

**the  
box**

TA18  
active subwoofer

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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 to other users, be sure that they also receive this manual.

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
<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>CAUTION!</b>	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor 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 signs	Type of danger
	Warning – suspended load.
	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.



**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 cover the device nor any ventilation slots. Do not place 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.



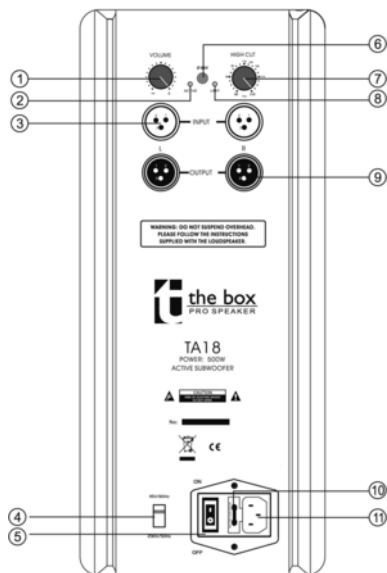
### **NOTICE!**

#### **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 Operating elements



#### 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 sockets

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	<b>ON / OFF</b> Power ON/OFF switch.
6	<b>INV</b> Phase inversion switch.
7	<b>HIGH CUT</b> Turn this control to adjust the frequency of the high cut filter between 80 Hz and 250 Hz.
8	<b>LIMIT</b> This LED lights up when the limiter circuit becomes active.
9	<b>OUTPUT sockets</b> L/R line outputs for the connection of active mid/high speakers.

10	<p><b>Mains fuse</b></p> <p>If this fuse blows, you first have to disconnect the device from the mains. Then replace the broken fuse by a new one with same specifications.</p>
11	<p><b>Mains power supply connector</b></p> <p>Make sure that the voltage selector (4) is in the position that matches with the actual supply voltage available for operation, <b>BEFORE</b> you connect the mains power here.</p>

# 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.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.



### **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.

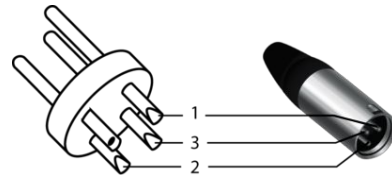
**NOTICE!****Use of stands**

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.

### XLR connection for signal in and outputs

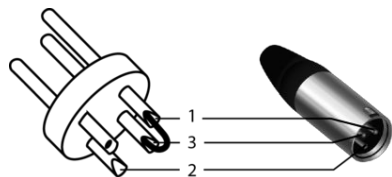


XLR mounting sockets are provided for signal inputs. XLR mounting plugs are provided for signal outputs. Drawings and descriptions explain the pin assignment.

Balanced wiring:

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





Unbalanced wiring:

1	Ground, shielding
2	Signal
3	Bridged with Pin 1

## 5 Technical specifications

Mains voltage	115 V~/60 Hz, 230 V~/50 Hz
System	Active subwoofer
Cabinet colour	Black
Driver	1 × 18" (woofer)
Frequency response	35 Hz - 250 Hz (-3 dB)
Max SPL (1m)	133 dB (free field)
Output power	500 W
Distortion	<2%
Input impedance	Balanced: 20 kΩ, unbalanced: 10 kΩ
Connectors	XLR input / output
Dimensions (W x D x H)	693 × 530 × 580 mm
Packing dimensions (W x D x H)	793 × 680 × 630 mm

Net weight	45 kg / pc.
Gross weight	50 kg / pc.

## 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.





