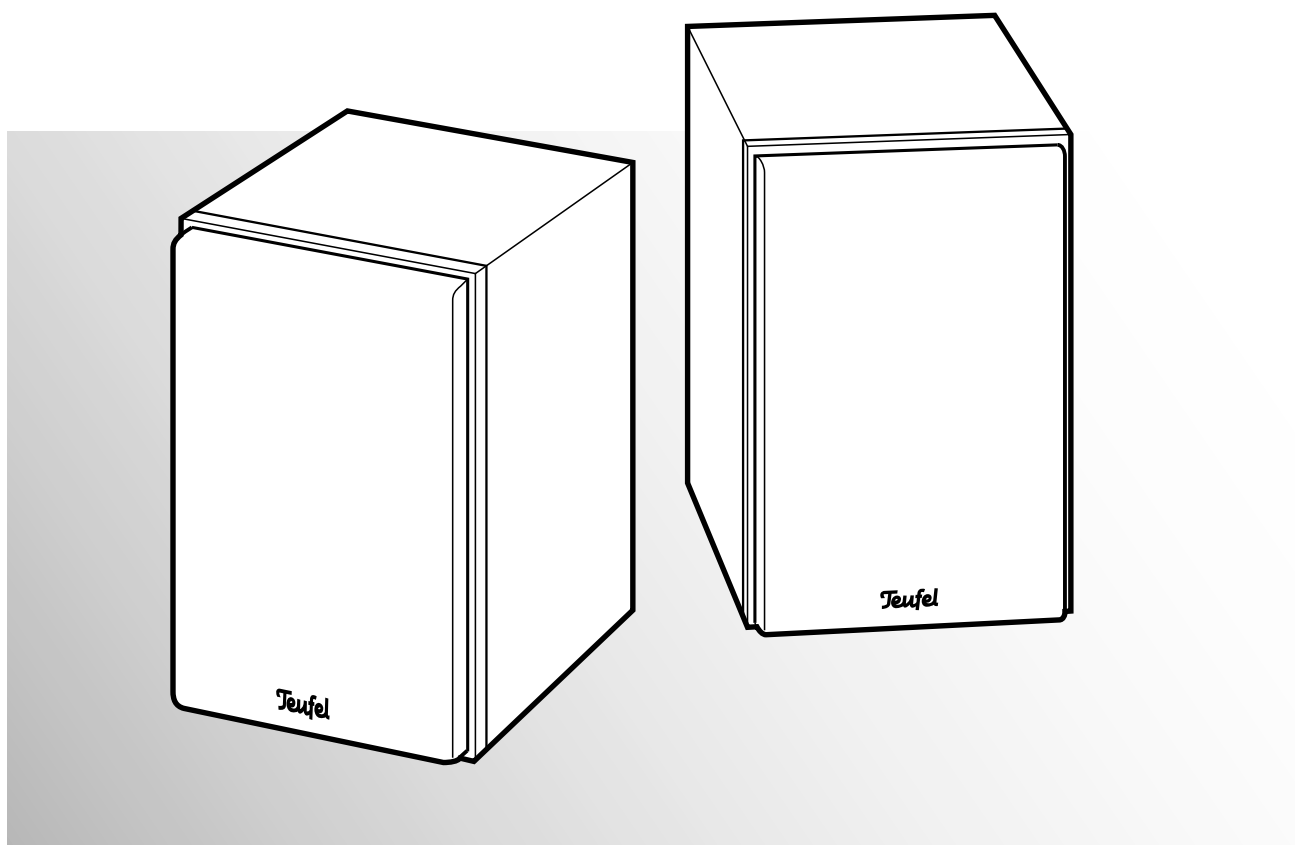


Technical description and operating instructions



T 110F

Compact speakers

Teufel

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General notes and information

Notice

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Version 1.0
April 2011

Original packaging

If you wish to exercise your eight-week right of return, we ask that you be absolutely sure to hold onto the packaging. We can only accept the return of a device WITH THE ORIGINAL PACKAGING.
Empty boxes are not available!

Complaints

In case of complaint we will need the following information to process your enquiry:

1. Invoice Number

Can be found on the sales slip (enclosed with the product) or on the order confirmation received as a PDF document, e.g. 4322543.

2. Serial number and/or batch number

Located on the back of the unit,
e.g. serial number: UL 04007480121A

Many thanks for your support!

Contact

For questions, suggestions or criticism please contact our customer service department:

Lautsprecher Teufel GmbH
Gewerbehof Buelowbogen
Buelowstrasse 66
10783 Berlin (Germany)

Phone: 00800 - 200 300 400 (free of charge)

Fax: +49 (0)30 - 300 930 930

E-mail: service@teufelaudio.com

www.teufelaudio.com

Proper use

The product is designed for playback of audio signals. Use the product only as described in these operating instructions. Any other use will be deemed as not in accordance with the instructions and may lead to damage to property or even persons.

The manufacturer accepts no liability for damage caused by use not in accordance with the instructions.

The unit is intended for private use.



Before operating the unit for the first time please read the safety notes and operating instructions carefully. This is the only way to use all functions safely and reliably.

Keep the operating instructions safe and pass them on to anyone who may own the unit after you.

Safety notes

Caution icons

You will find the following caution icons in these instructions:

Danger**High risk!**

Failure to observe the warning may result in severe personal injury or death.

Attention**Moderate risk!**

Failure to observe the warning may result in property damage.

**Minor risk!**

Points which should be observed when handling the unit.

Safety notes

Danger**Danger to children!**

Children can become trapped in the packing film when playing and suffocate.

- Do not allow children to play with the unit or the packing film. Danger of suffocation.
 - Ensure that children do not remove small parts from the unit or take them off of the unit (e.g. batteries from the remote control, control knobs or plug adapters). They could swallow the parts and choke.
-

Danger**Risk of injury**

An unstable base may result in the unit tipping over and seriously injuring or even killing

persons, children in particular are at risk. You can prevent many accidents by taking the following precautions:

- Only use underframes or speaker stands recommended by the manufacturer.
 - Only place the unit on furniture capable of carrying the load.
 - Make sure that the unit is completely on the piece of furniture and that it does not hang over the edge.
 - If you place the unit on a tall piece of furniture such as a book case or a kitchen cabinet, brace both the piece of furniture and the TV set to the wall.
 - Do not place any decorative blankets or other materials on the piece of furniture before setting up the unit.
 - Warn your children of the risks associated with climbing onto the piece of furniture in order to reach the unit.
 - When storing the unit, make sure that the aforementioned points are observed.
-

**Danger to hearing!**

Loud noise may lead to hearing loss.

Especially if a unit is activated and set to full volume, very high noise pressure may be emitted unexpectedly. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk.

- Set your signal source unit volume control to a low setting.
 - When the volume is set high, always keep a certain distance from the unit and never place your ear directly on the speaker.
 - To avoid damage to health, avoid extended listening at high volume.
-

Danger**Danger of injury/damage!**

Set up in an unsuitable location may result in injury to persons and/or damage to property.

- Do not use the device in vehicles without having it secured, in unstable locations, wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The device could tip or fall down and cause injury to persons or be damaged itself.
 - Arrange the device so that it cannot be knocked over accidentally and make sure that the cables do not pose a trip hazard.
 - Ensure that any wall mounting is performed in a professional manner.
 - Only use suitable wall brackets for mounting. Verify the carrying capacity of the walls.
 - Do not place the unit near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.)
-

Attention Fire hazard!

Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the unit.
 - Do not place the unit in direct sunlight.
 - Ensure sufficient ventilation.
 - Do not cover the ventilation slots with curtains, cloths, newspapers or similar. Heat build-up inside the unit can shorten the lifetime of the unit.
-

Unpacking and setup

Carefully open the boxes, remove the speakers with the EPE foam parts and remove the foam parts without touching the diaphragm.



Connector cables

The T 110F series is delivered without a connector cable due to the variety of different customer needs. You can find suitable cables in our webshop www.teufelaudio.com in the "Accessories" area.

Check to be sure

- Check that all items have been delivered and that nothing is damaged.
- If the delivery is incomplete or you find damage sustained in transit, do not operate the unit but contact our service department (see page 3).

Removing the protective grids

You can remove the protective grids from the speakers by carefully reaching behind the protective grid and slowly pulling it off to the front.

When reattaching the grids, ensure that the installation pins slide into the corresponding holes on the speaker.

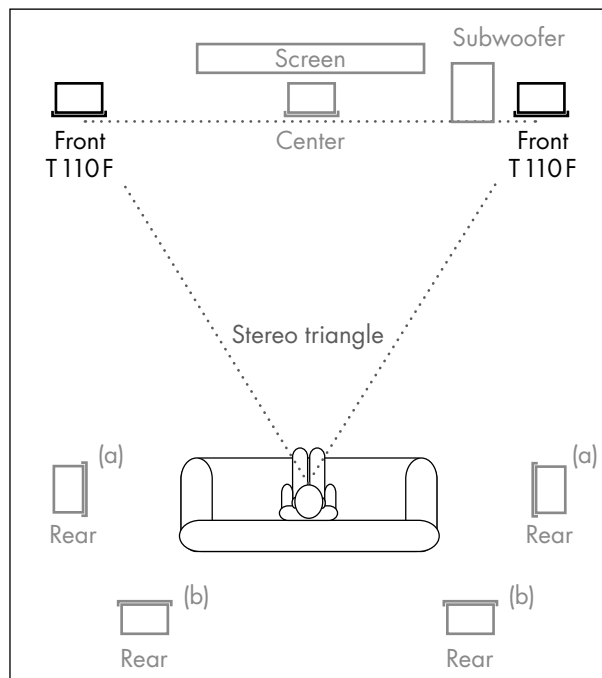
Location tips

- Select a stable, level base.
- Make sure that the environment is clean and free from dust.
- Avoid placing the unit close to sources of heat or in direct sunlight.
- Arrange the connector cables so that they do not pose a trip hazard.
- Do not place any heavy objects on the cables or the speakers.

The following data concern an "ideal home cinema", in which the listener sits in a central position at a sufficient distance in front of the speakers (see the adjacent graphic) and no objects (tables or the like) are located in between. Unfortunately, the room, furnishings or other circumstances do not always allow for optimum arrangement.

Modern amplifiers offer a variety of possibilities for electronically compensating losses associated with the arrangement. The following general rule applies: You can always experiment on what works best in your listening room in terms of sound and appearance based on our recommendations. Let your ears (and eyes) be the judge!

Use as front speakers in a 5.1 home cinema system



Front speakers

- The front speakers T 110F are set up to the right and left of the screen at a height of approx. 80 to 160 cm.
- They should be in line with the center speaker and form an equilateral triangle with the listener – the so-called stereo triangle (distance from the listener = distance between the speakers).
- The speakers should project sound directly into the room or slightly towards the listener.

Center speaker

- Place the center speaker in a central position under or next to the screen.

Rear speakers

- The rear speakers are set up or wall mounted to the side (a) or behind (b) the listener at a height of 1.20 m to 2.10 m.
- The distance to the listener should amount to at least 100 cm.

Subwoofer

- You can freely select the location for the subwoofer; it does not affect the other speakers. A location between the front speakers is often ideal.

Connecting

Danger Danger of injury/damage!



Arrange the cables so that they do not pose a trip hazard.

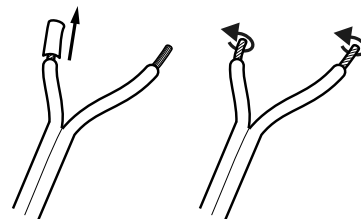
- Pull the mains plug of your AV receiver out of the socket to prevent accidental activation.
- Lay the speaker cables from your AV receiver to each speaker. These cables should be high-quality double-wire speaker cable with marked strands. A small tip: Label the cables on the receiver side – this will help when taking down and setting up the receiver.
- A connector terminal with two terminal clips is located on the back side of each speaker. Here you can connect the speaker cables directly or with pin plugs. We only describe the direct connection in these instructions.
- The terminals are each marked red (+) and black (-).



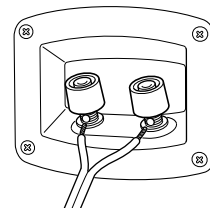
Make sure the polarity is correct!

Connect the like-coloured terminals with one another. Otherwise the sound quality will suffer. The speaker connectors of your AV receiver should have similar markings. The strands of the speaker cables are marked with different colours, shapes or labels.

1. Split the single-wire down to approx. 30 mm on both ends and strip off approx. 10 mm of insulation. Twist the core so that no strands are protruding.



2. Turn the connector terminal counterclockwise until loose. Run the stripped cable into the hole that is now visible. Turn the terminal clockwise until closed. The cable has now been clamped into place.



3. Connect the other end of the speaker cable to the front speaker outputs of your amplifier. You can find notes on this in the corresponding operating instructions.

Care and cleaning

The veneered surfaces of our speakers have a protective surface coat, which eliminates the need for wood polish.

- You can best remove dust or small amounts of dirt with a dry, smooth leather cloth.
- Rub off stubborn dirt with a damp cloth. Make sure that no liquids penetrate the speakers.
- Then immediately wipe the surfaces dry using a soft cloth and without applying pressure.

Attention Risk of damage!



Using the wrong cleaning materials may damage the delicate surface of the case.

- If possible only use lukewarm, plain water without any cleaning products. In case of stubborn marks, a mild soap solution may be used.
- In no circumstances should caustic cleaning products, white spirit, thinners, petrol or similar be used for cleaning.

Protection of the environment

Disposal of the unit



Used units must not be disposed of with household waste!

If the unit is no longer operational, every consumer is required by law to dispose of used devices separate from household waste, e. g. at a collection point run by the communal authority

borough. In this way, used devices can be recycled and waste materials disposed of in an environmentally friendly manner.

For this reason, electrical equipment is labelled with the displayed symbol.

Dimensions and weight

Dimensions (W x H x D): 163 x 260 x 188 mm

Net weight: 3.6 kg



This product conforms with Council of the European Union guidelines 2004/108/EC and 2006/95/EC.

Technical changes reserved!



For questions, suggestions or other issues please contact our customer service department:

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