

**the
box**

TA18
active subwoofer

Musikhaus Thomann
Thomann GmbH
Hans-Thomann-Straße 1
96138 Burgebrach
Germany
Telephone: +49 (0) 9546 9223-0
E-mail: info@thomann.de
Internet: www.thomann.de

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1 General notes



This user manual contains important information on 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, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user 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
 A yellow triangular warning sign with a black border. Inside the triangle, there is a black silhouette of a crane hook lifting a rectangular load.	Warning – suspended load.
 A yellow triangular warning sign with a black border. Inside the triangle, there is a large black exclamation mark.	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.



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!

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.



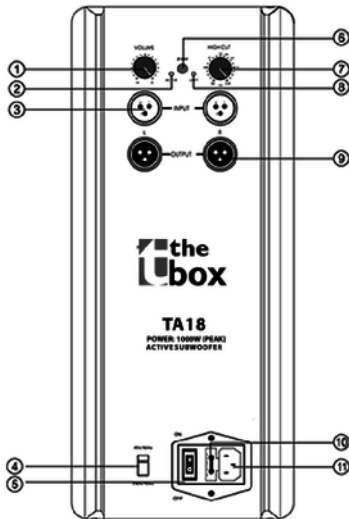
NOTICE!

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 Connections and controls



1 [VOLUME]

Volume control for the input. Increase the volume by rotating clockwise and decrease the volume by rotating counter-clockwise. First please adjust the volume to minimum before switching the unit on or making connections. Then adjust the appropriate volume.

2 [ACTIVE]

This LED lights up when the unit is switched on.

3 [INPUT]

Connect the stereo line input signals for channels L & R to these balanced mounting plugs.

4 [115 V / 230 V]

Mains voltage selector. Make sure this selector is set correctly for the actual supply voltage at the operating location. Use this switch only when the device is switched off.

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5	<i>[ON / OFF]</i> Use this mains switch to turn the device on or off.
6	<i>[INV]</i> Phase inversion switch.
7	<i>[HIGH CUT]</i> Turn this control to adjust the frequency of the high cut filter between 80 Hz and 250 Hz.
8	<i>[LIMIT]</i> This LED lights up when the limiter circuit becomes active.
9	<i>[OUTPUT]</i> L/R line outputs for the connection of active mid/high speakers.

- | | |
|----|--|
| 10 | If the fuse blows, replace it with a new fuse of the same type. You must first disconnect the device from the power supply. |
| 11 | IEC chassis plug for the power supply.
Make sure that the voltage selector (4) is in the position that matches with the actual supply voltage available for operation, BEFORE you connect the mains power here. |

4 Installation

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.



WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

**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.

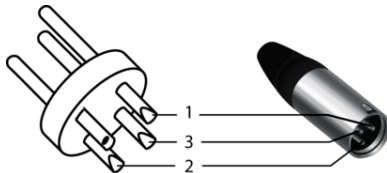
**NOTICE!****Use of stands**

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

4.1 Pin assignment

You can use XLR connectors with either balanced or unbalanced wiring. Below you will find an overview of the different options.

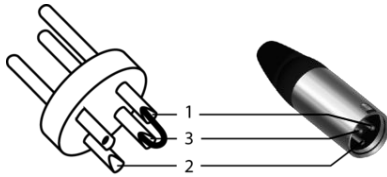
XLR connections for signal inputs/outputs



XLR panel sockets are provided for signal inputs. XLR panel plugs are provided for signal outputs. The figure and the table show the XLR pin assignment.

Balanced pinout:

1	Ground
2	Positive signal (+)
3	Negative signal (-)



Unbalanced pinout:

1	Ground
2	Signal
3	Jumpered with pin 1

5 Technical specifications

System	Active subwoofer
Housing colour	Black
Driver	1 × 18" (woofer)
Frequency response	35 Hz - 250 Hz (-3 dB)
Sound pressure level (in 1 m distance)	133 dB (free field)
Output power	1000 W max.
Distortion	<2%
Input impedance	balanced: 20 kΩ, unbalanced: 10 kΩ
Connections	XLR input / output
Operating supply voltage	115/230 V ~ 50/60 Hz
Fuse	115 V: 5 mm × 20 mm, 8 A, 250 V, slow-blow 230 V: 5 mm × 20 mm, 5 A, 250 V, slow-blow

Dimensions (W × D × H)	693 × 580 × 530 mm
Net weight	45 kg

6 Cleaning and care

Cleaning plastic housing

Do not use aggressive cleaners. Wipe the casing only with a slightly damp cloth.

7 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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