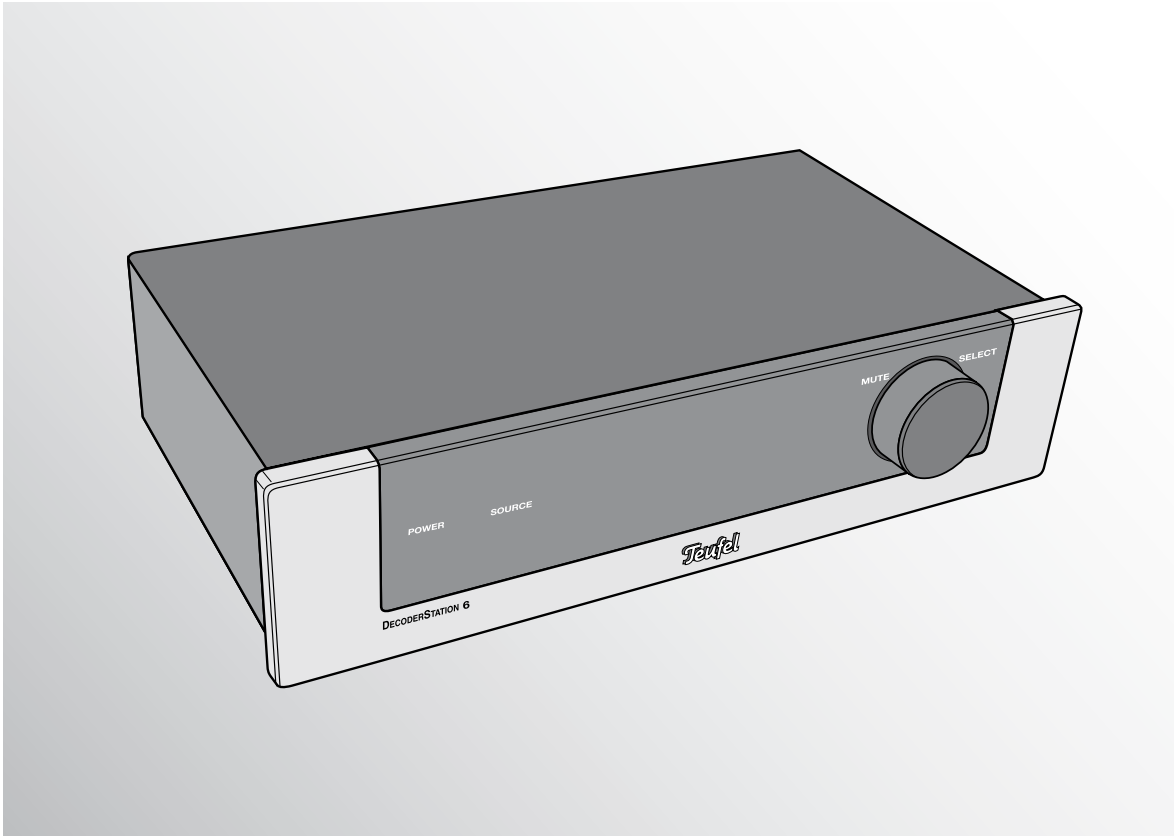
Technical description and instruction manual



DecoderStation 6

AV controller/pre-amplifier with wireless technology

Teufel

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Before operating the DecoderStation 6, please first read the safety notes and instruction manual carefully. Only in this way, can you ensure that all functions are used in a safe and reliable manner. Store the instruction manual in a safe place and also be sure to pass it on to any subsequent owner.

Notice

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January 2015

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The HDMI and High-Definition Multimedia Interface symbols as well as the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the USA and other countries.

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 DecoderStation 6 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 or batch number

Located on the back of the device,
e.g. serial no.: DS600302014027A-123.

Thank-you for your support!

Contact

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

Lautsprecher Teufel GmbH

Bikini Berlin

Budapester Strasse 44

10787 Berlin (Germany)

Phone 00800 - 200 300 40 (toll-free)

Fax +49 (0)30 / 300 930 930

E-mail: service@teufelaudio.com

teufelaudio.com

Proper use

Only use the DecoderStation 6 as described in this instruction 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 use not in accordance with the instructions.

The DecoderStation 6 is intended for private use.

For your safety

Caution notes

You can find the following caution notes in these instructions:

⚠ 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.

Safety notes

⚠ WARNING

Improper electrical installation or excessive mains voltage may result in an electrical shock.

- The wall adapter is suitable for use with a power supply voltage of 100 – 240 V~ / 50/60 Hz.
- Only use the enclosed wall adapter. When connecting the device, make sure that the correct voltage is present. More detailed information is available directly on the mains adapter.
- Check the device regularly for damage. Disconnect the wall adapter immediately and do not use the device if its case or the mains adapter are defective or if there is other visible damage.
- This device is disconnected from the grid by pulling the wall adapter. Therefore, make sure that the wall adapter is always easily accessible.
- If the device emits smoke, smells burnt or produces unusual sounds, immediately pull the wall adapter and do not operate it further.
- Never open the device housing. Repairs may only be carried out by an authorised specialist workshop. Only parts that comply with the original signification may be used.
- Only use the accessory products specified by the manufacturer.
- Only use the device in indoor areas.
- Do not operate the device in wet rooms and protect it from dripping and splash water. Make sure that no vases or other vessels filled with liquid are located on the device or nearby in order to prevent liquid from penetrating the housing. If water or any foreign objects have entered the housing, immediately disconnect the wall adapter and send the device to our service address.
- Never touch the wall adapter with wet hands.

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

- Do not allow children to play with the device or the packing film. Danger of suffocation.
- Ensure that children do not remove small parts from the device or take them off of the device (e.g. control knobs or plug adapters). They could swallow the parts and choke.
- Never let children use electrical equipment unsupervised.

Swallowing the remote control's battery may result in severe internal injury or even death.

- Store both new and used batteries so that they are not accessible to children.
- If it is no longer possible to safely close the battery compartment, stop using the product and store it so that it is not accessible for children.
- If you suspect that a battery has been swallowed or otherwise incorporated, promptly consult a physician.

Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes or mucus membranes. In the event of contact with acid, immediately flush the applicable areas with plenty of clean water and consult a physician if necessary.

Batteries (particularly lithium batteries) can explode if used improperly.

- Never attempt to recharge batteries.
- Only use batteries of the same or equivalent type.
- You may not heat or short circuit batteries and rechargeable batteries or dispose of them in fire.
- Do not expose batteries and rechargeable batteries to direct sunlight.

Extended listening at high volumes may lead to hearing loss.

- To avoid damage to health, avoid extended listening at high volumes.
- When the volume is set high, always keep a certain distance and never place your ear directly on the speaker.
- If a speaker is set to full volume, this may produce very high sound pressure. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk. Set your signal source device volume control to a low setting before start playing back audio.

⚠ CAUTION

An unsuitable setup location could lead to damage.

- If the DecoderStation 6 and the speakers are not securely mounted, do not use them in vehicles, in unstable locations, on wobbly tripods or furniture, on underdimensioned brackets etc. The DecoderStation 6 or the speakers may tip or fall over and cause injury to persons or be damaged themselves.
- Position the DecoderStation 6 in such a way that it cannot be knocked over inadvertently and that the cables do not pose a trip hazard.
- Carefully follow the instruction manual.
- When storing the DecoderStation 6, make sure that it is in a stable position and that there is no risk of it falling or being pulled down.

NOTICE

External influences may damage or destroy the device.

- If the device is to be left unattended for a prolonged period of time (e.g. during a vacation) or if a thunderstorm is forecast, pull the wall adapter out of the socket. Otherwise, sudden overvoltage could cause the device to become defective.
- In the event of prolonged absence, remove the batteries from the remote control. Leaked batteries may damage the remote control.
- If the device is subjected to warm temperatures after being cold (e.g. after transport), condensation may occur inside of it. In this case, wait at least 2 hours before you connect and activate it.

Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the device.
- Ensure sufficient ventilation.
- Do not place the device in direct sunlight.

Explanation of Symbols

	Protection class II Dual insulation
	Risk of electrical shock – do not open the housing. Disconnect the mains cable before changing a fuse.
	Old devices must not be disposed of with household waste! If the device is no longer operational, every consumer is required by law to dispose of old devices separately from household waste, e.g. at a collection point run by the communal authority/borough. This ensures that old devices are recycled in a professional manner and also rules out negative consequences for the environment. For this reason, electrical equipment is marked with the following symbol.

	Batteries and rechargeable batteries do not belong in the household garbage! Every consumer is required by law to bring all batteries and rechargeable batteries, regardless whether they contain harmful substances*) or not, to a collection point run by the communal authority or borough or to a retailer, so that they can be disposed of in an environmentally friendly manner. Please only turn in batteries and rechargeable batteries which are empty! *) labelled with: Cd = cadmium, Hg = mercury, Pb = lead

Unpacking

- Carefully open the box and carefully lift the DecoderStation 6 and accessories out of the box.

Product contents

① 1x DecoderStation 6

② 1x remote control DS 6 RC

② 1x wall adapter for the DecoderStation 6

④ 1x FM wire antenna

⑤ 2x batteries for the remote control ②

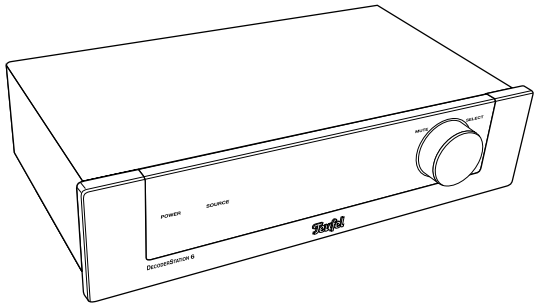
Instruction manual

Warranty card

Checking the delivery

- Check that all items have been delivered and that nothing is damaged.
- If the delivery is incomplete or exhibits transport damages, please contact our service team (see page 3).
- Do not in any case operate the device if it is damaged.

①



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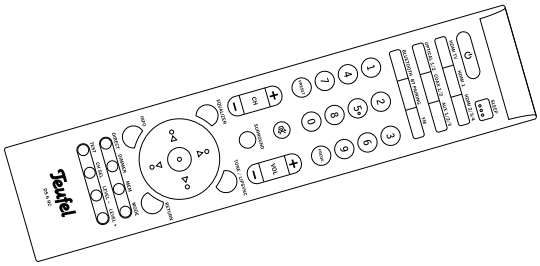

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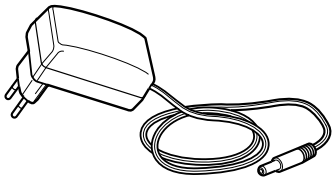

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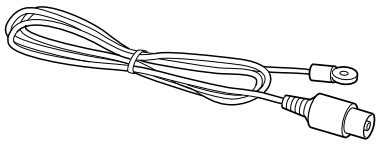
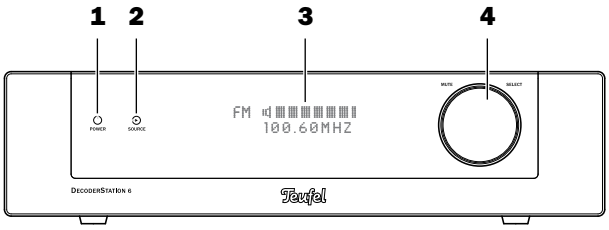


⑤

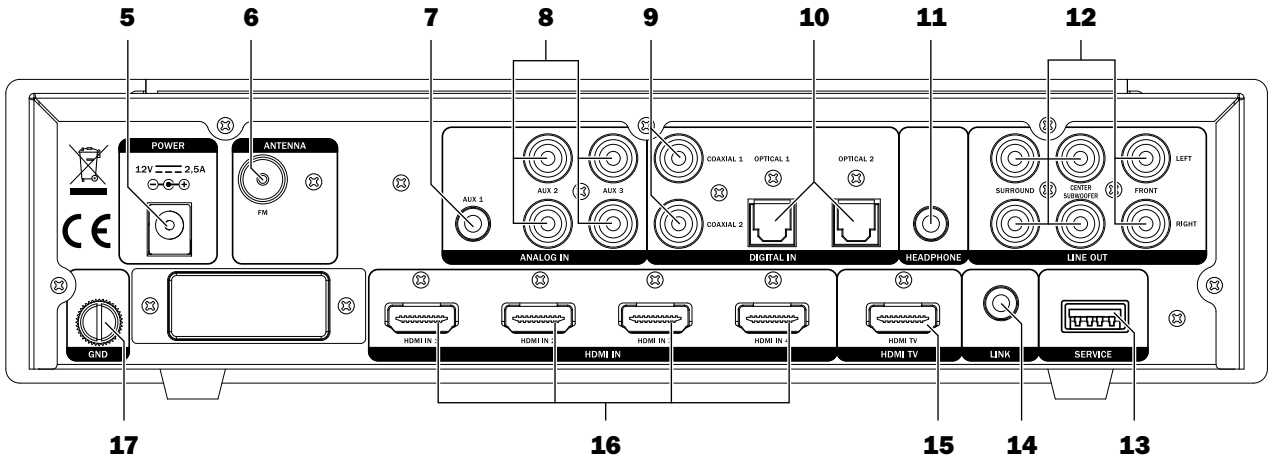
Control elements and connections

Front side



Item	Name	Description
1	**POWER**	Activating/deactivating
2	**SOURCE**	Select input source
3	**–**	Display panel
4	**MUTE/ SELECT**	Control dial with button function

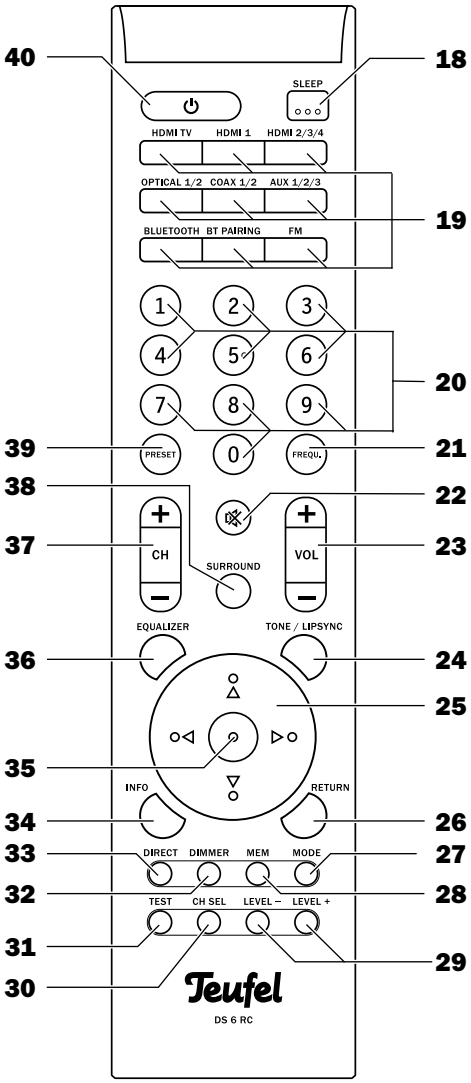
Back side



Item	Name	Description
5	**12V**	Connector jack for mains adapter ③
6	**FM**	Connector jack for FM antenna ④
7	**AUX 1**	Analogue audio input jack (3.5 mm phone jack)
8	**AUX 2/3**	Analogue audio input jacks (RCA)
9	**COAXIAL 1/2**	Digital audio input jacks for coaxial cables
10	**OPTICAL 1/2**	Digital audio input jacks for optical cables
11	**HEADPHONE**	Connector jack for headphones

Item	Name	Description
12	**SURROUND, CENTER, SUBWOOFER FRONT**	5.1 audio output jacks
13	**SERVICE**	USB connection (for service only)
14	**LINK**	Connector jack for additional expansions
15	**HDMI TV**	HDMI output jack
16	**HDMI IN 1 – 4**	HDMI input jacks
17	**GND**	Ground connection

Remote control



Item	Name	Description
18	**SLEEP**	Sleep function
19	**HDMI TV, HDMI 1, HDMI 2/3/4, OPTICAL 1/2, COAXIAL 1/2, AUX 1/2/3, BLUETOOTH BT PAIRING FM**	Select source device
20	**1 … 0**	Number buttons
21	**FREQU.**	Radio mode: Enter the receiving frequency
22		Switch loudspeakers to mute
23	**VOL +/–**	Adjust the volume
24	**TONE/ LIPSYNC**	Adjust the sound, set the delay
25	**◄►▲▼**	Navigation buttons
26	**RETURN**	Return button
27	**MODE**	Switch between mono and stereo in radio mode
28	**MEM**	Save to station memory slots
29	**LEVEL +/–**	Adjust the channel level
30	**CH SEL**	Select the channel for the level adjustment
31	**TEST**	Activate/deactivate test sound
32	**DIMMER**	Adjust display brightness
33	**DIRECT**	Emit sound directly (without sound control)
34	**INFO**	Display the format of the audio signal
35	•	Select button
36	**EQUALIZER**	Adjust the sound within nine frequency ranges
37	**CH +/–**	Radio mode: Select station memory
38	**SURROUND**	Activate/deactivate surround mode
39	**PRESET**	Radio mode: Select station memory
40		Turn DecoderStation 6 on or to standby

Setup and connection

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.
- Do not place any heavy objects on the DecoderStation 6 or on the cables.

The receiver for the remote control signals is located at the front of the device. You should therefore set up the device so that you can see it from your sitting position.

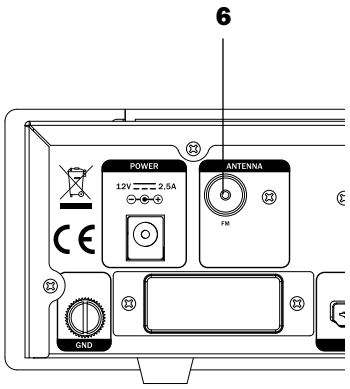
> **⚠ WARNING**
>
> **Risk of injury/damage!**
>
> Lay the cables so that they do not pose a tripping hazard.

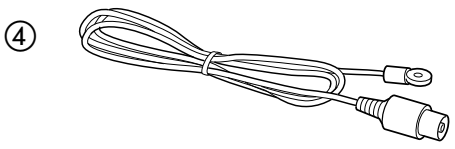
FM antenna

> **⚠ WARNING**
>
> **Risk associated with lightning strike!**
>
> If you are using outdoor or roof antennas, be absolutely sure that the antenna has lightning protection.

To receive FM stations, connect the antenna to the FM jack **(6)**. This may be a roof/outside antenna, but also a cable television connection. You will need a coaxial connector cable for this.

If no antenna connection is available at the set-up location, you can use the enclosed throw-out aerial ④. Push the antenna plug into the FM jack **(6)** and adjust the position of the throw-out aerial for best reception. Then fix the antenna in place.





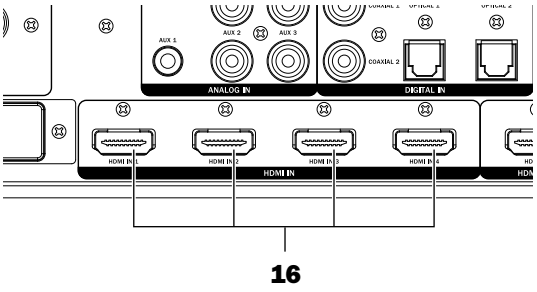
Inputs for source devices

The DecoderStation 6 offers four HDMI inputs for digital audio/video signals (HDMI 1, 2, 3 and 4), three analogue audio inputs (AUX 1, 2 and 3), as well as two coaxial and two optical digital audio inputs.

HDMI 1, 2, 3 and 4

You can connect a HDMI source device with a digital video and audio signal to the jacks **(16)** (e.g. PC, Blu-ray player or game console). For this, you will need one HDMI cable per device.

If a device does not emit the audio via HDMI, you can assign one of the audio inputs of the DecoderStation 6 to this device in the “Audio mapping” menu (see page 18).

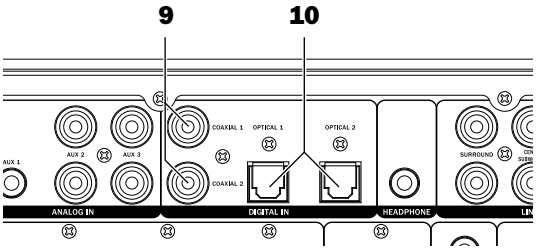


COAXIAL 1 and 2

You can connect the coaxial digital audio outputs of two source devices to the COAXIAL jacks **(9)**. You will need a coaxial cable with RCA plugs for this.

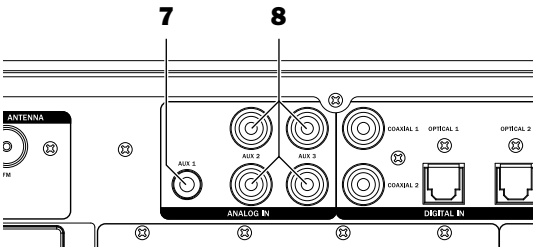
OPTICAL 1 and 2

You can connect the optical digital audio outputs of two source devices to the OPTICAL jacks **(10)**. You will need an optical cable with a TOSLINK plug for this.



AUX 1, 2 and 3

You can connect source devices with analogue audio to the jacks **(7)** and **(8)**. The jack AUX 1 **(7)** is a 3.5-mm jack plug socket for connecting e.g. an MP3 player. The jacks AUX 2 and AUX 3 **(8)** are RCA jacks for connecting e.g. a CD audio player.

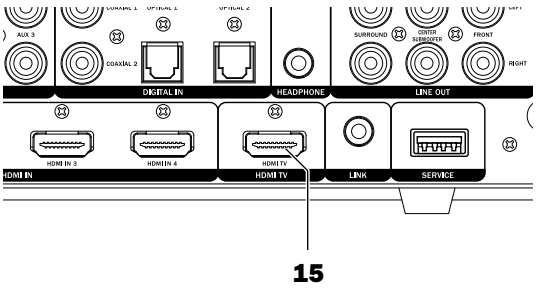


Outputs

TV set

Connect your TV set or your projector to the HDMI TV jack **(15)**. You will need a HDMI cable for this.

If your TV set does not emit audio via HDMI ARC, you can assign one of the audio inputs of the DecoderStation 6 to the TV set in the “Audio Mapping” menu (see page 18).

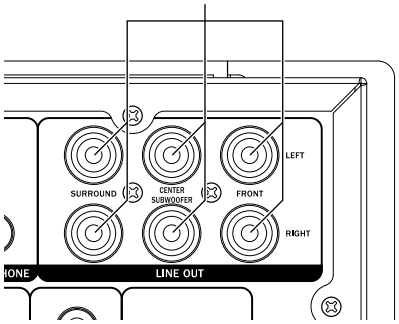


Audio outputs

Connect your power amplifier or multi-channel active subwoofer or active speaker to the RCA jacks **(12)**. To do this you will need three stereo RCA cables:

FRONT LEFT/RIGHT	Front left/right channels
CENTER	Mid-channel
SUBWOOFER	Subwoofer channel
SURROUND LEFT/RIGHT	Rear left/right channels

12



Subwoofer

You can connect an active subwoofer to the SUBWOOFER jack **(12)** with an RCA cable.

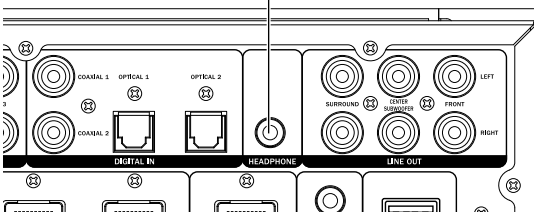
If you use an active subwoofer with wireless connection, activate the connection in the “System Setup” menu (see “Radio links” on page 18).

Headphones

You can connect Stereo headphones to the HEADPHONE jack **(11)** with a 3.5 mm plug.

The outputs to the power amplifiers **(12)** are automatically deactivated when connecting headphones. However, they can be reactivated with the button 🔇 **(22)** on the remote control. This makes it possible to operate the DecoderStation 6 with the speakers, even when the headphones are inserted (e.g. while using wireless headphones with the transmitter permanently connected).

11

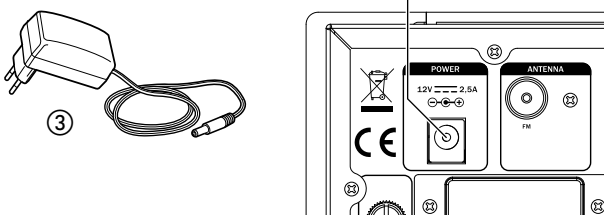


> **⚠ WARNING**
>
> **Risk of injury/damage!**
>
> Lower the volume before you pull out the headphone plug out again; otherwise, the speakers may emit unexpected high sound pressure. This could injure your hearing or damage the device.

Connecting to a power supply

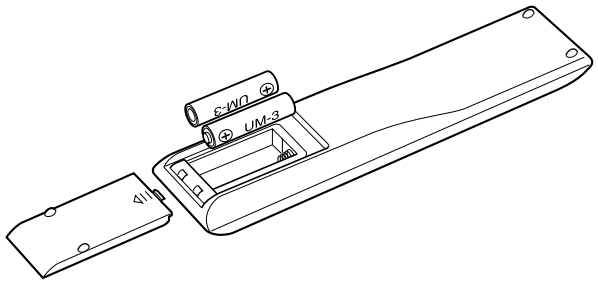
1. Make sure that your active subwoofer and/or the active speakers are switched off.
2. Connect the small plug of the mains adapter ③ to the jack **(5)** “12V”.
3. Connect the mains adapter ③ to a mains socket (100 V–240 V ~ / 50/60 Hz).

5



Inserting/changing the battery

You should change the two batteries if the remote control stops working properly or after 2 years at the latest. Battery type: Micro or AAA with 1.5 volts.



1. Gently depress the arrow on the battery compartment cover on the back of the remote control. Push the cover down and out.
2. If applicable, remove any old batteries (please observe the disposal notes on page 6).
3. Insert the batteries in the battery compartment as shown in the figure.
4. Place the cover back on the compartment and push it closed.

Functionality

The remote control relays the control signals by means of infrared light. For this, you will have to point the remote control at the DecoderStation 6. The infrared receiver is located on the front side. Make sure that the infrared light is not obstructed by objects.

⚠ WARNING

Swallowing the product battery may result in severe internal injury or even death.

- Store both new and used batteries so that they are not accessible to children.
- If it is no longer possible to safely close the battery compartment, stop using the product and store it so that it is not accessible for children.
- If you suspect that a battery has been swallowed or otherwise incorporated, promptly consult a physician.

Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes or mucus membranes. In the event of contact with acid, immediately flush the applicable areas with plenty of clean water and consult a physician if necessary.

⚠ WARNING

Batteries (particularly lithium batteries) can explode if used improperly.

- Never attempt to charge the battery.
- Only insert a battery of the same or equivalent type (Micro or AAA with 1.5 volt).
- You may not heat or short circuit batteries and rechargeable batteries or dispose of them in fire.
- Do not expose batteries and rechargeable batteries to direct sunlight.

Basic functions

Activating and deactivating

- Pushing and holding the POWER button **(1)** (for approx. one second) or by briefly pushing the button ⏻ **(40)** will activate the DecoderStation 6.
  When it turns on, the buttons **(1)** and **(2)** and the display panel **(3)** will light up.
- You can switch the DecoderStation 6 to standby by pushing and holding the POWER button **(1)** (for approx. one second) or by briefly pushing the button ⏻ **(40)**).
  In standby, a red dot will light up under the POWER button **(1)**.
- If the TV connected via HDMI is CEC-capable, the DecoderStation 6 will be switched on and to standby together with the TV set (see “CEC” on page 19).
- If a CEC-capable HDMI device is connected to one of the HDMI IN connections **(16)**, the DecoderStation 6 and the TV set will also be activated when the HDMI device is turned on.
- If the DecoderStation 6 does not receive any signal for longer than 30 or 60 minutes, it will automatically switch to standby (see “Auto-off” on page 19).

The DecoderStation 6 is not disconnected from mains in standby mode. Pull the mains plug out of the mains socket to completely deactivate it.

Selecting a source

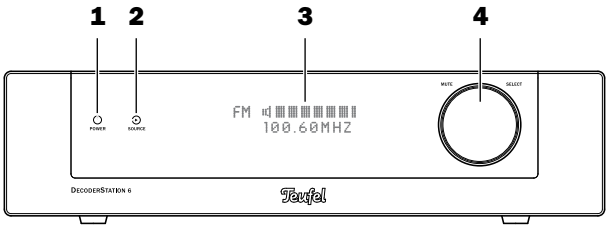
After turning the device on, the last used source device is selected.

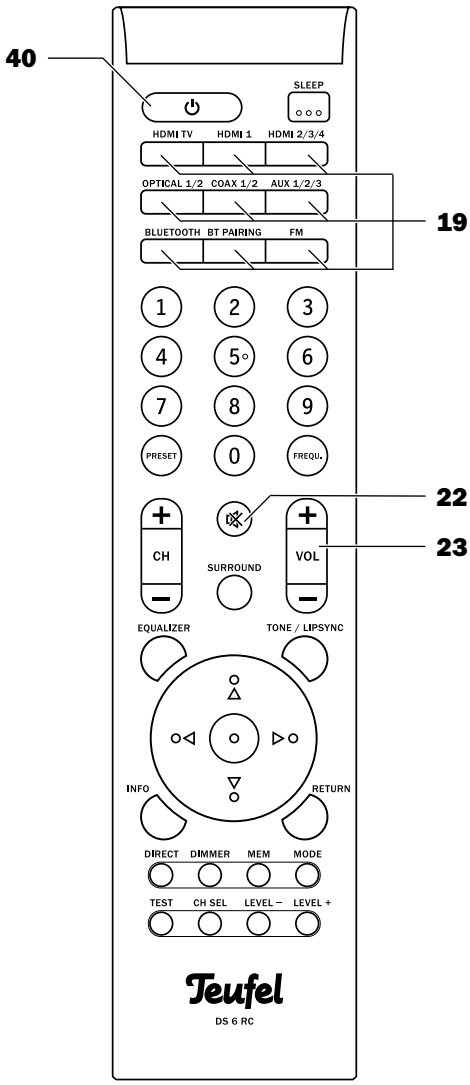
- With the SOURCE button **(2)**, you can switch the source in the following order:
  HDMI 1, HDMI 2, HDMI 3, HDMI 4, TV, OPT1 (optical input 1), OPT2, COAX1 (coaxial input 1), COAX2, AUX1, AUX2, AUX3, BT (Bluetooth), FM.
- Or you can select the source directly with the function buttons **(19)** on the remote control.

The selected source is shown on the display panel **(3)**.

Setting the volume

You can set the desired volume level with the dial **(4)** or the buttons VOL +/– **(23)**. The volume will be shown as a value between -69.0dB (quiet) and 10.0dB (very loud) and a bar on the display panel **(3)**.





Mute

By briefly pushing the dial **(4)** or the button 🔇 **(22)**, you can turn the sound on and off again.
During muting, the “MUTE” message will appear on the display panel **(3)** and on the connected TV set.

Tone/LipSync

With the “TONE/LIPSYNC” button **(24)**, you can adjust the sound and audio delay.

Adjusting the sound

1. Select the desired range by repeatedly pushing the TONE/LIPSYNC button **(24)** briefly:
   - Bass – low tones
   - Treble – high tones
2. Use the navigation buttons ▲/▼ **(25)** to set the selected range from “–10” (decrease) to “+10” (increase).
3. Exit the setting with the RETURN button **(26)**.

Setting audio delay

1. By pushing and holding the TONE/LIPSYNC button **(24)** for more than a second, you can adjust the audio delay value (see the menu function “LIP SYNC” on page 19) for the active input:
   The current value in milliseconds (ms) is shown on the display panel and on the screen.
2. Set the audio delay within a range from 0 to 200 ms with the navigation buttons ▲/▼ **(25)**.
3. Exit the setting with the RETURN button **(26)**.

Equalizer

As with the menu function (see page 18), this provides you with ultra fine sound adjustment in nine frequency ranges.

1. By pushing the EQUALIZER button **(36)** several times, you can select the desired frequency.
   The “Reset All” setting resets all frequencies to “0”.
2. Use the navigation buttons ▲/▼ **(25)** to set the level between -20 dB (decrease) to +6 dB (increase).
3. Exit the setting with the RETURN button **(26)**.

Direct

In direct mode, the audio signal is emitted without sound adjustment and surround mode.

Briefly pushing the DIRECT button **(33)** switches the mode.

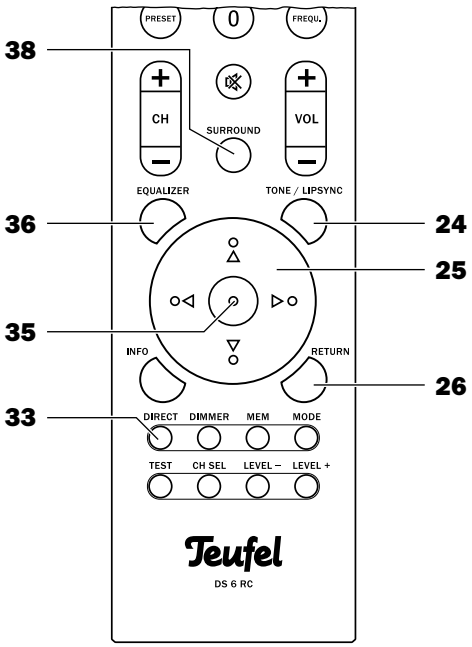
Surround mode selection

Use the SURROUND button **(38)** to toggle the surround mode for stereo sources in this order:

2.1 Stereo	Stereo only via front left/right and subwoofer
5.1 Stereo	Stereo via all channels (upmix)
Dolby PLII Movie	Dolby Pro Logic® II for movies
Dolby PLII Music	Dolby Pro Logic® II for music

Dolby Digital and DTS

Surround mode is predefined for the playback of Dolby Digital or DTS-coded multichannel tracks; the SURROUND button **(38)** is not functional for this reason.



Channel level buttons

Here you can increase and decrease the relative volume for each speaker, even during playback.

1. Select the desired speaker by tapping the “CH SEL” button **(30)** several times.
   Sub – subwoofer
   Left – front left
   Right – front right
   Center – centre
   Sur. L – surround left
   Sur. R – surround right
2. You can now adjust the relative volume from “-10” to “+10” using the LEVEL -/+ buttons **(29)**.
3. Exit the setting with the RETURN button **(26)**.

Test tone

With this function, you can use a test tone (“pink noise”) to configure the speaker channels.

1. Push the TEST button **(31)**. A test tone will be emitted on all speakers one after another.
2. Set the speaker level as described in the previous section.
3. Push the TEST button **(31)** or RETURN **(26),** to deactivate the test tone.

We recommend using a Teufel sound-level meter, which you can order on our website in the accessories area.

Info

Pushing the “INFO” button **(34)** shows information on the current audio signal on the screen and on the display panel for approx. three seconds. E.g. “48KHz 2.1 Stereo”.

Dimmer

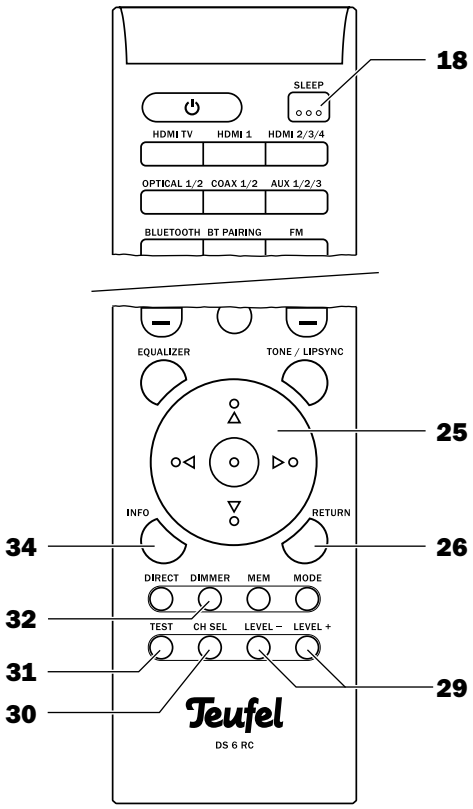
With the “DIMMER” button **(32)**, you control the display panel brightness. Each time you press the button, the display will change: bright, medium, dark, off.

Sleep

You want to fall asleep in your comfortable home cinema? This automatic switch-off will help and turns off the DecoderStation 6 after a preset time elapses (max. 60 minutes).

- Briefly push the “SLEEP” button **(18)** once to show the status of the automatic function:
  “Sleep Timing OFF” – automatic function deactivated.
  “Sleep Timing xx min” – Deactivation in xx minutes.
- Press the SLEEP button **(18)** repeatedly to select the desired time to shut-off between 15 and 60 minutes.
- Exit the setting with the RETURN button **(26)**.

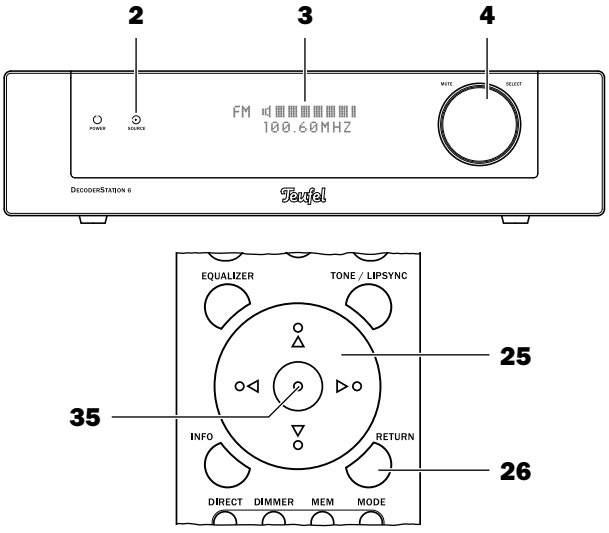
Once the time you have set has elapsed, the DecoderStation 6 will switch to standby.



You can set the functions of the DecoderStation 6 via the menu. To use the menu:

1. Switch the DecoderStation 6 and your TV-set on.
2. On the TV set, select the DecoderStation 6 as a source.
3. Push the dial **(4)** for approx. three seconds or briefly push the button • **(35)**. The main menu will appear on the connected TV set and on the display panel **(3)**.
4. Use the dial **(4)** or the navigation buttons ▲/▼ **(25)** to select the desired sub-menu.
5. Push the dial **(4)** or the button • **(35)**.
   The sub-menu will open and you can select the next sub-menu or change the values with the dial **(4)** or the navigation buttons ▲/▼ **(25)**.
6. You accept the setting by briefly pushing the dial **(4)** or the button **(35)** "•".

- With the SOURCE **(2)** or RETURN **(26)** buttons, you close or abort the respective function and return to the previous menu.
- Push and hold the dial **(4)** for approx. three seconds to leave the menu at any time.



If the on-screen menu appears in German, you can change the on-screen menu language to English (the display panel **(3)** always displays English text):

1. Select the item "SYSTEM SETUP".
2. Select the item "D/E".
3. Select the item "English".
   The onscreen menu will now switch to English.
4. Push the RETURN button **(26)** repeatedly until the menu disappears.

"Tuner" menu

This menu is only available in radio mode (FM).

Preset

Here, you can switch the station memory slots with the navigation buttons ▲/▼ **(25)**.

Frequency

To set the receiving frequency, start by turning the dial **(4)** or pushing the navigation buttons ▲/▼ **(25)** to scan through the stations in the desired direction; the scan will stop automatically as soon as a station with sufficient signal strength is found.

Mode

With stereo stations with a weak signal, a bothersome noise may be heard; you can eliminate it by switching to mono.

Auto Stereo	If there is sufficient signal strength, the device will automatically switch to stereo.
Mono	Continuous mono reception.

Memory Store

With this, you can save radio stations to the 30 station memory slots.

- Current frequency
  Briefly push the dial (4) or the • button **(35)** to save the currently selected station to the next free station memory slot.
  Attention: If all memory slots are occupied, the station will automatically be saved to program slot 1. Otherwise, you will have to clear a memory slot before (see the item below).
- APS
  With this, you can automatically occupy the station memory slots. Respond to "OK?" by briefly pushing the dial **(4)** or the button • **(35)**. The device will automatically save the first 30 stations. Occupied memory slots will be deleted in the process.

Memory Erase

- Select "Current Slot?" to erase only the currently selected station memory slot.
- Select "All Slots" to erase all station memory slots.

Briefly push the dial **(4)** or the • button **(35)** to erase or the SOURCE button **(2)** or RETURN **(26)** to abort.

“Surround” menu

Here you switch the surround mode for stereo sources in the following order:

2.1 Stereo	Stereo only via front left/right and subwoofer
5.1 Stereo	Stereo via all channels (upmix)
Dolby PLII Movie	Dolby Pro Logic® II for movies
Dolby PLII Music	Dolby Pro Logic® II for music

Dolby Digital and DTS

Surround mode is predefined for playback of Dolby Digital or DTS coded multi-channel audio tracks and this menu is disabled as a result.

“Tone Control” menu

Tone

Here you can set the sound (high tones and bass tones). Possible values: from –10 dB (decrease) to +10 dB (increase).

Mode

- Dynamic Compr.
  Dynamic compensation regulates volume differences between individual tracks on CDs or other digital audio sources and ensures that playback is neither too loud nor too quiet. Possible settings: On or Off.
- Cinema EQ
  This function reduces the percentage of high tones from the original movie sound mix to perfectly adapt the sound to the typical acoustics of a living room. Possible setting: On or Off.

Equalizer

With this function, very fine adjustments within nine frequency ranges are available. Possible values: from –20 dB (decrease) to +6 dB (increase) each.

The “Reset” menu item resets all frequency ranges for the selected channel to zero (neutral).

“Speaker Levels” menu

Here, you can set the relative volume within a range from “–10” (decrease) to “+10” (increase) for each speaker.

With the “Test Tone”, you can activate and deactivate pink noise as a neutral test tone and also set the speaker levels as described above.

We recommend that you use a sound level meter to optimally adjust the sound level.

“Source Levels” menu

Here, you can set the relative volume within a range from “–10” (decrease) to “+10” (increase) for each audio source.

“Audio Mapping” menu

Here, you can set an audio input for each of the four HDMI inputs and the TV set.

Example: You would like to connect a PC without HDMI output. With a DVI to HDMI adapter, you transmit the video signal while the audio signal is present at one of the analogue inputs (AUX) via an RCA cable.

If the HDMI-ARC function is activated for the TV set, the menu item “TV” will not be available.

“Speaker Setup” menu

Speaker Size

You can set the size of the speakers in use here for optimal actuation of the speakers. Four configurations are available:

SSS1	All speakers are small, subwoofer present.
LSS1	Large front speakers, small center and surround speakers, subwoofer present.
LSS0	Large front speakers, small center and surround speakers, no subwoofer.
LLL1	All speakers are large, subwoofer present.

The letters represent the speakers: Front left/right, center, surround left/right. In this context, S stands for small and L for large speakers. The last number stands for the subwoofer (1 = present, 0 = not present).
In 3.1 mode, a 0 stands for “not present” concerning surround (3rd position).

Crossover

With the crossover frequency, you determine the upper and lower frequency limits for the operation of the satellites. Possible values: 80 to 250 Hz in eight steps.

You can find information on the recommended crossover frequency in the technical data of the respective satellite speakers in our webshop.

Phase Sub

You can hereby switch the phase shift (180°) on and off for the subwoofer. Select the setting, with which the subwoofer produces the loudest and clearest sound.

Lip Sync

Digital image processing in the TV set takes some time. To keep the video and audio in sync, the TV set delays the audio by a few milliseconds. Here, you can adjust the audio delay from 0 to 200 ms for each HDMI and other inputs in order to keep the sound synchronous.

Distance

Speakers located at different distances to the listening position may disturb the surround sound effect. Here, you can set a slight delay of the signal to compensate these run time differences for all channels. Measure the distance from the listening position to the speakers and enter these values in the menu. The system calculates the required delays on this basis.

“System Setup” menu

HDMI

CEC (**C**onsumer **E**lectronics **C**ontrol)

This function makes it possible to control devices via the HDMI connection. The DecoderStation 6 together with the TV set is switched on and to standby with this function. With many TV sets, you can also adjust the volume of the DecoderStation 6 with the TV set's remote control and the DecoderStation 6 will automatically select the input of the respectively active source.

Possible settings: On or Off.

ARC (**A**udio **R**eturn **C**hannel)

In case of a HDMI connection, this channel provides a return channel for audio data from the TV set (for TV sets that support this function). Audio from the television sets runs to the DecoderStation 6 through the HDMI cable without having to connect another cable. Possible settings: On or Off.

- With some TV sets, you have to activate these functions in the menu – please refer to the instruction manual for your TV set.
- Many TV sets only support the ARC function with one HDMI input. In most cases, it is labelled with “ARC”.
- To use ARC you must also activate CEC.
- If the CEC function is activated, standby power consumption increases.

Audio Passthrough

With this function, you determine whether the picture and audio from the connections HDMI 1 to 4 are also looped through to the TV set when the DecoderStation 6 is in standby. Possible settings: On or Off.

Auto-off

If inactive, the device switches to standby after the defined period of time. Possible values: 60 min., 30 min. (preset), Never.

Power On Level

Here you can set the volume of your device when it is activated:

- Last: The volume set when deactivating.
- Custom: You set the volume from -50 dB (low) to 0 dB (very loud).

Wireless

In this menu, you establish the radio link to your Bluetooth source device and/or wireless subwoofer. This process is known as “pairing”.

You can see the current status when selecting the device (“Bluetooth” or “Wireless Sub”): “Not connected“ or “Connected”.

The pairing of Bluetooth devices is described in the chapter “Bluetooth Playback” on page 21.

Wireless Sub

To connect a wireless subwoofer with the DecoderStation 6:

In the “System Setup” menu, select the submenu “Radio Links” and then the menu item “Wireless Sub”.

On the wireless subwoofer, start the process to establish a connection (see the corresponding instruction manual).

Push the • button **(35)** twice to start the pairing process.

The connection will be established after a short time and the status “Connected” is shown; you can now use the wireless subwoofer with the DecoderStation 6.

3.1/5.1

With this, you switch between 3.1 and 5.1 mode:

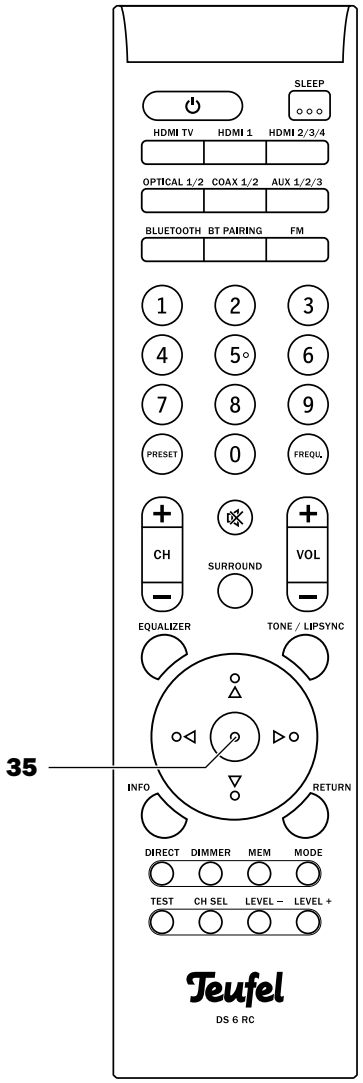
3.1	An authentic or surround-coded 5.1 audio signal is converted to a 3.1 signal (downmix). Only select this function if there are no surround speakers.
5.1	Output of all five channels including the surround signals.

D/E

You can set the screen menu language this way. Possible values: Deutsch, English

System Reset

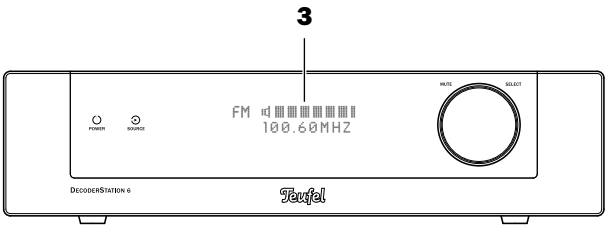
This resets the device to the factory default.



Bluetooth Playback

You can connect compatible Bluetooth devices such as most smartphones with your DecoderStation 6 via Bluetooth. The sound output of the smartphone then occurs via the DecoderStation 6.

The Bluetooth wireless transmission system has a range of approximately 10 metres that can be compromised by walls and furnishings. If the connection is cut off, the DecoderStation 6 will attempt to re-connect until you select another source.

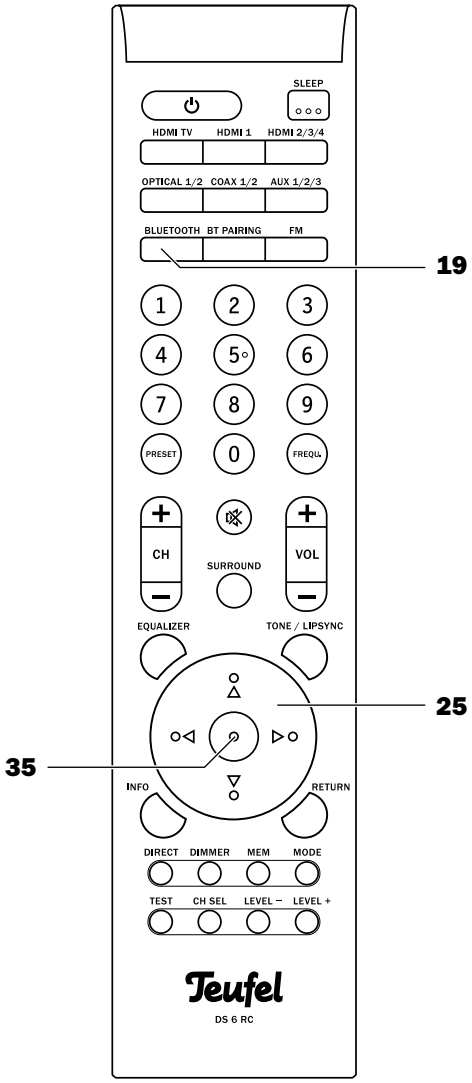


Pairing

1. In the “System Setup” menu, select the sub-menu “Wireless” and then the menu item “Bluetooth”.
2. Push the • button **(35)** twice to start the pairing process. The notice “Pairing” will appear on the display panel **(3)**.
3. Activate the Bluetooth function on your source device (e.g. smartphone).
4. Let your source device search for Bluetooth devices. You will find more information about this in the instruction manual of your source device.
   After the search run, the “DecoderStation 6” should also be present in the list of detected devices.
5. Select “DecoderStation 6” from the list of detected devices.
   The DecoderStation 6 will now play back all sounds that would otherwise be played by your source device.

Playback

1. Use the BLUETOOTH button **(19)** to select Bluetooth as the source.
2. On your source device, switch the Bluetooth function on.
3. Start playback with your Bluetooth device.
   If your device is a smartphone, the Bluetooth connection will be interrupted in the event of an incoming call and you can make phone calls as usual. After finishing your phone call, the sounds will once again be diverted and played back by your DecoderStation 6.
4. To end the Bluetooth connection, turn off the Bluetooth function on your source device and select another source on the DecoderStation 6.



Radio Playback

Your DecoderStation 6 has a radio receiver for receiving mono and stereo stations within the FM range from 87.5 to 108 MHz.

Setting the radio stations

Use the FM button **(19)** to select the radio as the source. The set frequency will be displayed on the connected TV set.

Set the receiving frequency with the navigation buttons ◀/▯ **(25)**:

- Automatic: After pushing the button for a prolonged period (approximately 2 seconds), the station search will start in the desired direction until a station with a sufficiently strong signal is found.
- Manual: Every time you tap the button, the frequency will be increased or decreased by one increment (0.05 MHz).

Or press the FREQU. button **(21)** and enter the desired receiving frequency with the number buttons **(20)** and push the • button **(35)**.

If the station transmits an RDS signal, the frequency and the name of the station will alternate in the display panel after a short time.

Stereo/Mono

You may hear bothersome noise with stereo stations with a weak signal. In this case, you can switch between mono and stereo reception using the MODE button **(27)** or in the “Tuner” menu under “Mode” (see page 17).

Station memory slots

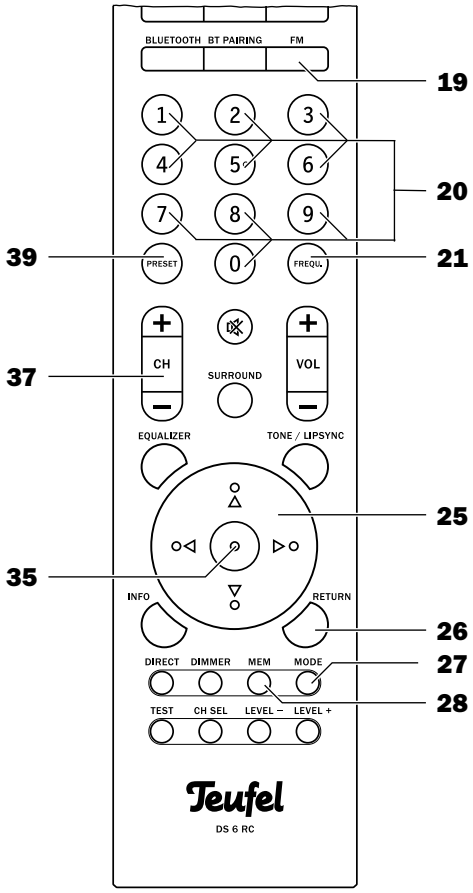
The DecoderStation 6 can save up to 30 stations. You can conveniently select the saved stations with the push of a button.

Saving stations

You can save the current station in the “Tuner” menu under “Memory Store” or have the station memory slots occupied automatically (see page 17).

To save the currently selected station directly:

1. Push the MEM button **(28)**.
   The prompt “Store in Pxx?” will appear on the display panel (3) and the connected screen; “Pxx” is the number of the first available memory slot.
2. Press the • button **(35)** to save and press the RETURN button **(26)** to abort.



Selecting stations from the memory

With the buttons CH +/– **(37)** or the navigation buttons ▲/▼ **(22)** , you access the occupied station memory slots consecutively.

Or you push the PRESET button **(39)**, enter the number of the desired memory slot with the number buttons **(20)** and push the • button **(35)**.

Clearing station memory slots

In the “Tuner” menu under “Memory Erase”, you can clear individual or all station memory slots (see page 17).

To clear the current memory:

1. Push the MEM button **(28)**.
   The prompt “ERASE MEMORY, Current slot?” will appear on the display panel (3) and the connected screen.
2. To erase, push the • button **(35)**, push the RETURN button **(26)** to abort.

The DecoderStation 6 software undergoes continual development. You can load subsequent versions from our website www.teufelaudio.com/support/.

Installing new software

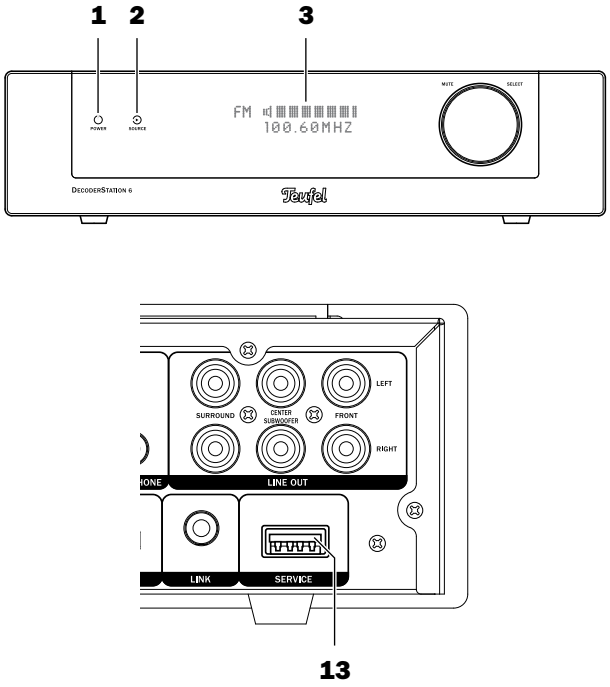
You will need an empty USB stick with a FAT-32 file system.

1. Load the new software from our website.
2. Unpack the downloaded file and save all files contained to the USB stick.
3. Pull the mains adapter ③ of the DecoderStation 6 out of the socket and wait about 5 minutes.
4. Insert the USB stick in the SERVICE jack **(13)**.

> *Notice*
>
> **Risk of damage!**
>
> The DecoderStation 6 may not be disconnected from the power supply during the next steps!

5. Insert the mains adapter ③ of the DecoderStation 6 back in the socket.
   The update will begin automatically. The buttons **(1)** and **(2)** will blink during installation and various messages will appear on the display panel.
6. Finally, the DecoderStation 6 will switch to standby and only the red dot under the button **(1)** will be illuminated.
7. Pull the mains adapter ③ of the DecoderStation 6 out of the socket again.
8. Pull the USB stick out of the SERVICE jack **(13)**.
9. Insert the mains adapter ③ of the DecoderStation 6 back in the socket.

The new software is now installed.



Cleaning & Maintenance

- Ideally, you should remove dust or small amounts of dirt with a dry, smooth leather cloth.
- Use a damp cloth to rub off stubborn dirt. Make sure that no liquid penetrates the housing.
- Then immediately wipe the damp surfaces off with a soft cloth without applying pressure.

Notice

Risk of damage!

Using the wrong cleaning agents may damage the delicate surface of the housing.

- 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 advice should help you to solve problems. If this does not help, you will find useful information in the detailed FAQs on our website. Otherwise, please contact our hotline (see page 3). Take note of the warranty instructions.

Problem	Possible cause	Solution
No function.	Software error.	Restart the DecoderStation 6: Pull the mains adapter out of the socket, wait approximately 5 minutes and insert the mains adapter back in the socket.
The DecoderStation 6 doesn't emit sound.	The wrong source has been selected.	Select the right source (see page 14).
	The device is set to “mute”.	Push the button or adjust the volume.
	The volume is set to “0”.	Increase the volume.
The amplifier hums.	The DecoderStation 6 is connected to a different power circuit from the rest of the system.	Connect the DecoderStation 6 to the same power circuit.
	The humming is caused by problems with the power supply.	Buy a line filter and connect all devices to it.
	The humming is caused by a multiple socket strip.	Use a different multiple socket strip or connect the DecoderStation 6 directly to the wall socket.
Playback is noisy.	In general, the DecoderStation 6 is a very low-noise system. In most cases, the system with very high 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 to the DecoderStation 6 system.
With stereo sources such as the playback of radio or an MP3 player, the rear satellites and/or the center speaker do not emit sound.	MP3s, radio as well as many TV shows only transmit stereo sound.	Switch the DecoderStation 6 to a Pro-Logic mode or one of the DSP modes (5.1 Stereo).
No Dolby-/DTS multi-channel sound is emitted via the connected digital source.	If digital sources are being played, the DecoderStation 6 automatically recognises the format of the signal source. If the decoder fails to play multi-channel sound, there is presumably no multi-channel signal. Digital signal sources do not always transmit multi-channel sound, but may also emit regular stereo sound (2.0).	
You cannot toggle the surround configuration.	You are probably using a digital input. If a Dolby or DTS signal is received on this input, the DecoderStation 6 will automatically switch to the correct surround mode.	

Technical data

Dimensions (WxHxD)	270 x 65 x 175 mm
Weight	1.6 kg
Operating voltage	100 – 240 V~, 50/60 Hz
Max. power consumption	30 watts

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

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

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

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