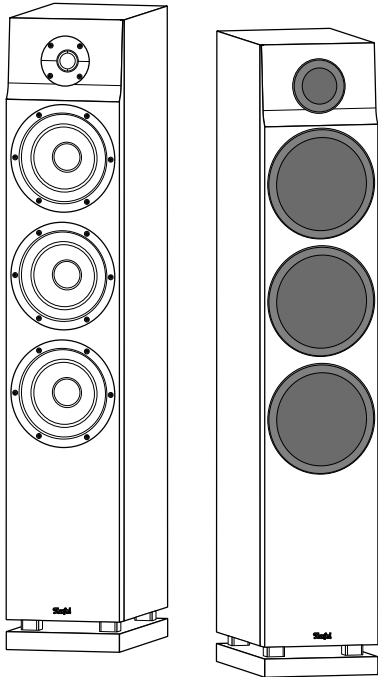


Technical description and operating instructions



**Floor Speakers
with Bi-Wiring / Bi-Amping
T 500 Mk 2
T 400 Mk 2**

Teufel

General notes and information

Proper use

Only use the speakers as described in these operating instructions. Any other use will be deemed as not in accordance with the instructions and may lead to damage of property or even persons. The manufacturer accepts no liability for damage caused by use not in accordance with the instructions. The speakers are intended for private use.



Before operating the speakers, 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.

Notice

The information in this document may change without prior notice and in no way constitutes any liability on the part of Lautsprecher Teufel GmbH. No part of these instructions may be reproduced in any form or be broadcasted in any way electronically, mechanically, by photocopy or recording without the written permission of Lautsprecher Teufel GmbH.

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 a complaint we implicitly need your invoice number and the serial or lot number for processing. The serial number can be found on the back side of the device.

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 40 (free of charge)

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

E-mail: service@teufelaudio.com

www.teufelaudio.com

Product Contents and Technical Data

Product contents	1 Floor Speaker T 500 Mk 2	1 Floor Speaker T 400 Mk 2
Dimensions incl base plate und grille (HxWxD)	1048 mm x 195 mm x 320 mm	948 mm x 163 mm x 295 mm
Net weight	23 kg	18.6 kg
Impedance	4 – 8 Ohm	4 – 8 Ohm

Technical changes reserved!

You can find further technical data on our website.



Check that all items have been delivered and that nothing is damaged. If you find damage, do not operate the device; instead contact our service department.



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

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.



Danger to hearing!

Loud noise may lead to hearing loss.

Very high noise pressure may suddenly be emitted, especially if a device is activated and set to full volume. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk.

- Set the volume control of your signal source 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 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. control knobs or plug adapters). They could swallow the parts and choke. Never allow children to operate electrical devices unsupervised.

Danger Danger of injury/damage!



Incorrect location may result in damage.

- Never use the speakers unmounted in vehicles, in unstable locations, on wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The speakers could tip or fall down and cause injury to persons or be damaged.
- Only place the speakers on the floor.
- Arrange the speakers so that they cannot be knocked over accidentally and make sure that the cables do not pose a trip hazard.
- Exactly adhere to the assembly instructions.
- Only use the enclosed base plate.
- Do not place the speakers 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.
- Ensure sufficient ventilation.
- Do not place the unit in direct sunlight.
- Only use the unit in indoor areas.
- Do not use the unit in damp areas and protect it from drops of water and splash water. Also take care not to stand vases or other containers filled with liquid on or near the speaker in order to avoid liquid getting into the case.

Unpacking, Setup and Connection

Unpacking

- Carefully open the boxes, remove the speakers together with the EPE foam parts and remove the foam parts without touching the diaphragms.

Setup

Note

Our website contains comprehensive notes for correct setup.

- 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.
- Make sure that the speaker has a stable position to prevent vibrations.

Removing the protective grids

The protective grids are secured by magnets on the front of the speaker and can be easily removed. When the protective grids are removed, high frequency output becomes clearer in particular.

To remove the protective grids, reach behind them and slowly pull them off to the front.

Attention Risk of damage!



Make sure that you do not touch the highly sensitive diaphragms.

Connection

Connection variations

In addition to a standard connection, where every speaker column is connected to the amplifier/AV receiver with a cable, you can also choose the variants "Bi-Wiring" or "Bi-Amping".

Standard connection

With this connection, the speakers are connected like conventional speakers with one double-strand speaker cable each. The contact bridges between the connector terminators may not be removed in the process. You can connect the speaker cables accordingly to the top or bottom terminals.

Bi-Wiring

With Bi-wiring, the speaker is connected to the final amplifier/AV receiver via two separate speaker cables for the low and medium-range branch. Decoupling speaker systems this way can improve the sound.

Bi-Amping

Here, the low and medium-range branch is supplied by the amplifier's/AV receiver's own power amplifier. Connect a speaker cable with two strands to each power amplifier and connect this cable with the upper or lower connector terminals of the speakers. Advantage: Improved performance and sound quality.

Connecting the cables

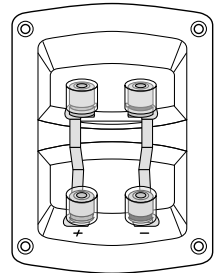
Gefahr Danger of injury/damage!



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

1. Turn off your amplifier/AV receiver.
2. Lay the speaker cables from your amplifier/AV receiver to each speaker. These cables should be high-quality double-wire speaker cable with marked strands.

3. A connector terminal with four terminal clips is located on the back side of the speakers. Here you can connect the speaker cables directly or using pin plugs. We only describe the direct connection in these instructions. The terminals are each marked in red (+) and black (-).



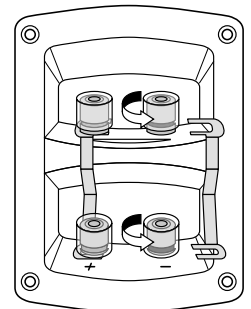
Make sure the polarity is correct!

Connect the same-colour terminals of your speakers and amplifier/AV receiver with each other.

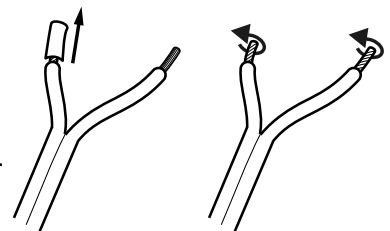
Otherwise the sound quality will suffer. The individual single wires of the speaker cables are marked with different colours or shapes to facilitate the process.

4. You only have to remove the contact bridges when using Bi-Wiring or Bi-Amping:
To do so, turn the connector terminals counterclockwise until loose and then pull the contact bridges out.

The top terminals lead to the high range and midrange speakers, the bottom terminals lead to the low range speakers.

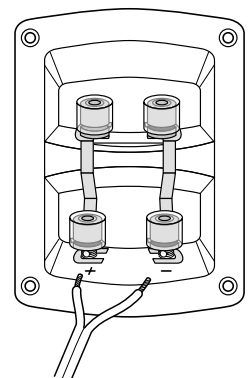


5. Split the single wire down to approximately 30 mm on both ends and strip off approximately 10 mm of insulation on each end. Twist the single wire together so that no strands are protruding.



6. Turn the connector terminal counterclockwise until loose. Run the stripped cable end into the now visible hole. Close the terminal by turning it counterclockwise. The cable is now securely clamped in place.

7. Connect the other end of the speaker cables to your amplifier/AV receiver. The operating instructions of the appliance should contain notes on this.



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 plain water without any additives. 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.

Troubleshooting

The following notes and further detailed **information on our website** should help you to rectify malfunctions. If this does not lead to success, please contact our hotline ☎ 00800 - 200 300 40 (free of charge). Please also observe the warranty notes.

Problem	Possible cause	Solution
Playback is noisy.	In general, the speakers are very low-noise. In most cases, the speaker system with exceptional resolution in the high range area can expose the poor quality of a signal source (e.g. from MP3 files).	Ensure that the source is sending a clear signal.
The sound seems dull.	The speakers have been connected with the wrong poles.	Verify the correct connection of the cables for all speakers.

Protecting 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 separately from household waste, e.g. at a collec-

tion point run by the communal authority borough. In this way it is ensured, that used devices are properly recycled and that negative consequences on the environment are avoided. For this reason, electrical equipment is labelled with the displayed symbol.

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