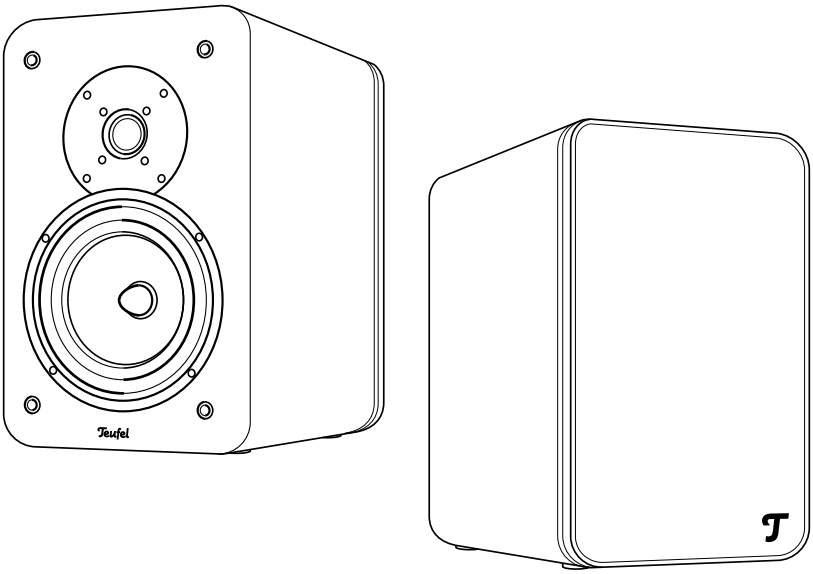
Technical Description and User Manual



ULTIMA®

ULTIMA 20 MK4

Stereo bookshelf speakers

Teufel

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Before operating the speakers, please read the safety notes and user manual carefully. Only in this way, you can ensure that all functions are used in a safe and reliable manner. Store the user manual in a safe place and also be sure to pass it on to any subsequent owner.

General Notes and Information

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.

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Original packaging

If you wish to exercise your right of return, we ask that you be absolutely sure to hold on to the packaging. We can only accept the return of the speakers WITH THE ORIGINAL PACKAGING.

Empty boxes are not available!

Complaints

In case of a 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 or batch number

Located on the back side of the device, e.g. serial no.: KB20240129A-123.

Thank you for your support!

Contact

Please contact our customer service with any questions, suggestions or criticism:

Lautsprecher Teufel GmbH
BIKINI Berlin
Budapester Str. 44
10787 Berlin (Germany)

Phone 00800 - 200 300 40 (toll-free)

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

Service:
www.teufelaudio.com/service

Contact:
www.teufelaudio.com/contact

For Your Safety

Proper use

The speakers are designed for the playback of audio signals that are transmitted by an external amplifier via a speaker cable.

Only use the speakers as described in this user manual. 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 improper use.

The speakers are intended for domestic use.

Explanation of terms

You will encounter the following signal terms in this user manual:

⚠ WARNING

This signal term indicates a moderate risk, which, if not avoided, may result in death or severe injury.

⚠ CAUTION

This signal term indicates a low risk, which, if not avoided, may result in minor or moderate injury.

NOTICE

This signal term warns you of potential damage.

Unpacking and Setup

Unpacking

- Carefully open the boxes, take out the EPE foam parts and carefully lift the speakers out of the box without touching the diaphragms.

Due to differing customer requirements, the ULTIMA 20 speakers are shipped without speaker cables. You can find suitable cables in our webshop (www.teufelaudio.com) in the "Accessories" area.

NOTICE

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

Location tips

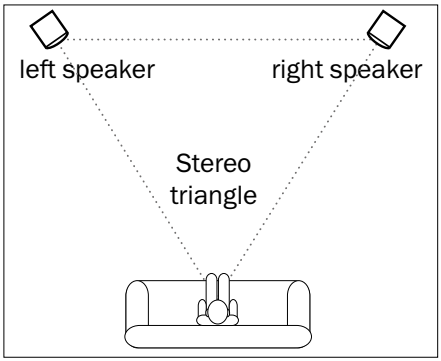
– Select a stable, level base.
– Make sure that the environment is clean and free from dust.
– Select a location away from heat sources and direct sunlight.
– Lay the connector cords so that they do not pose a tripping hazard.
– Do not place any heavy objects on the cables or the speakers.

Positioning the speakers

The following data concern an "ideal listening room", in which the listener sits in a central position at a sufficient distance in front of the speakers (see the 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) decide!

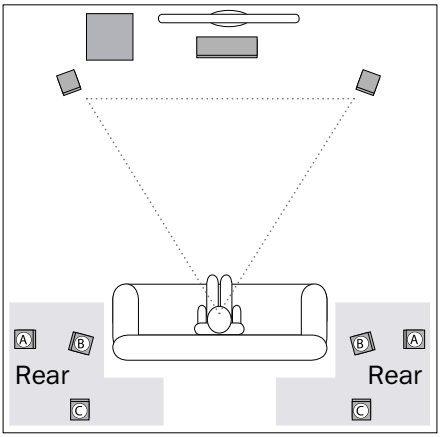
Use as front speakers



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.

For example, shelves or sideboards are very well suited as a setup location for the speakers.

Use as rear speakers



The rear speakers are set up or hung to the side of or behind the listener at a height of 1.20 m to 2.10 m (see the grey areas in the graphic).

The ideal position is offset by approx. 20 degrees from the parallel position to the listener on the left and right side Ⓐ. It is generally recommended that the distance of the rear speakers to the hearer's place exceeds one metre. However, if you (need to) sit closer, please ensure that the front sides of the speakers is not directly facing you. Rather, the speakers must be angled towards the wall Ⓑ.

Alternatively, you can create a greater distance by placing the speakers higher than 1.20 m (e.g. also on the ceiling) or further away Ⓒ.

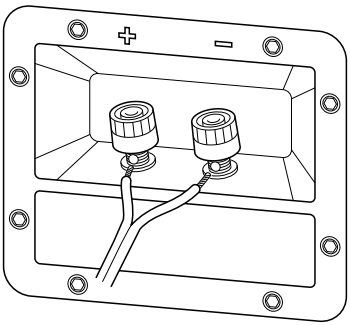
Connecting

⚠ CAUTION

Risk of tripping!

– *Lay the cables so that they do not pose a tripping hazard.*

1. Switch your AV receiver or multi-channel active subwoofer off.
2. Lay one speaker cable from your AV receiver or multi-channel active subwoofer to each speaker. Use a high-quality double wire speaker cable with marked strands for this. The cross-section should amount to at least 1.5 mm.



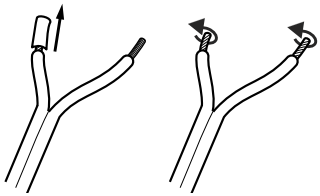
A connector terminal with two terminals is located on the back of each speaker; the speaker cable must be attached to them.

The terminals are each marked red (+) and black (-).

NOTICE

Make sure the polarity is correct!

– *Connect each of the like coloured terminals of your speakers and your amplifier with one another; otherwise the sound quality will suffer. To facilitate this, the individual single wires of the speaker cables are marked with different colours or shapes.*



3. Split the single wire down by approx. 30 mm on both ends and remove approx. 10 mm of insulation each.
4. Twist the stripped wire ends so that no strands are protruding. Tin coating is not necessary.
5. Turn the connector terminal counterclockwise until loose. Run the stripped cable end into the now visible hole. Close the connector terminal by turning them clockwise. The cable has now been clamped in place.

6. Connect the speaker cable to your AV receiver or multi-channel active subwoofer. You should be able to find corresponding notes in the user manual of your device.

Removing the protective grids

You can take the protective grids off of the speakers by carefully reaching behind the protective grids and slowly pulling them off to the front.

By removing the protective grid, especially high frequencies will sound clearer.

When putting the protective grids on, please make sure that the installation pins slide directly into the corresponding jacks on the speaker.

Wall mounting

Wall mounting is also possible. For this purpose appropriate holders are available in our webshop (www.teufelaudio.com) in the “Accessories” area. They are mounted using the M6 threaded hole located in the speaker base.

It also serves to fix corresponding speaker stands, which you can also purchase in our webshop.

Care and Cleaning

The veneered surfaces of our speakers have a protective surface coat so they no wood polish is necessary.

NOTICE

External influences may damage or destroy the device.

– *If possible, only use plain water without any additives. In case of stubborn marks, a mild soap solution may be used.*

– *Do not use caustic cleaning products, white spirit, thinners, petrol or similar under any circumstances. Such cleaning agents may damage the delicate surface of the housing.*

- Ideally, you should 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 with a soft cloth without applying pressure.

Technical Data

Impedance:	4–8 Ohm
Sinus power:	40 Watt (longterm), 80 Watt (shortterm)
Recommended cross-over frequency when using a subwoofer:	65 Hz
X-over frequencies:	2800 Hz
Low-range speaker:	165 mm
High-range speaker:	25,4 mm
Volume:	10,5 Liter
Dimensions (W × D × H):	215 mm × 251 mm × 335 mm
Net weight:	6,2 kg

You can find further technical data on our website.
Technical changes reserved!

Declaration of Conformity

CE

Lautsprecher Teufel GmbH declares that this product complies with the relevant European and national directives. The full text of the CE Declaration of Conformity can be found at this web address:

www.teufel.de/konformitaetserklaerungen
www.teufelaudio.com/declaration-of-conformity

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