator in the push button lights up red and an acoustic signal sounds. The device is not operational. Move the mobile Bluetooth® device close to the Speaker ToGo (max. 3 m) and let the mobile device scan for other devices offering a Bluetooth® connection. The Speaker ToGo logs in as „BLUETOOTH“. Proceed with the pairing. If you are asked to enter a pairing code, enter '0000'. When the connection is established, the indicator in the push button lights up blue and you can play back audio files from the mobile device through the Speaker ToGo. To disconnect, press the button again. Again, you hear an acoustic signal and after a few seconds the indicator in the button goes out.</p> <p>To deposit the mobile device, the top panel recess is particularly well suited.</p>
8	<p><i>[TREBLE]</i></p> <p>Treble control. Turn the control to the right to increase the treble. Turn it to the left to reduce the treble. When it's in the lock-in position '0' the signal remains unaffected.</p>

9	<i>[MIDDLE]</i> Mids control. Turn the control to the right to increase the mids. Turn it to the left to reduce the mids. When it's in the lock-in position '0' the signal remains unaffected.
10	<i>[BASS]</i> Bass control. Turn the control to the right to increase the bass. Turn it to the left to reduce the bass. When it's in the lock-in position '0' the signal remains unaffected.
11	<i>[MASTER VOL]</i> Overall volume control. Turn the control to the right to increase the overall volume. Turn it to the left to reduce the overall volume.
12	<i>[POWER]</i> Power indicator, lights when the power is on.

Rear panel



13	<p><i>[POWER INPUT]</i></p> <p>Plug for mains cable with fuse holder. To operate the device via the power grid, connect this plug using the supplied power cord to an AC outlet.</p>
14	<p><i>[CHARGE]</i></p> <p>If the charge indicator light is on, the internal battery is being charged. After the LED goes out, the battery is fully charged.</p>
15	<p><i>[POWER ON OFF]</i></p> <p>Bring this switch in the ON position to turn on the device. Bring this switch in the OFF position to turn off the device.</p>
16	<p><i>[DEVICE CHARGE]</i></p> <p>With the unit turned on, you can operate or charge appropriate devices via this USB port. The maximum current draw of the connected device must not exceed 2.1 A, otherwise the Speaker ToGo can be damaged. There is no data transmission. If the Speaker To Go is powered by the built-in battery, the connection of devices to this socket reduces the operating time.</p>

17	<p><i>[LINK OUTPUT]</i></p> <p>The line level output signal of the device to connect amplifiers, active monitors or recording devices is present at this 1/4" socket. The signal is subject to EQ but is not affected by <i>[MASTER VOL]</i> to set the overall volume.</p>
18	<p><i>[SOUND SYSTEM BATTERY LEVEL]</i></p> <p>Charge indicator for the built-in battery.</p> <ul style="list-style-type: none">– When all green segments 1 ... 3 are lit, the battery is fully charged. If only some segments light up, that indicates the corresponding charge status.– When the red segment LOW is lit, you need to expect the soon shutdown of the device due to exhausted battery.
19	<p>Vents for the warm air to escape from the housing.</p>

6 Technical specifications

Amplifier / speaker	
Inputs	1 × XLR / 1/4" jack combo socket for microphone input
	1 × 1/4" phone socket for microphone / instrument input
	1 × 3.5 mm phone socket for line input
	1 × Bluetooth® interface for wireless audio transmission
Outputs	1 × 1/4" phone socket for line output
Speakers	10" woofer plus tweeter
Frequency range	70 Hz ... 20 kHz (±3 dB)
Output power	50 W Peak

General	
Voltage supply	230 V ~ , 50 Hz
	12 V lead gel battery (10 Ah), maintenance-free
Fuse	5 mm × 20 mm, 800 mA, 250 V, slow-blow
Operating time per battery charge	approx. 20 h
Dimensions (W × H × D)	437 mm × 507 mm × 340 mm
Weight	22.5 kg

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)



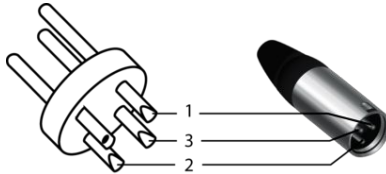
1	Signal (in phase, +)
2	Signal (out of phase, -)
3	Ground

**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, -)

8 Cleaning

Device components

Clean the device components that are accessible from the outside regularly. The cleaning frequency depends on the operating environment: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the device components.

- Clean with a dry soft cloth.
- Stubborn dirt can be removed with a slightly dampened cloth.
- Never use solvents or alcohol for cleaning.

Fan grids

The fan grids of the device must be cleaned on a regular basis to remove dust and dirt. Before cleaning, switch off the device and disconnect AC-powered devices from the mains. Use a lint-free damp cloth for cleaning. Never use solvents or alcohol for cleaning.

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). 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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