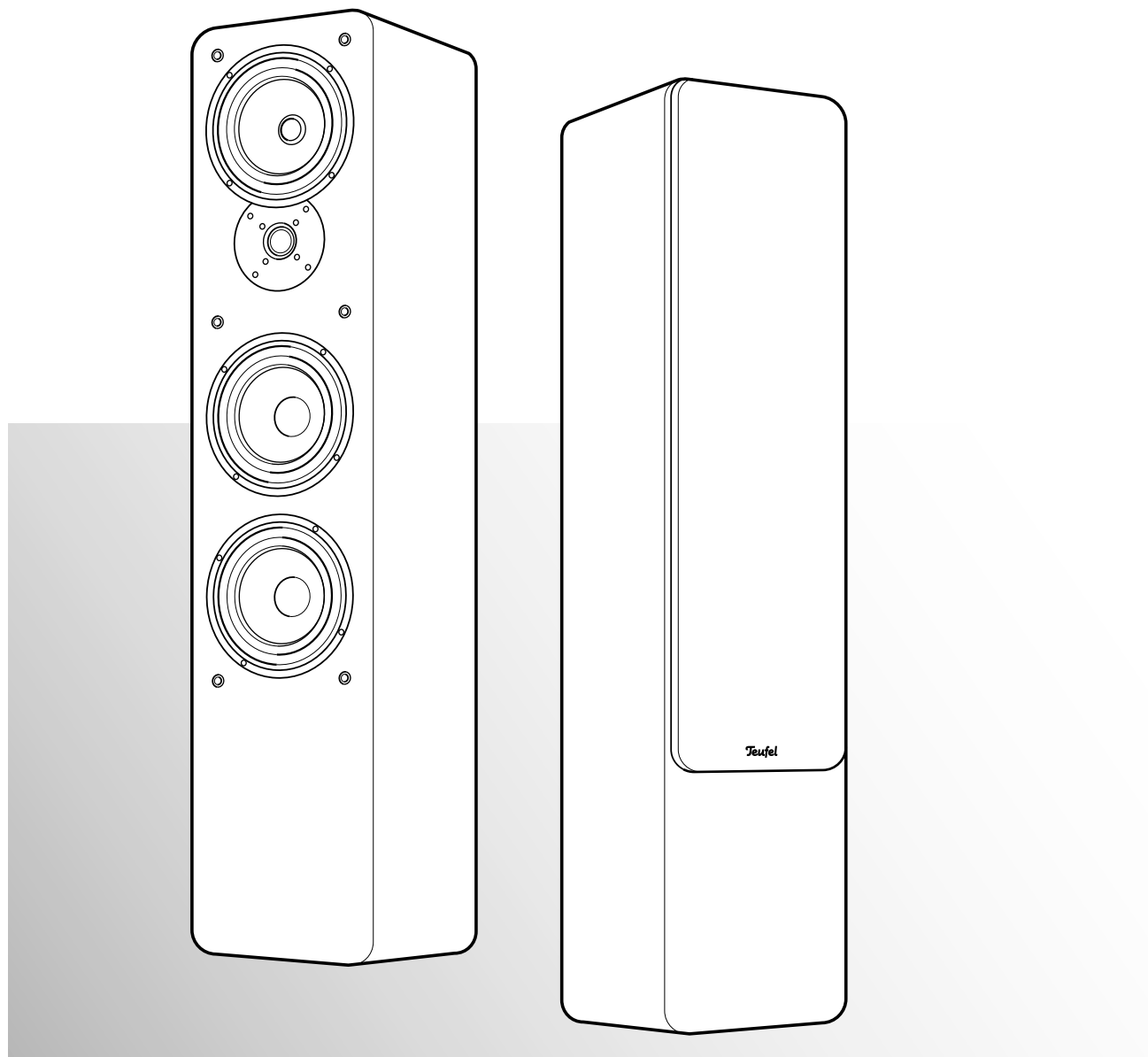


Technical description and operating instructions



Ultima 40

Stereo Floor Speakers

Teufel

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General notes and information

Notice

The information in this document may be changed without prior notice and in no way constitutes any liability on the part of Lautsprecher Teufel GmbH.

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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 the speakers 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

Found on the back of the device, 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)

Tel.: 00800 - 200 300 40 (free of charge)

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

www.teufelaudio.com

Proper use

Only use the speakers as described in these 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 speakers are intended for private use.



Before using the speakers for the first time please first 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 used 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. control knobs or plug adapters). They could swallow the parts and choke. Never allow children to use electrical devices without supervision.
-

Danger Danger to hearing!

Loud noise may lead to hearing loss. Particularly if a subwoofer on full volume in »Standby/Auto On« mode is switched on by a bass beat, sudden very high sound pressure may result. This may cause physical and psychological damage. Children and pets are at particular 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!

Selecting an incorrect location may result in damages.

- Never use the unit unmounted in vehicles, in unstable locations, on wobbly tripods or furniture, on underdimensioned brackets etc. The speakers could tip or fall down and cause injury to persons or be damaged.
 - Arrange the speakers so that they 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. Check the carrying capacity of the walls.
 - Do not use the speakers if the housing or the connector cables are defective or if they exhibit any other visible damages.
 - Only use the speakers indoors.
 - Do not use the speakers in moist areas and protect it from water drops and splashes. Ensure that no vases or other vessels filled with liquid are placed on or near the speakers to prevent the housing from being penetrated by liquid.
 - Do not place the speakers near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).
-

Unpacking and setup

Open the boxes carefully, take out the half shell EPE packaging foam and carefully lift the speaker out of the box without touching the diaphragms.



Connector cable

Due to differing customer requirements, the Ultima 40 series is shipped without connector cables. 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 speakers, instead contact our service department (see page 3).

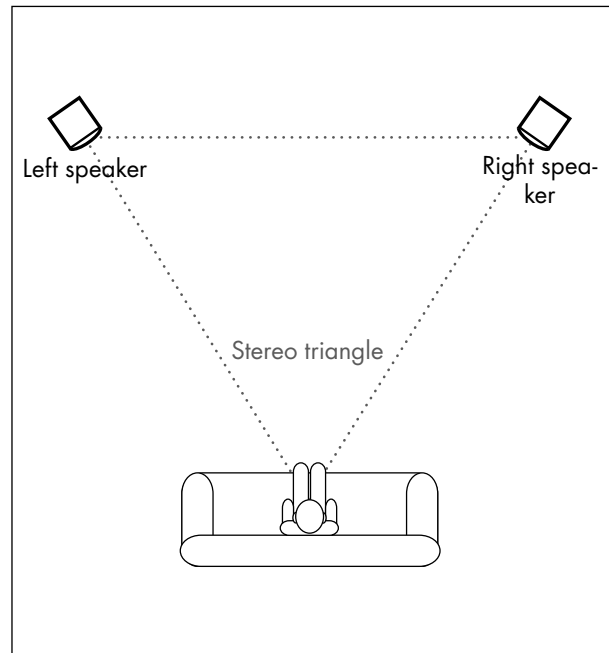
Location tips

- 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 information concerns an "ideal listening room", where the listener sits in a central position at an adequate distance in front of the speakers (see the adjacent graphic) and there are no objects between the listener and speakers (tables or the like). Unfortunately, available space, furnishing or other circumstances may not always allow for an optimum arrangement.

Modern amplifiers offer a variety of possibilities for electronically compensating losses associated with the arrangement. The following generally 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!

The speakers should be situated to the left and right of the listener and if possible, 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 straight into the room or be arranged slightly towards the listener.



Removing the protective grids

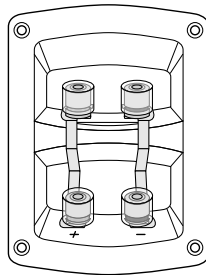
You can remove the protective grids from the speakers by carefully reaching behind the protective grid and slowly pulling it off to the front.

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

Connecting

Connection variations

A connector terminal with four terminal clips is located on the back of each speaker. You can connect the speaker cables using pin plugs or directly. We only describe the direct connection here. The terminals are each marked red (+) and black (-).



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

Standard connection

With this connection, the Ultima 40 speakers are connected like conventional speakers with one 2-strands speaker cable each. The contact bridges between the connector terminals may not be removed in the process; you can connect the cables accordingly to the top or bottom terminals.

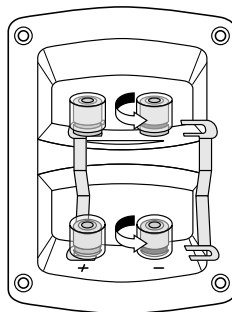
Bi-Wiring

For this, the high and midrange speakers are connected with one speaker cable and the two low range speakers are connected with a second speaker cable.

Bi-Amping

For this, the high/midrange and low range speakers have their own amplifiers.

You only have to remove the contact bridges when using Bi-Wiring or Bi-Amping: Turn the connector terminals counterclockwise until loose and then pull out the contact bridges. The top terminals lead to the high range and midrange speakers, the bottom terminals lead to the low range speakers.



Connecting the cables

Danger Danger of injury/damage!



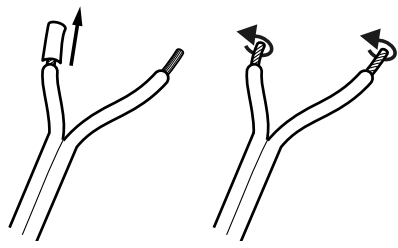
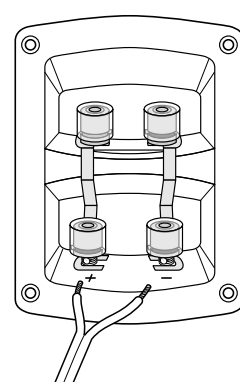
Arrange the cables so that they do not pose a trip hazard.

1. Turn off your amplifier.
2. Lay the speaker cable from your amplifier to each of the speakers. This cable should be a high-quality double-wire speaker cable with marked strands. The cross-section should amount to at least 1,5 mm².



Make sure the polarity is correct!

Connect the like coloured terminals of your speakers and amplifier with one another. Otherwise the sound quality will suffer. The individual strips of the speaker cables are marked with different colours or shapes to facilitate this.

3. Split the single-wire down to approx. 30 mm on both ends and strip off approx. 10 mm of insulation on each of them. Twist the stripped ends of the single-wire together so that no strand is protruding.
4. Turn the connector terminals counterclockwise until loose. Run the stripped ends of the single-wire into the holes that are now visible. Close the terminals by turning them clockwise. The cable has now been clamped in place.
5. Connect the other end of the speaker cables to your amplifier. 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 liquid penetrates 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 use only plain, lukewarm water with no 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.

Protecting the environment

Disposing 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 author-

ity 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.

Technical data

Impedance	4 ohm
Power handling	120 watts (longterm), 200 watts (shortterm)
X-over frequency	540 Hz, 2900 Hz
Low range speakers	165 mm
Midrange speakers	165 mm
High range speakers	25.4 mm
Volume	52 litres
Dimensions (W x D x H)	215 mm x 325 mm x 1000 mm
Net weight	17,5 kg

Technical changes reserved!



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

Teufel

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

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