Technical description and user manual
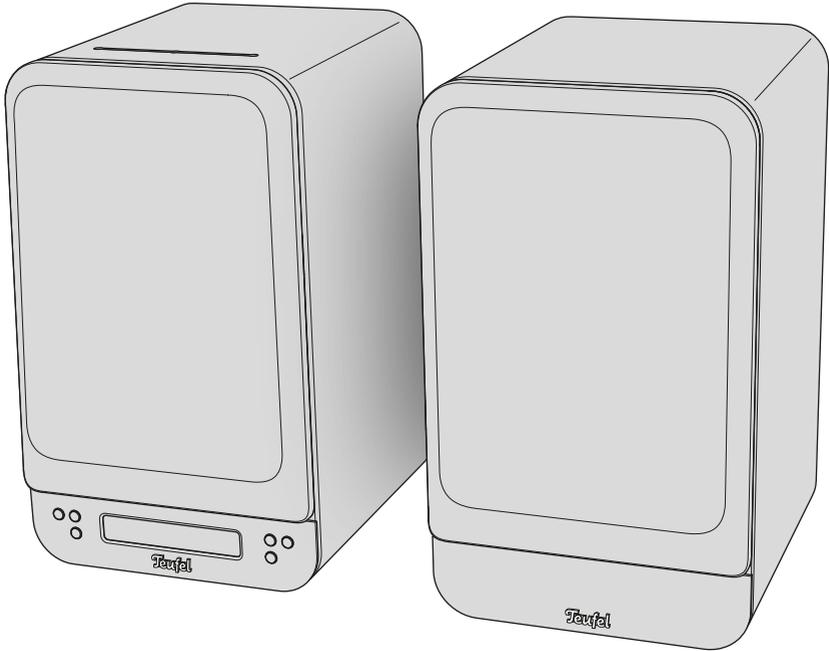
ULTIMA 25 AKTIV

Active loudspeaker set with integrated DAB+/FM receiver, Bluetooth and HDMI

Teufel

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Basic notes and information

For your information

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Teufel ULTIMA 25 AKTIV UM EN V1.0.1 PD

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dab+

As a further development of DAB (Digital Audio Broadcasting), DAB+ is used for transmitting digital audio radio signals over aerial.

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Original packaging

If you wish to make use of your right of return, we must ask you to keep the packaging.

We can only take back loudspeakers in their original packaging.

Empty cardboard boxes are not available.

Complaints

In the event of a complaint, we absolutely require the following information for processing:

1. Invoice number

► Please refer to the proof of purchase (enclosed with the loudspeaker), or the order confirmation that you received as a PDF document.

2. Serial number

► Refer to the rear of the speaker.

Contact

If you have any questions, suggestions or criticisms, please contact us at:

Lautsprecher Teufel GmbH
BIKINI Berlin
Budapester Straße 44
10787 Berlin (Germany)

Tel.:

Germany: +49 (0) 30 217 84 217
Austria: +43 12 05 22 3
Switzerland: +41 43 50 84 08 3
International: 0800 200 300 40 (toll-free)
Telefax: +49 (0)30 300 930 930

Online support:
www.teufelaudio.com/service
www.teufel.de/service

Contact:
Germany:
www.teufel.de/kontakt

International:
www.teufelaudio.com/contact

Safety

Intended use

The ULTIMA 25 AKTIV loudspeaker set consists of an active and a passive loudspeaker.

The loudspeakers are used for playing the audio signals of connected external players (Bluetooth® or cable connection) and (DAB+/FM) radio.

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

Any other use is deemed to be improper and may result in material damage or even personal injury.

The manufacturer accepts no liability for damage caused by improper use.

The loudspeakers are intended for use in the private domain.

Before starting up the loudspeaker:

► Read the user manual and safety booklet carefully.

► Keep the instructions in a safe place so that they can be passed on to third parties.

  ► When passing on the loudspeaker, also pass on the instructions.

Explanation of warnings

Handling-related warnings precede handling steps that may result in a hazard.

The warnings are grouped into different risk categories depending on the seriousness of the respective hazard.

The hazard levels with the corresponding signal words are explained below.

ATTENTION

Possible material damage.

ⅰ NOTE

Additional information and tips.

Scope of supply

Unpacking the loudspeakers

▶ Open the box carefully, remove the EPE foam half-shell and carefully lift the loudspeaker out of the box.

Checking the scope of supply
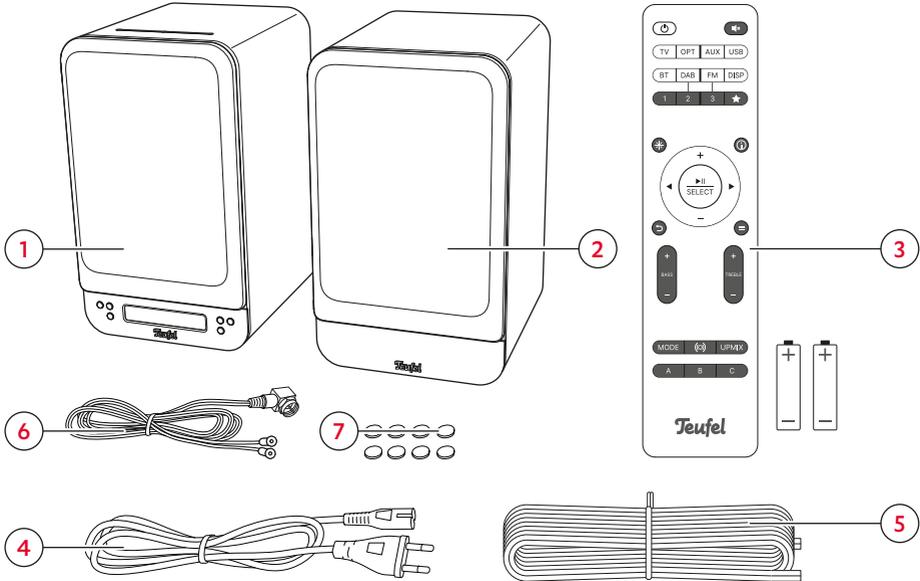
Scope of supply

(1) "ULTIMA 25 AKTIV" Active loudspeaker UL 25 ACTIVE
(2) "ULTIMA 25 AKTIV" Passive loudspeaker UL 25
(3) Remote control including batteries* (2× LR03 AAA, 1.5 V)
(4) Network cable
(5) Loudspeaker cable, 18 AWG, 3,5 m
(6) DAB/FM aerial
(7) 8× self-adhesive resonance absorbers

* Insert the batteries for operating the remote control into the remote control prior to first use.

▶ Check the scope of supply for completeness.

▶ Check the scope of supply for damage.

▶ Keep the original packaging during the warranty period.

Operating and display elements

Operating panel
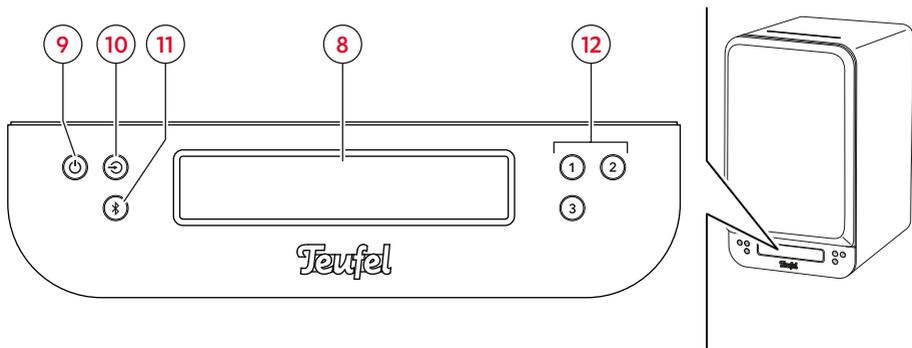
Operating panel on the front of the active loudspeaker

No.	Designation	Function
(8)	Display panel	Displays menu and info texts for the respective operating situation

ℹ **NOTE**

Menu and info texts are displayed in the display panel **(8)** depending on the operating situation. The chapters on the corresponding loudspeaker functions explain the meanings of the different displays in the respective operating situations.

Legend (actuation):
🔴 = press 1×

1.5 s = hold down (for 1.5 s)
HOLD = press and hold

No.	Button	Function	Actuation
(9)	⏻	POWER button → *Switching on and off – p. 19*	🔴
(10)	⏏	SOURCE button → *Setting the cable-connected external player or radio as the playback source – p. 19*	🔴
(11)	❋	BLUETOOTH® button → *Setting Bluetooth® as the playback source – p. 19*	🔴
		→ *Pairing Bluetooth® devices – p. 22*	**1.5 s**
		→ *Deleting the Bluetooth® list – p. 23*	**HOLD**
(12)	**1|2|3**	PRESET buttons → *Setting the station (PRESETs) (DAB+/FM) – p. 25*	**HOLD**
		→ *Saving station (PRESETs) (DAB+/FM) – p. 25*	🔴

Touch slider
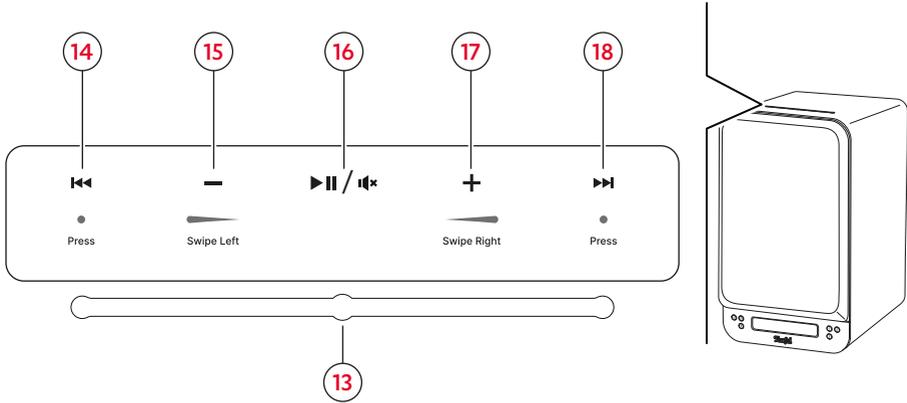
Touch slider with operating display

No.	Designation	Function
(13)	Touch slider	Additional control option for standard commands (see below)

ℹ️ NOTE

The touch slider on the top of the loudspeaker serves as an additional control option for adjusting the volume, Play/Pause and Forwards/Backwards. The touch slider can be activated / deactivated via the menu.

Legend (actuation)
● = press ×1

━━ = swipe from right to left
━━ = swipe from left to right

No.	Button / area	Function	Actuation
(14)	⏮	Replay track/play previous track	●
(15)	— (Area)	Lower the volume	━━
(16)	▶❚❚ / 🔇	Play/Pause/Mute	●
(17)	✛ (Area)	Increase the volume	━━
(18)	⏭	Next track	●

Remote control

⏻ **(19)** **Power / Standby**
Switch loudspeaker On/Off.
(→p.19)

🔇 **(20)** **Muting**
Activate/deactivate muting.
(→p.21)

TV **(21)** **Source: TV**
Playback from TV source device connected to HDMI TV ARC **(45)**. (→p.19)

OPT **(22)** **Source: Optical**
Playback from source device connected to OPTICAL IN **(46)**. (→p.19)

AUX **(23)** **Source: AUX**
Playback from analogue source device connected to AUX IN L/R **(47)**. (→p.19)

USB **(24)** **Source: USB-sound card**
Playback from digital source device (e.g. computer) connected to USB **(44)**. (→p.19)

BT **(25)** **Bluetooth®**
Playback from a wireless Bluetooth® device. (→p.19)
Press (1×):
Change to Bluetooth®.
Press and hold (for 1.5 s):
Activate pairing.
Press and hold (for 8 sec.):
Reset all Bluetooth® settings.

DAB **(26)** **Source: DAB+**
DAB radio playback.
(→p.19)

FM **(27)** **Source: FM**
FM radio playback.
(→p.19)

DISP **(28)**
Change display (info text) during DAB/FM playback.
(→p.26)

1|2|3 **(29)** **PRESET buttons**
Play saved radio station.
(→p.25)

★ **(30)** **List of favourites**
Open list with saved radio stations. (→p.25)
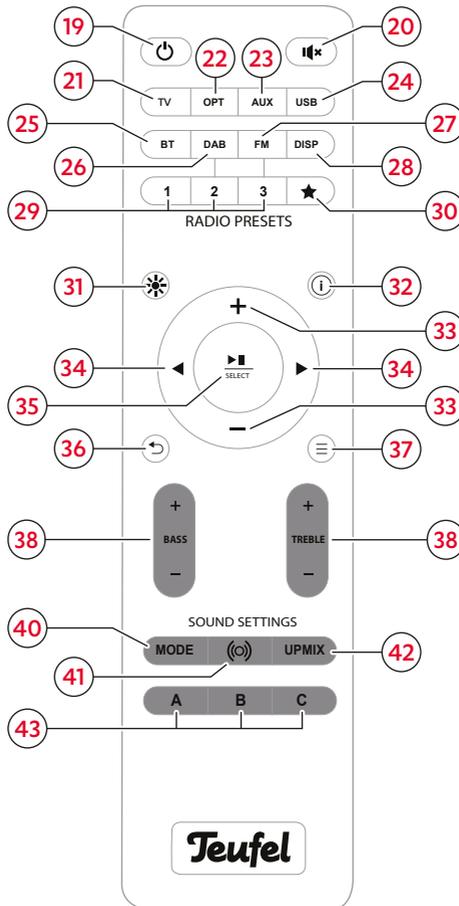
❄ **(31)** **Screen brightness**
Set screen brightness.
(→p.33)

ⓘ **(32)** **INFO**
Query current (main) settings. (→p.21)

+/− **(33)** **Increase/ Reduce**
Increase/reduce volume. (→p.21)
Menu control:
Up/down. (→p.27)

◄/► **(34)** **Previous/Next**
For Bluetooth playback, switch to previous/next track. (→p.22)
(DAB+/FM) radio station search: Back/Forwards (→p.24)
Menu control:
Back/Forwards (→p.27)

►II / SELECT **(35)** **Play / Pause and Confirm**
Pause/restart playback.
(→p.21)
Menu control: Confirm.
(→p.27)

↰ **(36)** **Back**
Menu control: Back
(→p.27)

☰ **(37)** **Menu**
Open menu. (→p.27)

BASS +/− **(38)**
Increase/reduce bass tones.
(→p.30)

TREBLE +/− **(39)**
Increase/reduce treble.
(→p.30)

MODE **(40)** **Sound modes**
Set required sound mode.
(→p.30)

((o)) **(41)** **Dynamore® Center**
Activate/deactivate Dynamore® Center.
(→p.30)

UPMIX **(42)** **Upmix-function**
Set playback option for changing stereo content.
(→p.31)

A|B|C **(43)** **Sound profile**
Set required sound profile.
(→p.31)

Overview of remote control functions

Connections
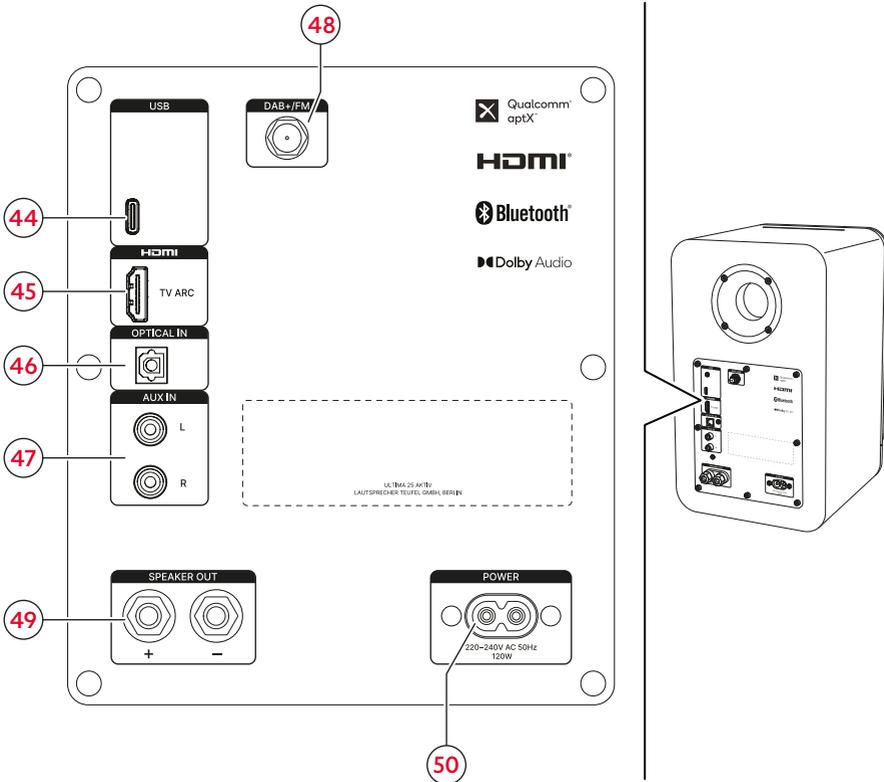
Connections on the back of the Active loudspeaker

No.	Connection	Function	
(44)	**USB**	→ *Connecting a PC – p. 16*	→ *Connecting cable-connected external players – p. 16*
(45)	**HDMI** TV ARC	→ *Connecting a TV – p. 16*	
(46)	**OPTICAL IN**	→ *Connecting a TV – p. 16*	
(47)	**AUX IN** L/R	→ *Connecting the stereo system – p. 17*	
(48)	**DAB+/FM**	→ *Radio reception aerial (DAB+/FM) – p. 17*	
(49)	**SPEAKER OUT** +/-	→ *Connecting the Passive loudspeaker – p. 14*	
(50)	**POWER**	→ *Mains connection – p. 17*	

Preparation

Attaching the resonance absorbers

► Stick the resonance dampers **(7)** on the bottom of the loudspeakers.
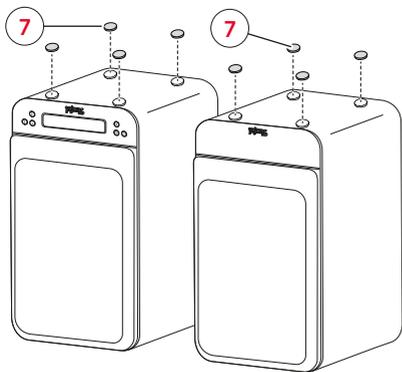
Attaching the resonance absorbers

Removing / mounting the protective covers

► To remove, carefully reach behind the protective covers **(51)** and gently pull them forward off the loudspeakers.

☑ **The protective covers have been removed.**

► When mounting the protective cover **(51)**, make sure that the mounting pins slide exactly into the corresponding sockets on the loudspeaker.

☑ **The protective covers have been mounted.**
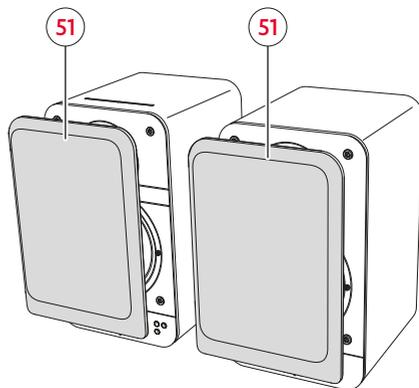
Removing / mounting the protective covers

Set-up and connection

Material damage due to improper installation!

If a loudspeaker is brought into a warm room from the cold (e.g. after transport), condensation can form inside it. At very high volumes and bass-heavy music, the loudspeaker may move due to vibrations.

► Wait at least 2 hours before connecting and operating the loudspeaker if condensation may have formed on the inside.

► Do not place any objects on the speaker.

ⅰ NOTE

You can purchase assembly material specifically designed for these loudspeakers (cable, support feet, wall bracket and resonance absorbers) from our web store ("Accessories" area).

ⅰ NOTE

First plan how you are going to set everything up (with all loudspeakers) and plan all cable runs. Only cut the loudspeaker cable down to the required length once you have set up all the components in the right place.

1. Carry the loudspeaker carefully to the place of installation.
   → *Notes on the place of installation – p. 13*

2. Place the loudspeakers on a stable and level surface or mount with the wall bracket.

   ► Make sure that the loudspeakers are resting firmly in a stable position to prevent vibrations.

☑ **The loudspeakers are in position.**

Notes on the place of installation

- Dry, dust-free environment.
- Sufficient ventilation.
- Avoid proximity to heat sources and direct sunlight.
- Connection cables must not cause a trip hazard.

Positioning / arranging the loudspeakers

ⅰ NOTE

The following information on positioning or arranging the loudspeakers relates to the "ideal audio space" where the listener is sitting at a sufficient distance centrally in front of the loudspeakers with no objects (e.g. table) in between (→ *„Set-up in the room (example)"*). If the room, equipment or other factors are preventing you from placing the loudspeakers in an optimum position, try experimenting with different positions or arrangements, based on the following information, to see where the loudspeakers work best, both visually and acoustically.
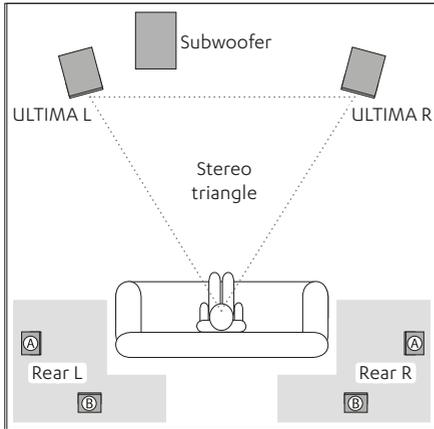
Set-up in the room (example)

- Where possible, position both loudspeakers or attach them to the wall at an equal distance (right/left) from the listener.
- Where possible, the loudspeakers should form a triangle with the listener ("stereo triangle": distance from listener = distance between loudspeakers).
- Depending on the loudspeaker and the place of installation, it can be a good idea to orientate the loudspeaker at an angle towards the listening position.

Subwoofer (optional)

- It is up to you to decide where to position the subwoofer as this has no influence on the other loudspeakers.
- A position between the stereo loudspeakers tends to be ideal.
- Do not position the subwoofer in a corner of the room as this runs the risk of the frequency being increased in an uncontrollable manner.

Rear loudspeaker (optional)

▶ Set up the rear loudspeaker inside the grey areas (→ *„Set-up in the room (example)"*).

Variant A: Rear loudspeakers should be set up or attached to the wall at head height (140–210 cm) at the side of the listener. The distance to the rear wall should be at least 50 cm.

Variant B: You can also set up the rear loudspeakers behind the listener at a height of between 140 and 210 cm. Experiment with different audio previews to find the optimum distance.

Connecting the Passive loudspeaker

> **i** **NOTE**
>
> You can connect the loudspeaker cable (5) directly to the Active and Passive loudspeakers or by means of jack plugs. Just the direct connection is explained below.

> **i** **NOTE**
>
> When connecting the loudspeakers, observe correct polarity: Always connect the same colour terminals otherwise the sound quality will suffer.

1. Run the loudspeaker cable from the Active loudspeaker to the Passive loudspeaker.

2. Strip the loudspeaker cable at both ends over a length of approx. 30 mm, and remove approx. 10 mm of insulation from each end.

► Twist the stripped cable ends so that no wires are sticking out.
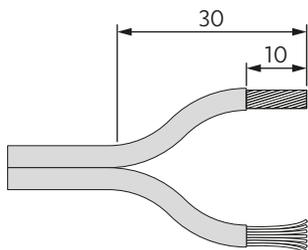
Preparing the loudspeaker cable

3. Connect the loudspeaker cable to the connection **(52)** of the Passive loudspeaker.

To do so, loosen the connection terminals (turn them in an anti-clockwise direction), feed the stripped cable ends into the holes that are now visible, and then tighten the connection terminals up again (clockwise). Tightening the connection terminals clamps the cable ends.

► Make sure that no insulation gets clamped with the cable ends.
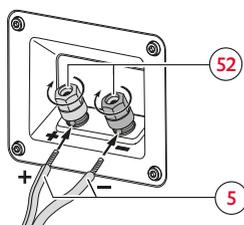
Connection terminals on the Passive loudspeaker

4. Following the same principle, connect the other end of the loudspeaker cable to the SPEAKER L/R connection **(49)** of the Active loudspeaker.

5. The (left/right) position of the loudspeaker can be defined at a later stage in the "Loudspeaker" menu.
→ *Set loudspeaker position (L/R) – p. 32*

Connecting the subwoofer / rear loudspeaker (optional)

To use the ULTIMA 25 AKTIV within a sound system, connect the loudspeaker to a radio subwoofer in a 2.1 configuration. For a 4.1 configuration, connect two rear loudspeakers to the ULTIMA 25 AKTIV, in addition.

► Connect the radio subwoofer or rear loudspeaker wirelessly to the ULTIMA 25 AKTIV.
→ *Pairing five loudspeakers (Rears/ Subwoofer) – p. 32*

► The required parameters for use as a sound system can be set later via the menu.
→ *Calibrate loudspeaker (set channel level) – p. 32*
→ *Setting loudspeaker distance – p. 33*
→ *Phase – p. 33*

Connecting cable-connected external players

ℹ NOTE

You can find a suitable cable for connecting cable-connected external players in our web store.

Connecting a PC

- Connection: USB **(44)**
- Cable required: USB data cable (USB C).
- Set up configurations in the PC system controls:
  Windows 7, 8 and 10, as well as Mac OS X from version 10.5 onwards, do not require driver software for playback from the PC. When making the USB connection, the operating systems recognise the ULTIMA 25 AKTIV as "USB Advanced Audio Device".

  On the ULTIMA 25 AKTIV, only adjust the amplifier volume, all other settings are controlled on your PC.

Connecting a TV
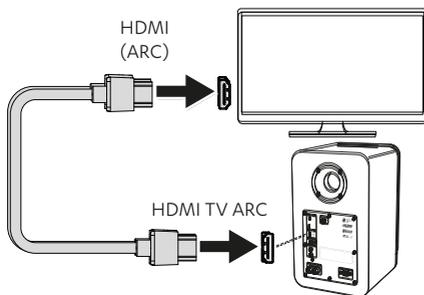
Illustration of HDMI (TV ARC) connection

- Connection: HDMI TV ARC **(45)**
- Cable required: HDMI cable
- With the ARC (Audio Return Channel) HDMI function, the TV sound is output via HDMI. On certain TVs, the ARC function must be activated in the menu and usually only one HDMI port is ARC-capable (see TV's operating instructions). If your TV has an ARC capable socket, connect it to the HDMI TV port via an ARC-capable HDMI cable (→ „*Illustration of HDMI (TV ARC) connection"*).
- With the CEC (Consumer Electronics Control) HDMI function, control commands are exchanged between connected devices, i.e. you can centrally control all connected CEC-enabled devices (e.g. switch on, standby, volume). When a device starts, all connected devices switch on at the same time and automatically find the right channel.
  Ideally, you only need one remote control. You can activate / deactivate the loudspeaker's CEC function via the menu.
  Menu path: System ▶ Advanced ▶ TV Stdby ▶ On/Off.

If your TV does not support the ARC HDMI function, as an alternative – and depending on the equipment – you can use the digital OPTICAL IN **connection (46)** or the analogue AUX IN L/R **connection (47)** to connect the TV to the loudspeaker.

- Connection: OPTICAL IN **(28)**
- Cable required: Optical cable with TOSLINK connector

- Connection: AUX IN **(29)**
- Cable required: "Cinch to 3.5 mm Jack line" stereo cable or Cinch cable.
- Correctly set the TV's configuration (channel layout, bass management, etc.).

Connecting the stereo system

- Connection: AUX IN **(29)**
- Cable required: "Cinch to 3.5 mm Jack line" stereo cable or Cinch cable.
- Correctly set the TV's configuration (channel layout, bass management, etc.).

Radio reception aerial (DAB+/FM)

▶ Connect the DAB/FM aerial **(6)** to the **DAB+/FM connection (48)**.

▶ Adjust the aerial. Check the signal strength if necessary.
   → *Check the signal strength (DAB+/FM) – p. 25*

▶ Carry out radio mode settings (search for radio station, save radio station, etc.).
   → *Radio (DAB+/FM) – p. 24*

Mains connection

Material damage due to trip hazard!

An awkwardly laid mains cable can become a trip hazard and possibly pull down and damage the speaker.

▶ Lay the mains cable in such a way that it does not become a trip hazard for people and animals.
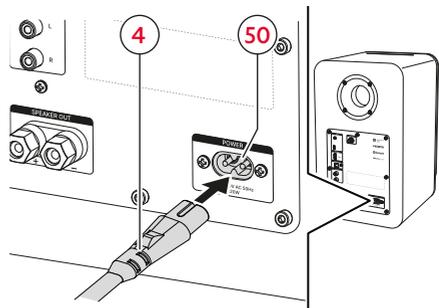
Mains connection

1. Connect the mains cable **(4)** to the loudspeaker's power connector **(50)**.

2. Connect the mains cable **(4)** to a mains socket.

   Button ⏻ **(9)** lights up red.

☑ **The loudspeaker is connected and in standby mode.**

Switching on for the first time

When switching on for the first time, you will be asked to carry out different basic settings (e.g. the language in which to display the menu and info texts).

1. Switch on the loudspeaker for the first time.
   → *Switching on and off – p. 19*

   In the display panel **(8)**, after a brief animation, a query about the required language is displayed.

2. Select the required language with the ✚/━ **(33)** buttons.

3. To confirm the selection, press the ▶❚❚/SELECT **(35)** button.

   In the display panel **(8)**, the query about the (R/L) position of the Active loudspeaker **(1)** is displayed.

4. Set the corresponding (L/R) position of the loudspeaker with the ✚/━ **(33)** buttons.

5. To confirm the setting, press the ▶❚❚/SELECT **(35)** button.

   In the display panel **(8)**, the query about wirelessly connecting additional loudspeakers (rears, subwoofer) is displayed.

6. If you wish to skip this step because you do not wish to connect any additional loudspeakers, press button ━ **(33)** twice and confirm that you wish to skip the step by pressing button ▶❚❚/SELECT **(35)**.

To start pairing, press button ◀ **(34)** or ▶❚❚/SELECT **(35)**, and if necessary follow the instructions on the display panel.

After completing the initial set-up, the display panel **(8)** shows "Ready to rumble!" (EN) or the equivalent in the selected language.

☑ **The loudspeaker is ready for use.**

ⓘ **NOTE**

You can change the language at a later stage via the menu.
Menu path: System ▸ Language ▸ Deutsch / English / Français / Español / Nederlands / Italiano / Polski.

Operation

Switching on and off

▶ To switch on, press button ⏻ **(9)** / **(19)** on the operating panel or on the remote control.

  The word "Teufel" appears briefly in the display panel **(8)**.

☑ **The speaker is switched on.**
  The final settings (external player, volume, etc.) are active.

▶ To switch off, press button ⏻ **(9)** / **(19)** on the operating panel or on the remote control.

  Button ⏻ **(9)** lights up red.

☑ **The loudspeaker is in standby mode.**

TV standby

If the CEC HDMI function is activated, the loudspeaker automatically switches to standby mode when the TV is switched off.

▶ Activating / deactivating the TV standby function via the menu.

Auto standby

After 20 minutes without an input signal, the loudspeaker automatically switches to standby mode.

Setting / changing the playback source

Setting the cable-connected external player or radio as the playback source

▶ Press the SOURCE button on the operating panel or on the remote control.

  ▶ Press button ⮂ **(10)** on the operating panel to switch to the next playback source (TV > AUX > OPT > USB > DAB > FM).

  ▶ Press button **TV (21)**, **AUX (23)**, **OPT (24)**, **USB (25)**, **DAB (26)** or **FM (27)** on the remote control to directly set the associated playback source.

  The playback source that has been set is displayed in the display panel.

☑ **Playback source has been set.**

Setting Bluetooth® as the playback source

▶ Press button ✳ **(11)** on the loudspeaker or button **BT (22)** on the remote control.

☑ **Bluetooth® has been set as the playback source.**
  The loudspeaker automatically searches for devices that have already been paired (Bluetooth® list). If the loudspeaker registers such as device in its vicinity, it automatically tries to make the connection with this device.

If no Bluetooth® devices have been paired or the loudspeaker does not detect a Bluetooth® device in its vicinity, the text "Wait for known device" is displayed on the display panel.

► In this case, first pair the Bluetooth® device.
  → *Pairing Bluetooth® devices – p. 22*

Automatically changing the playback source (switch function)

When the switch function is activated, the loudspeaker automatically changes the set playback source in specific situations. The signals to which the loudspeaker reacts or the cases when it switches to the corresponding playback source can be found in the list that follows.

ⓘ NOTE

You can activate / deactivate the switch function for each source separately via the menu.
Menu path: System ▶ Advanced ▶ AutoOn ▶ TV HDMI / Bluetooth / AUX / USB / Optical ▶ On/Off.

ⓘ NOTE

When switching from Bluetooth® to USB or HDMI playback, the Bluetooth® content is paused, and the loudspeaker remains connected to the Bluetooth® device.

Switching to Bluetooth® playback:

- A known Bluetooth® device is located in the vicinity (Bluetooth® list) and the loudspeaker automatically restores the Bluetooth® connection.
- Playback is started on a currently connected Bluetooth® device.

Switching to USB playback:

- Playback is started on a currently connected USB device.

Switching to HDMI playback:

- Playback is started on a currently connected HDMI device.

Switching to AUX playback

- Playback is started on a currently connected AUX device.

ⓘ NOTE

For playback devices that are connected via AUX, the sensitivity of the switch function can also be set. In this way, you can control the "sensitivity" with which the loudspeaker reacts to signals from the AUX source device.

► Setting the sensitivity of the AutoOn function (for AUX source devices) via the menu.
  Menu path: System ▶ Advanced ▶ AutoOn ▶ AUX ▶ Minimal / Low / Mid / High / Maximal / Off.

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Playback

► Start playback via the configured external player.

Pausing and re-starting playback

ℹ️ NOTE

With certain playback sources, it is not possible to pause playback. Instead, playback is muted.

► Press button $\frac{\blacktriangleright\text{II}}{\text{SELECT}}$ **(35)** on the remote control.

☑ **Playback is paused / muted.**

► Press button $\frac{\blacktriangleright\text{II}}{\text{SELECT}}$ **(35)** again on the remote control.

☑ **Playback continues / muting is cancelled.**

Adjusting the volume

ℹ️ NOTE

The volume setting on the external player also affects the loudspeaker's volume.

Lowering / increasing the volume

► Press button **—** **(33)**.

    ► To lower / increase the volume gradually (faster), press and hold the button.

☑ **The volume is lowered.**

► Press button **+** **(33)**.

    ► To lower / increase the volume gradually (faster), press and hold the button.

☑ **The volume is increased.**

Muting

► Press button 🔇× **(20)**.

The word "Mute" appears in the display panel **(8)** while muting is activated.

☑ **Muting is activate (playback is muted).**

► Press button 🔇× **(20)** again.

☑ **Muting is deactivated (playback takes place in the previously set volume).**

ℹ️ NOTE

To deactivate muting and increase the volume in steps or gradually, you can also press button **+** **(33)**.

Querying the current (main) settings

► Press button ⓘ **(32)** on the remote control.

☑ **The loudspeaker's current (main) settings are displayed.**
(Volume > Source > Station type > Bass settings > Treble settings > Dynamore status > Set sound mode > Radio loudspeaker status > software version)

Bluetooth® external speaker

In addition to cable-connected external players, you can connect a compatible external player wirelessly to the speaker via Bluetooth®. To make this connection, the loudspeaker and external player must first be paired.

ℹ️ **NOTE**

The loudspeaker saves up to 7 external players which are automatically connected without having to be paired (Bluetooth® list).

Pairing Bluetooth® devices

1. Activate the Bluetooth® function on the external player.

2. Activate the Bluetooth® function on the loudspeaker.

   ► Press button ⁕ **(11)** on the operating panel or button **BT (22)** on the remote control.

☑ **Bluetooth® has been set as the playback source. The loudspeaker automatically searches for devices that have already been paired (Bluetooth® list). If the loudspeaker registers such as device in its vicinity, it automatically tries to make the connection with this device.**

3. Press and hold button ⁕ **(11)** on the operating panel or button **BT (22)** on the remote control for 1.5 seconds.

   The text "Pairing" appears on the display panel **(8)** and button ⁕ **(11)** flashes blue.

☑ **Bluetooth® pairing mode is activated (duration: approx. 60 seconds).**

4. Search for Bluetooth® devices on the external player.

   ► Follow the user manual of the external player.

5. Select the "TEUFEL ULTIMA 25 AKTIV" loudspeaker in the list of Bluetooth® devices.

   BT is displayed in the display panel **(8)** with the word "Connected" and the name of the connected device.

☑ **Pairing has been completed; the Bluetooth® device and loudspeaker are connected.**

Bluetooth® playback

► Use the loudspeaker as the output device.

   Control is performed via the Bluetooth® device, the volume is synchronised.

Playing the previous / next track

ℹ️ **NOTE**

The "Playing the previous / next track" function is only available for Bluetooth® playback.

► Press button ◄ **(34)** on the remote control.

☑ **The current track is started from the beginning.**

► Press button ◄ **(34)** on the remote control 2×.

☑ **The previous track is started.**

► Press button ▶ **(34)** on the remote control.

☑ **The next track is started.**

Disconnecting the Bluetooth® connection

► To disconnect the Bluetooth® connection, deactivate the function on the external player.

☑ **The Bluetooth® connection has been disconnected.**

Deleting the Bluetooth® list

► Press and hold button ✳ **(11)** on the operating panel or button **BT (22)** on the remote control for 8 seconds to delete the loudspeaker's Bluetooth® list.

or

► Delete the Bluetooth® list via the menu.
Menu path: System ▶ Reset ▶ Bluetooth.

☑ **Bluetooth® list is deleted.**

Call-up function

If the connected Bluetooth® external player is a Smartphone, the Bluetooth® connection between the Smartphone and loudspeaker is interrupted during an incoming call. Sound continues to be output over the Smartphone, not over the loudspeaker, for the duration of the call. As soon as the phone call ends, the Bluetooth® connection is re-established and the sound comes out over the loudspeaker again.

Radio (DAB+/FM)

Playback / search for station (DAB+)

1. Set DAB+ as the playback source.
   → *Setting the cable-connected external player or radio as the playback source – p. 19*

☑ **DAB+ has been set as the playback source. It plays the most recently set station.**

2. Carry out a station search / change station with buttons ◄/► **(34)**.

   ► Press button ◄/► **(34)** to switch to next radio station (lower or higher) in the station list.

   ► To speed up the search, press and hold button ◄/► **(34)**. When you stop pressing the button, the nearest station will be set.

☑ **The station has been set.**

Playback / search for radio station (FM)

1. Set FM as the playback source.
   → *Setting the cable-connected external player or radio as the playback source – p. 19*

☑ **FM has been set as the playback source. It plays the most recently set station.**

2. Carry out a station search / change station with buttons ◄/► **(34)**.

   ► Press and hold button ◄/► **(34)** for 1.5 seconds to reduce/increase the set frequency in steps.

   ► To reduce / increase the set frequency gradually, press and hold button ◄/► **(34)**.
   When you stop pressing the button, the station with the nearest frequency will be set.

☑ **The station has been set.**

Saving station (PRESETs) (DAB+/FM)

> **ℹ NOTE**
>
> The loudspeaker has 15 memory locations in which you can save radio stations as PRESETs.

1. Set required DAB+- or FM station.
   → *Playback/search for radio station (FM) – p. 24*

2. Press and hold button **1**, **2** or **3 (12)** on the operating panel or button **1**, **2** or **3 (29)** on the remote control to save the set station in the corresponding memory location.

   ► Press and hold button **1|2|3 (12)** or **(29)** for 1.5 seconds to save the currently set station to memory location 1/2/3.

   ► Press button**1|2|3 (12)** or **(29)** twice and hold (for 8 seconds) to save the currently set station to memory location 4/5/6.

or

Press and hold button ⭐ **(12)** to open the PRESET list.

► Select the required memory location with button ╋/━ **(33)**. Then press button ▶‖/SELECT **(35)** to confirm the selection and save the current station in the selected memory location.

The name of the station and information about the station appear on the display panel **(8)**.

☑ **Radio station (including DAB+ or FM signal type) has been saved in the memory location.**

Setting the station (PRESETs) (DAB+/FM)

► Press button **1**, **2** or **3 (12)** on the operating panel or button **1**, **2** or **3 (29)** on the remote control to switch to the required saved station.

   ► Press button **1|2|3 (12)** or **(29)** once to set the saved station 1/2/3.

   ► Press button **1|2|3 (12)** or **(29)** twice to set the saved station 4/5/6.

or

► Press and hold button ⭐ **(12)** to open the PRESET list.

   ► Select the required memory location with button ╋/━ **(33)**. Then press button ▶‖/SELECT **(35)** to confirm the selection.

The loudspeaker switches to the required station.

☑ **Required station has been set.**

Querying PRESETs

► Press button ⭐ **(30)**.

☑ **The saved stations (PRESETs) are displayed.**

Check the signal strength (DAB+/FM)

► Press and hold button **DISP (28)** until the reception bar on the display panel **(8)** is displayed.

If the bar is above the vertical line, the reception is good enough.

▶ If a poor reception is indicated, adjust the aerial **(6)** again.

Display content / info texts

When a song is played on the radio, info texts are often displayed too (e.g. station name, song title and artist, etc.).

You can set the content or way in which these info texts are displayed on the display panel while the song is playing.

▶ Press button **DISP (28)** on the remote control to move to the next display.

☑ **The display for info texts has been set. The set display content appears in the display panel.**

Depending on the type of signal, you can choose between the following display options:

Display options for DAB radio	Display options for FM radio
■ **Radio text** Depending on the station, shows the info text for the set station.	■ **RDS text** Depending on the station, shows the info text for the set station.
■ **Station name** Shows the name of the set radio station.	■ **Station name** Shows the name of the set radio station.
■ **Artist** Shows the title and name of artist of the current song being played.	■ **Time** Shows the current time and date.
■ **Time** Shows the current time and date.	■ **Info** Shows the frequency, RSSI, signal strength and transmission (stereo / mono).
■ **Info** Shows the transmission rate, signal strength and output format (stereo).	■ **Frequency** Shows the currently set frequency.
■ **Reception** Shows the reception.	■ **Reception** Shows the reception.

Settings / functions

All settings and the activation / deactivation of functions are carried out via the menu. A few functions can also be set directly with (direct) buttons on the remote control.

Menu control

The menu is controlled with buttons **(33)**–**(37)**; this is represented on the display panel **(8)**. The buttons lose their normal functions in the menu control system, and instead are used for navigation purposes as follows:

Button	Function
☰ **(37)**	**Open menu/ exit menu**
+/**−** **(33)**	**Navigate/set value** Move up/down within a menu/submenu Increase/reduce displayed value
►❙❙ SELECT **(35)** | ▶ **(34)**	**Confirm** At menu level: Open selected submenu or setting mode. In the setting mode: Confirm setting and exit menu
↰ **(36)** | ◀ **(34)**	**Back** Go back to previous menu level or exit menu

The navigation arrows **(53)** in the display panel **(8)** show where further menu points are available.

☰ > Speaker
Pairing **8** ◀●▶ **53**

☰ > Speaker
Calibr. **8** ▲◀●▶▼ **53**

☰ > Speaker
Phase **8** ▲◀●▶ **53**
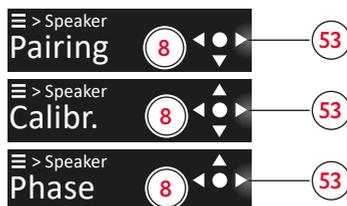
Display panel with navigation arrows (example)

Carrying out settings in the menu (example)

1. To open the menu, press button ☰ **(37)**.

   The first menu point **(8)** ("Sound") is displayed.

2. Press button **+**/**−** **(33)** to navigate to the required menu point in the current menu level.

3. To confirm the selection or to go to the corresponding submenu, press button ►❙❙ SELECT **(35)** or button ▶ **(34)**.

   You reach the corresponding submenu.

4. Press button **+**/**−** **(33)** to navigate to the required menu point in the current menu level.

5. To confirm the selection, press button ►❙❙ SELECT **(35)** or button ▶ **(34)**.

   You reach setting mode.

6. Press button **+**/**−** **(33)** to set the required value.

7. If necessary, press ↰ **(36)** or button ◀ **(34)** several times to go back to the required previous menu level, or press button ☰ **(37)** to exit the menu.

☑ **The recently set values are adopted and you can move back a level in steps or exit the menu.**

Menu overview

Settings and selection possibilities in the menu.

Sound	Bass	-6 dB – +6 dB	
	Treble	-6 dB – +6 dB	
	Dynamore	On	
		Off	
	Mode	Movie	
		Music	
		Voice	
		Night	
	Profiles	Profile A	Select
			Replace
			Delete
		Profile B	Select
			Replace
			Delete
		Profile C	Select
			Replace
			Delete
	Upmix	DPL II - Dolby Pro Logic II Upmix	
		Direct - multichannel stereo	
		Off	
Speaker	Pairing	Subwoofer	
		Rears	
	Calibrate	Playback	
		Test Tone	
	Position (Active loudspeaker)	Left	
		Right	
	Distances	Front L	0.3 m–12.0 m (distance to listening position)
		Front R	0.3 m–12.0 m (distance to listening position)
		Rear L	0.3 m–12.0 m (distance to listening position)
		Rear R	0.3 m–12.0 m (distance to listening position)
		Subwoofer	0.3 m–12.0 m (distance to listening position)
	Phase	0°	
		180°	

System	Display	Brightness	0–100% (in 10% steps)	
		Fade	0–100% (in 10% steps)	
		Stby. Light	0–100% (in 10% steps)	
		Rear Light	0–100% (in 10% steps)	
	Radio	DAB	Scan	
			Screen	Radio text
				Station name
				Artist
				Clock
				Information
				Reception
		FM	Mode	Stereo
				Mono
			Screen	RDS text
				Station name
				Clock
				Information
				Frequency
				Reception
	Vol.-Slider	On		
		Off		
	Sys. Sound	On		
		Off		
	Stby. Timer	Off		
		120 Min., 60 Min., 45 Min., 30 Min., 20 Min., 15 Min., 10 Min., 5 Min.		
	Language	Deutsch		
		English		
		Français		
		Español		
		Nederlands		
		Italiano		
		Polski		
	Advanced	LypSync	0–200 ms (audio signal delay)	
		AutoOn	HDMI TV	
			Bluetooth	
			Aux	Minimal
				Low
				Mid
				High
				Maximal
			USB	
			Optical	
		TV Stdby	On	
			Off	
	Software	Version		
		Update		
	Info	Shows all loudspeaker information: Volume, Source, Playback (Stereo/Mono, DD etc.), Bass, Treble, Dynamore, Mode (Movie, Music, etc.), software		
	Reset	Sound		
		Bluetooth		
		Radio		
		Rears/Subw.		
		Full Reset		

Sound settings

Sound (bass/treble)

> **ℹ️ NOTE**
>
> You can carry out the sound setting either with the (direct) buttons on the remote control or via the menu.

► Press the (direct) button on the remote control to increase or reduce the associated sound range (bass/treble).

   ► Press button **BASS +/- (38)** to increase or reduce bass tones (in 1-dB steps).

   ► Press button **TREBLE +/- (39)** to increase or reduce treble tones (in 1-dB steps).

or

► Carry out the settings in the menu.
Menu path: Sound ▶ Bass/Treble ▶ Setting value range -6 dB to +6 dB.

☑ **Setting is increased or reduced in steps (in the -6 dB to +6 dB range).**

Dynamore® Center

Dynamore® Center is a technology developed by Teufel which simulates a Center loudspeaker and therefore enhances the sound experience. One effect can be that voices and dialogue are far clearer.

► Press button ((o)) **(41)** on the remote control.

☑ **Dynamore® Center is switched on.**

► Press button ((o)) **(41)** again on the remote control.

☑ **Dynamore® Center is switched off.**

Sound mode

Sound modes are preset sound profiles which are optimised for different feedback contents or situations.

> **ℹ️ NOTE**
>
> You can carry out the sound mode setting either with the (direct) buttons on the remote control or via the menu.

► Press button **MODE (40)** on the remote control to move to the next sound mode (modes: Music > Movie > Voice > Night).

or

► Set the required sound mode in the menu.
Menu path: Sound ▶ Mode ▶ Music / Movie / Voice / Night.

The set sound mode is displayed in the display panel **(8)**.

☑ **Sound mode has been set.**

The different sound modes are distinguished as follows:

- **Music**: Standard settings with optimum sound for playing back music. Slight bass and treble emphasis.
- **Movie**: Optimised playback of films for distinctive base and detailed sound effects.
- **Voice**: Better speech quality for clearer playback of voices.
- **Night**: Reduced bass sounds and dynamic.

Sound profile

You can configure up to three individual sound profiles and save these as sound profile A, B and C (e.g. for different playback contents or situations).

> **ℹ️ NOTE**
>
> You can carry out the required sound profile setting either with the (direct) buttons on the remote control or via the menu.

▶ Set the required sound profile with the (direct) buttons on the remote control.

  ▶ Press button **A**, **B** or **C (43)** to set the associated sound profile A/B/C.

or

▶ Set the required sound profile in the menu.
Menu path: Select Sound ▶ Profiles ▶ Profile A / Profile B / Profile C ▶.

The set sound profile is displayed briefly on the display panel **(8)**.

☑ **Sound profile has been set.**

> **ℹ️ NOTE**
>
> If you have not yet configured the set sound profile, "Empty/Leer" is displayed on the display panel.

▶ Configure the required sound profile in the menu.
Menu path: Set ▶ Profiles ▶ Profile A / Profile B / Profile C ▶.

Upmix

When the Upmix function is activated, stereo content is played in surround sound (5.1). The system calculates the necessary signals (which are missing) and produces a full surround sound.

> **ℹ️ NOTE**
>
> The Upmix function can only be used with sources delivering 2 channels (e.g. Bluetooth®, 2-channel PCM over HDMI or Optical).

▶ Set the required Upmix algorithm in the menu.

Menu path: Sound ▶ Advanced ▶ Upmix ▶ DPL II / Direct / Off.

Loudspeaker settings

Pairing five loudspeakers (Rears / Subwoofer)

To use the ULTIMA 25 AKTIV within a sound system, you can connect the loudspeakers wirelessly to two rear loudspeakers and / or to a subwoofer (pairing).

1. Activate loudspeaker pairing mode via the menu.
    Menu path: Speaker ▶ Pairing ▶ Subwoofer/Rears.

2. Press the pairing button on both rear loudspeakers or on the subwoofer.

    Pairing mode starts.

☑ **Loudspeaker connected (paired) to the rear loudspeaker or subwoofer.**

Pairing five loudspeakers (Rears / Subwoofer)

▶ Remove the connection to the paired loudspeakers (Rear L/R and/or subwoofer) via the menu.
    Menu path: System ▶ Reset ▶ Rears/Subw.

☑ **Radio connection/pairing of selected loudspeaker has been deleted.**

Calibrate loudspeaker (set channel level)

You can set the volumes for the individual channels (loudspeakers) and thus the volume balance between all connected loudspeakers within the sound system.

▶ Set the channel level for each connected loudspeaker via the menu.
    Menu path: Speaker ▶ Calibrate ▶ Test Tone / Playback ▶ Set dB value.

> **ⓘ NOTE**
>
> Non-connected (optional) loudspeakers (Rear L/R, Subwoofer) are not displayed in the menu.

> **ⓘ NOTE**
>
> You can carry out the calibration with a test sound or with the current playback source. To set the channel level with a test sound, use the following **menu path:** Speaker ▶ Calibrate ▶ Test Tone ▶ Set dB value.

Set loudspeaker position (L/R)

Assign the two ULTIMA 25 AKTIV loudspeakers to their respective positions (to the left/right of the listener), in which they have been physically set up.

▶ Specify the loudspeaker position for the Active loudspeaker via the menu.
    Menu path: Speaker ▶ Position ▶ Left/Right.

The Passive loudspeaker automatically takes over the other position (L or R).

☑ **Loudspeaker L/R positions have been set.**

Setting loudspeaker distance

Different distances of the loudspeakers to the listening position can distort the impression of the surround sound. You can balance out the time it takes for the sound to reach the listener by setting the distance from each other at which the loudspeakers are positioned, in the menu. The system then calculates the necessary delays in order to achieve optimum surround sound.

▶ Set the respective distances of all connected loudspeakers to the listening position via the menu.
Menu path: Speaker ▶ Distances ▶ Front L/Front R/ Rear L/Rear R/ Subwoofer ▶ Setting value range 0.3 m to 12.0 m.

ⓘ NOTE

Non-connected (optional) loudspeakers (Rear L/R, Subwoofer) are not displayed in the menu.

Phase

ⓘ NOTE

"Phase" menu point is only displayed if a subwoofer is connected.

▶ Set the phase for the connected Subwoofer via the menu.
Menu path: Speaker ▶ Phase ▶ 180°/0°.

System settings

Screen brightness

When setting the brightness level for the screens on the display panel **(8)**, a distinction is made between two setting options.

- The "Brightness" setting option concerns the brightness/intensity of the screens during (active) operation or if an interaction with the loudspeaker takes place.
- The "Fade" setting option concerns the brightness/intensity of the screens during operation if no (active) operating or interaction with the loudspeaker takes place (e.g. during normal audio playback).

You can individually set the brightness level (in %) for both options ("Brightness and "Fade").

ⓘ NOTE

You can carry out the brightness level setting for the "Brightness" option either with the (direct) buttons on the remote control or via the menu.
Set the brightness level for the "Fade" option exclusively via the menu.

1. Press button ☀ **(31)**.

   The word "Brightness" is briefly displayed on the display panel **(8)**, then the currently set brightness level is displayed.

2. Set the required brightness level with buttons ➕/➖ **(33)**.

  ▶ Press button ➕ **(33)**to increase the brightness level.

  ▶ Press button ➖ **(33)**to reduce the brightness level.

or

▶ Set "Brightness" and "Fade" brightness levels via the menu.
Menu path: System ▶ Display ▶ Brightness/Fade ▶ Setting value range 0% to 100% (in 10% steps).

  The screen brightness is reduced in steps.

☑ **The brightness level for the corresponding brightness step has been set.**

You can also specify the brightness in which the button ⏻ **(9)** lights up in standby mode

▶ Set the required brightness level for displaying standby mode via the menu.
Menu path: System ▶ Display ▶ Stby. Light ▶ Setting value range 0% to 100% (in 10% steps).

Radio (DAB+/FM)

▶ Carry out station search for DAB+:
Menu path: System ▶ Radio ▶ DAB ▶ Scan.

▶ Set playback mode for FM radio (mono/stereo):
Menu path: System ▶ Radio ▶ FM ▶ Mode ▶ Stereo/Mono.

▶ Select what you would like to see displayed in the display panel while the radio station is being played:

  Menu path: System ▶ Radio ▶ DAB/FM ▶ Screen ▶ Select required display (info texts).
  → Display content / info texts – p. 26

Activating / deactivating the touch slider (Vol.-Slider)

▶ Activate or deactivate the touch slider via the menu.
Menu path: System ▶ VolSlider ▶ On/ Off.

Switching system sounds on/off

Certain inputs emit an audible feedback in the form of system sounds.

▶ Switch system sounds on or off via the menu.
Menu path: System ▶ Sys. Sound ▶ On/Off.

Standby timer

Set the period of time according to which the loudspeaker automatically switches itself off and changes to standby mode.

▶ Set the function or required period of time for automatic switching via the menu.
Menu path: System ▶ Stby. Timer ▶ 5min / 10min / 15min / 20min / 30min / 45min / 60min / 120min / Off.

Language

► Change the language for displaying
  texts on the display panel via the
  menu.
  Menu path: System ► Language ►
  Deutsch / English / Français / Español /
  Nederlands / Italiano / Polski.

LipSync (audio-video synchronising)

► Set the value for synchronising audio
  and video content via the menu.
  Menu path: System ► Advanced ►
  LypSinc ► Setting value range 0 ms to
  200 ms.

Cleaning and care

Cleaning the loudspeakers

> **ATTENTION**
>
> **Material damage due to improper cleaning!**
>
> The use of unsuitable cleaning agents can lead to the discolouration and destruction of the surface.
>
> ► Do not allow moisture to get inside.
>
> ► Only clean the speaker with a soft, dry cloth.

1. Remove dust and light contamination with a dry leather cloth.
2. Remove stubborn stains with a cloth slightly moistened with mild soapy water.
3. Then rub damp surfaces dry with a dry, soft cloth without applying pressure.

☑ **The speaker has been cleaned.**

Software

The loudspeaker software is constantly being developed. You can download future versions from our web store and install them with the aid of Windows® PC.

Querying the version

► Query the software version via the menu.
Menu path: System ▶ Software ▶ Version.

☑ **Software version is displayed (display format: V.mm.dd.so.hh).**

Playing a new software version (software update)

1. Download the latest software version to a Windows PC.
2. Unzip the downloaded file.
3. Connect the loudspeaker to a Windows PC via USB cable.
4. Prepare the loudspeaker for the software update via the menu.
   Menu path: System ▶ Software ▶ Update ▶ Connect USB cable to PC

   The word "Start." appears in the display panel **(8)**.
5. To start the update, press button ▶‖ SELECT **(35)**.

   The word "Update" is displayed in the display panel **(8)**. The ⏻ button **(9)** flashes red. A "ULTIMA 25 AKTIV" USB device is displayed on the Windows PC.

ⓘ NOTE

Up to this point, you can interrupt the process without causing any damage to the loudspeaker.

ATTENTION

Risk of damage!

However, if the new software installation is interrupted, this can damage the loudspeaker.

▶ Do not switch off the loudspeaker or remove the USB cable during the following steps.

6. Copy the unzipped update file to the "ULTIMA 25 AKTIV" device.

   The update is installed in several phases, and various progress reports are displayed in the display panel.

   When the update has finished, the ULTIMA 25 AKTIV starts again: The word "Teufel" appears on the display panel.

☑ **The new software has been installed on the loudspeaker.**

Replacing the batteries (remote control)

1. Slide the battery compartment open towards the bottom.
2. Remove the old batteries and insert new batteries of the same type.
3. Close the battery compartment.

☑ **The batteries have been replaced.**

Troubleshooting

► Follow the instructions below to eliminate possible faults:

Malfunction	Possible cause	Remedy
The speaker does not start.	No network connection.	► Connect the speaker. → *Mains connection – p. 17*
No sound.	The volume is too low.	► Increase the volume. → *Adjusting the volume – p. 21*
	The volume on the external player is too low.	► Increase the volume on the external player (e.g. smartphone).
	The speaker is not connected to the external player.	► Connect the loudspeaker to the external player.
	The external player has not been selected.	► Set the external player as the output device. → *Setting/changing the playback source – p. 19*
	Another radio system is interfering with the Bluetooth® connection.	► Move the speaker to another location.
No sound from HDMI / OPTICAL IN.	The external player has an unsuitable digital output format.	► Make sure that the output format is PCM or Dolby Digital bitstream and not DTS bitstream. ► In the external player's set-up menu, set the digital output format to "PCM" if there are problems playing back with Dolby Digital bitstream.
	External device (TV) has not been connected properly.	► Make sure that ULTIMA 25 AKTIV is connected to the TV's ARC (Audio Return Channel) connection and that ARC has been activated in the TV settings.

Malfunction	Possible cause	Remedy
No sound from the rear loudspeakers.	Output format is not Dolby 5.1.	► Select the corresponding audio setting from the source. ► Select Upmix DPL II for simulated surround sound (also for PCM 5.1). *→ Upmix – p. 31*
Remote control is not working.	Batteries are dead.	► Insert new batteries. *→ Replacing the batteries (remote control) – p. 37*
Some of the loudspeakers in the sound system are too quiet, others too loud.	The volume of the individual loudspeakers has not been adjusted in relation to each other.	► Set the volumes of the individual loudspeakers. *→ Calibrate loudspeaker (set channel level) – p. 32,* *→ Setting loudspeaker distance – p. 33*
The loudspeaker is buzzing.	Problems with the power supply.	► Connect the mains filter to the device.
	Using a multiple socket strip	► Replace the multiple socket strip or connect the loudspeaker directly to the wall socket.

Resetting to factory settings

> **ℹ NOTE**
>
> All user settings and data are deleted and reset to the factory settings.

► Set the loudspeaker back to the factory settings via the menu.
Menu path: System ▶ Reset ▶ Full Reset.

☑ **The loudspeaker has been reset to the factory settings. All personal settings have been deleted.**

Technical data

General technical data	
Dimensions (W x H x D)	215 mm × 365 mm × 251 mm
Weight UL 25 ACTIVE	7.53 kg
Weight UL 25	6.66 kg
Mains voltage	220–240 V AC / 50 Hz
Max. power consumption	120 W
Standby power	< 0.5 W
Operating temperature	0°C to 45°C
Storage temperature	-20°C to 60°C

Radio network	Frequency bands	Transmitting power
Bluetooth®	2.400–2.483.5 MHz	4 dBm/2.5 mW
Radio subwoofer or Rears	2.405 – 2.477 MHz	0 dBm/1 mW

CE

Lautsprecher Teufel GmbH hereby declares that the ULTIMA 25 AKTIV loudspeaker set complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following Internet address:

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

Teufel

If you have any questions, suggestions or criticisms, please contact us at:

Lautsprecher Teufel GmbH
BIKINI Berlin
Budapester Straße 44
10787 Berlin (Germany)

www.teufelaudio.com
www.teufel.de
www.teufel.ch
www.teufelaudio.at
www.teufelaudio.nl
www.teufelaudio.be
www.teufelaudio.fr
www.teufelaudio.pl
www.teufelaudio.it
www.teufelaudio.es

Tel.:
Germany: +49 (0) 30 217 84 217
Austria: +43 12 05 22 3
Switzerland: +41 43 50 84 08 3
International: 0800 200 300 40 (toll- free)
Fax: +49 (0)30 300 930 930

Online support:
www.teufelaudio.com/service
www.teufel.de/service

Contact:
Germany:
www.teufel.de/kontakt

International:
www.teufelaudio.com/contact

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