

Technical description and operating instructions



ControlStation 2

Control Unit for PC Speaker Systems

Teufel

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General notes and information

Notice

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Original packaging

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

Empty boxes are not available!

Complaints

In case of complaint we will need the following information to process your enquiry:

1. Invoice Number

Can be found on the sales slip (enclosed with the product) or on the order confirmation received as a PDF document, e. g. 4322543.

2. Serial number and/or batch number

Located on the back of the device,
e. g. serial no. CS29440122A-123

Many thanks for your support!

Contact

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

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Warranty conditions

2 year warranty for amplifiers and electronics from date of purchase. Covers materials and workmanship, excludes damage caused by improper use or electrical or mechanical overload. Proof of warranty is the original of our invoice. This warranty applies solely to electronics purchased from Teufel by an end user for private use.

The warranty is not valid for loudspeakers, amplifiers and

electronics, which pass to an end user via a third party merchant. In the case of a private re-sale of Teufel products the warranty may be transferred to the purchaser as long as the original proof of purchase is also passed on to the purchaser.

Returns

Teufel provides the right to exchange or return within eight weeks with refund of the purchase price paid. Return of individual components sold as a package is only possible if these components are also sold individually by Lautsprecher Teufel. In the case of the return of one or more individual components the package price reduction offered by Lautsprecher Teufel on all components in a package no longer applies. The amount refunded to the customer for the components returned will therefore only be the difference between the package price and the purchase price of the individual parts. The economic result for the customer is that it is as if he/she had originally bought the remaining components at their individual prices.

Further information on the subject of returns may be found on the back of the return form enclosed with the order or online in the support area of our website www.teufel.eu

If you need to return your goods please do not act without first speaking to Lautsprecher Teufel.

We can only process or accept your returns if you give us prior notification by telephone and discuss how to proceed!

Proper use

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

The unit is intended for private use.



Before operating the unit for the first time please read the safety notes and operating instructions carefully. This is the only way to use all functions safely and reliably.

Keep the operating instructions safe and pass them on to anyone who may own the unit after you.

Safety notes

Caution icons

You will find the following caution icons used in these instructions:

**Danger High risk!**

Failure to observe the warning may result in severe personal injury or death

**Attention Moderate risk!**

Failure to observe the warning may result in property damage.

**Minor risk!**

Points which should be observed when handling the unit.

Safety notes

**Danger Risk of electric shock!**

Faulty installation of electrical equipment or mains voltage which is too high can cause electric shocks.

- The wall adapter is designed for a mains voltage of 100V–240V ~ / 50/60Hz. Only use the enclosed wall adapter.
- Immediately pull the wall adapter out of the socket if the casing is defective or exhibits other visible damages.
- If the unit emits smoke or smells of burning or other unusual odours, disconnect it immediately from the power supply and do not operate it.
- Never open the unit casing.
Repairs may only be carried out by an authorised specialist workshop. Only parts which conform with the original unit specifications may be used. There are specific electrical and mechanical parts in this unit which are essential for safe operation.
- Do not insert any object through the vent slots in the case.
- Only use the unit indoors.
- Do not operate the unit in moist areas and protect it from drops of water or splash water.
Also take care not to stand vases or other containers of liquid on or near the unit in order to avoid liquid getting into the case. If water or other foreign bodies should enter the case, disconnect it immediately from the mains power supply and remove any batteries. Send the unit to our service address.
- Never touch the wall adapter with wet hands.
- Check the unit regularly for damage.

Danger**Danger to children!**

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

- Do not allow children to play with the unit or the packing film. Danger of suffocation.
- Ensure that children do not remove small parts from the unit (e. g. control buttons). They could swallow the parts and choke.
If a child does swallow a part, take him/her to a doctor immediately.
- Never allow children to operate electrical devices unsupervised.

Danger**Danger to hearing!**

Loud noise may lead to hearing loss.

There is a potential risk of very high noise pressure especially when activating an amplifier that is set to full volume. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk.

- Set your signal source unit volume control to a low setting.
- When the volume is set high, always keep a certain distance from the unit and never place your ear directly on the speaker.
- To avoid damage to health, avoid extended listening at high volume.

Danger**Danger of chemical burns!**

Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes or mucus membranes. In case of contact with acid rinse the affected location immediately with plenty of plain water and if necessary see a doctor.

Danger**Danger of explosion!**

Lithium batteries can explode if handled improperly.

- Never attempt to recharge lithium batteries.
- Only use batteries of the same or equivalent type.
- Do not heat or short circuit batteries or rechargeable batteries and do not dispose them of by burning.
Do not leave batteries or rechargeable batteries in direct sunlight.

Danger Danger of injury/damage!



Incorrect location may result in damage.

- Never use the unit unmounted in vehicles, in instable locations, on wobbly stands or furniture, with attachment fixtures that are too small etc. The unit could topple over or fall, injuring persons or causing damage to the unit itself.
- Arrange the device so that it cannot be knocked over accidentally and make sure that the cables do not pose a trip hazard.
- Do not place the unit near sources of heat (e. g. heaters, ovens, other heat generating equipment such as amplifiers etc.)

Attention Fire hazard!



Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the unit.
- Ensure sufficient ventilation.
- Do not place the unit in direct sunlight.
- Do not cover the ventilation slots with curtains, cloths, newspapers or similar. Heat build-up inside the unit can shorten the lifetime of the unit.

Attention Risk of damage!



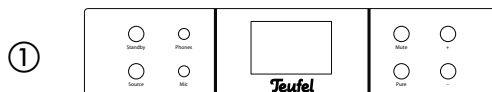
Power overload due to lightning strike may damage or destroy the unit.

- If the unit is to be left unsupervised for a long period (e. g. during a holiday), or if a thunderstorm is forecast, disconnect it from the mains power supply.

Overview

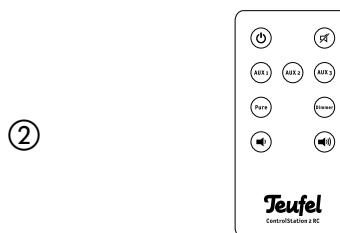
Product Contents

- ① 1x ControlStation 2 (Main unit)
- ② 1x Remote control including battery
- ③ 1x Wall adapter



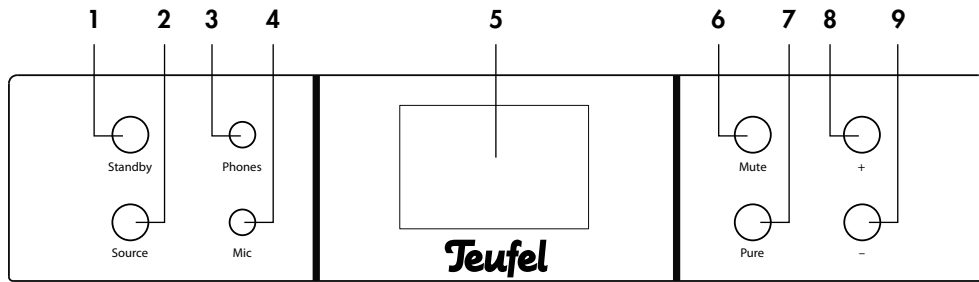
Check to be sure

- Check that all items have been delivered and that nothing is damaged.
- If the delivery is incomplete or you find damage sustained in transit, do not operate the unit but contact our service department (see page 3).



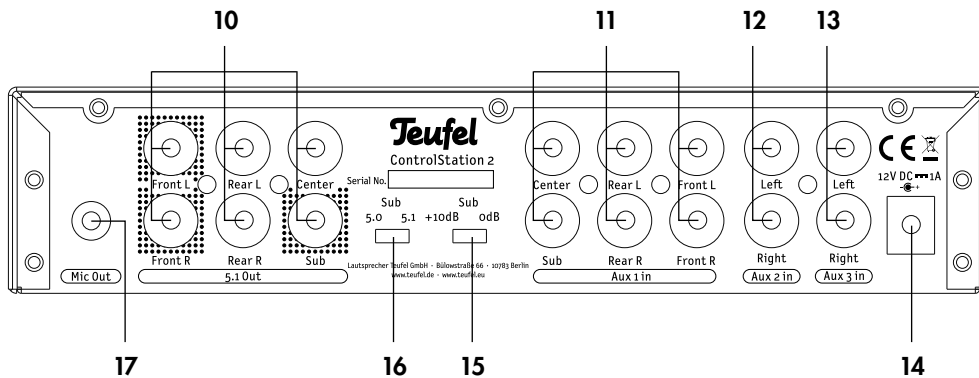
Control elements and connections

Front side







Pos	Name	Description	Pos	Name	Description
1	Standby	On/Standby button	6	Mute	Muting
2	Source	Select an audio source	7	Pure	Switch between stereo (2.0) or 5.1 upmix
3	Phones	Earphone connection	8	+	Increase the volume
4	Mic	Microphone connection	9	-	Reduce the volume
5	—	Display field			

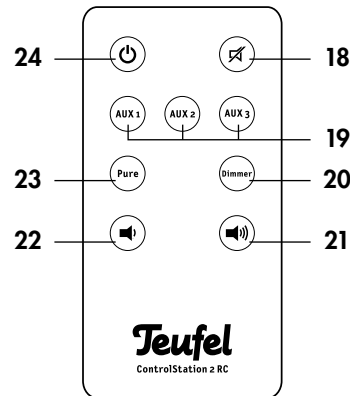
Back side



Pos	Name	Description	Pos	Name	Description
10	5.1 Out	5.1 output to the amplifier	14	12V DC	Connection for the adapter ③
11	Aux 1 In	5.1 input	15	Sub +10dB/0dB	Activate/deactivate the subwoofer boost
12	Aux 2 in	2.0 input	16	Sub 5.0/5.1	Mix subwoofer channel from front channels/route directly
13	Aux 3 in	2.0 input	17	Mic out	Microphone output to the PC

Remote control

Pos	Name	Description
18		Mute
19	Aux 1, Aux 2, Aux 3	Select an audio source
20	Dimmer	Control the display panel brightness
21		Increase the volume
22		Reduce the volume
23	Pure	Switch between stereo (2.0) or 5.1 upmix
24		On/Standby button



Setup and connection

Setup location

- Select a stable, level base.
- Make sure that the environment is clean and free from dust.
- Avoid placing the unit close to sources of heat or in direct sunlight.
- Arrange the connector cables so that they do not pose a trip hazard.
- Do not place any heavy objects on top of the cables or the unit.

5.1 output

Connect your amplifier input to the RCA jacks **10** "5.1 Out". You will need a 6 channel RCA cable set for this. You can find these cables in the "Accessories" area of our webshop at www.teufel.eu. Connect the output jacks with the corresponding inputs on the amplifier and/or 5.1 active subwoofer (see corresponding operating instructions):

Front L/R – front channels left/right

Rear L/R – rear channels left/right

Center – center channel

Sub – subwoofer

5.1 RCA input Aux 1

Connect your PC soundcard or another 5.1 audio source to the jacks **11** "Aux 1 in". You will also need a 6 channel RCA cable set for this.

2.0 RCA inputs Aux 2 and 3

You can connect almost any stereo audio source to the RCA jacks **12** "Aux 2 In" and **13** "Aux 3 In", that is MP3 players (with/without a dock), video game systems, televisions etc. The source only needs one output with a line control. These outputs are either configured as stereo

RCA jacks or as 3.5 mm mini jack. With a corresponding connector cable, you can connect these devices to the RCA jacks **12** "Aux 2 In" or **13** "Aux 3 In".

Microphone connection

You can connect a microphone (e. g. from a headset) to the jack **4** "Mic". This mono sound input is emitted via the mini jack **17** "Mic Out" on the back of the subwoofer. Connect this jack with the microphone input of your PC. You will need a connector cable with two mini jacks for this.

The microphone input is also active when the ControlStation 2 is in standby mode.

Headphones

You can connect stereo headphones to the jack **5** "Phones" – the speakers are automatically deactivated when plugging in headphones.

Connecting to a power supply

- Insert the small wall adapter plug in the jack **14** "12V DC".
- Insert the wall adapter into a power supply socket.

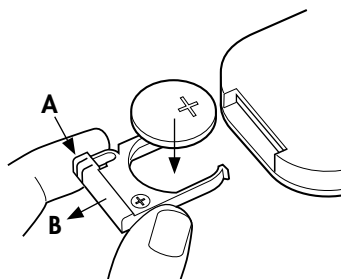
Remote control

A 3-volt button cell, type CR2025, is used to power the remote control.

Upon delivery, this button cell is already in the remote control and is secured by a plastic strip. The strip is visible on the back of the remote control. Just carefully pull it out. The remote control is now ready for use.

Changing the batteries

- Hold the remote control with the bottom facing up.
- Press the bar on the battery compartment to the middle (A) and pull out the compartment (B).
- Take out the empty battery (please observe the notes on page 11).



- Insert the new battery in the holder. Thereby the "+" symbol must be visible on the battery and bracket.
- Put the holder back into the unit and push the compartment until it locks into place.

Functionality

The remote control transmits the control signals via infrared. For this, it is necessary that you point the remote control towards the ControlStation 2. Make sure no objects are in the way of the infrared signal.

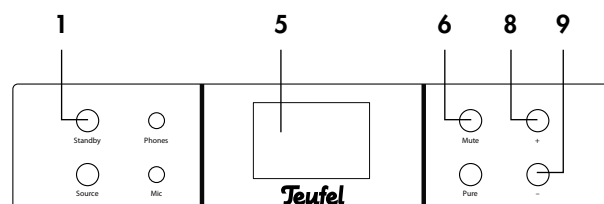
Fluorescent lamps and energy saving lamps installed in the direct vicinity may affect the functions of the remote control or prevent it from working.

Basic functions

Activating and deactivating

After activating, the device is first in standby mode and a blue dot will appear on the display panel 5.

- With the button 1 "Standby" and/or 24 "⏻" you can switch the unit between operating and/or standby mode. In the operating state, the active audio source will be shown on the display panel.



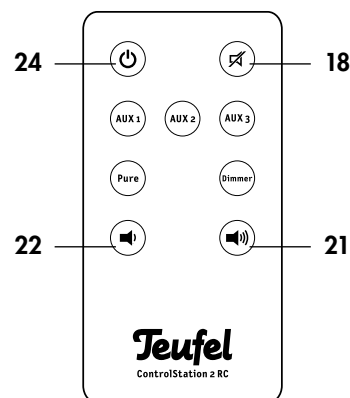
Adjusting the volume

- Increasing the volume: Press button 8 "+" and/or 21 "🔊".
- Reducing the volume: Press button 9 "-" and/or 22 "🔇".

The selected volume will be indicated from 0 to 60 on the display panel 5.

Mute

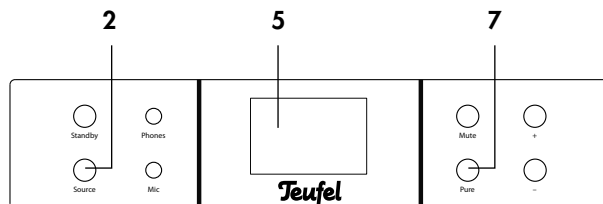
- With the button 6 "Mute" and/or 18 "🔇" you can turn off the sound. The symbol "--" will appear on the display field 5.
- Turning the sound back on: Press button 6 "Mute" and/or 18 "🔊" again or change the volume.



Selecting a source

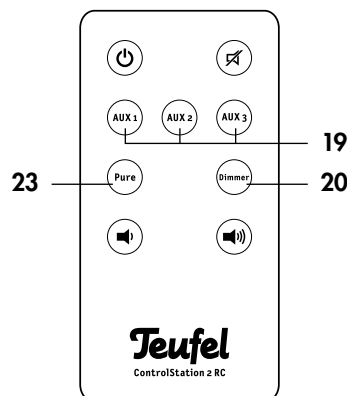
After turning the unit on, the last audio source is selected.

- You can switch the source with the button **2** "Source" and/or the buttons **19** "Aux 1", "Aux 2", and "Aux 3". The selected source is shown on the display panel **5**.



Pure mode

The stereo signal of the sources Aux 2 and Aux 3 In is normally converted to a 5.1 signal ("Upmix"). With the button **7** "Pure" you can turn this conversion on or off. Only the front channels right and left as well as the subwoofer channel are active in pure mode. The corresponding source is shown on the display panel as "P2" and/or "P3" instead of "A2" and/or "A3".



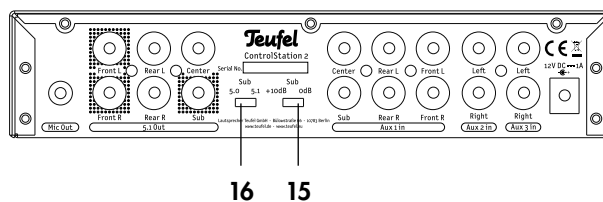
5.0 mode

If your source device does not provide a subwoofer channel, you can switch from 5.1 mode to 5.0 mode with the switch **16** "Sub". Then the signal from the front channels right and left will be mixed to the subwoofer channel.

Boosting the subwoofer

With this function, you can correct the drop-off of the signal level at the subwoofer output, which occurs for several 5.1 sources if the setting "Small" has been selected for the satellites in bass management.

Slide the switch **15** "Sub" to the "+10dB" setting in order to increase the volume of the subwoofer channel of the AUX 1 input by approximately 10dB. The signal will be issued to the subwoofer without any adjustment when the switch is set to "0dB".



Display field

You can adjust the brightness of the display panel from bright to dark using the button **20** "Dimmer".

Care and cleaning

Clean your ControlStation 2 regularly with a soft, slightly damp microfibre cloth. Please note the following carefully:

Attention Risk of damage!



In contact with live parts, water can lead to electric shock or short circuit.

- Ensure that no liquid penetrates the unit.
- Pull the wall adapter out of the socket before cleaning.

Attention Risk of damage!



Using the wrong cleaning materials may damage the delicate surface of the case.

- If possible use only plain water with no cleaning products. In case of stubborn marks, a mild soap solution may be used.
- In no circumstances should caustic cleaning products, white spirit, thinners, petrol or similar be used for cleaning.

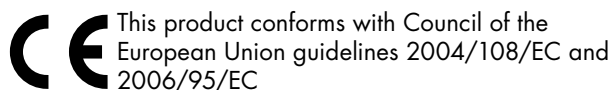
Troubleshooting

The following instructions should help you to solve problems. If this doesn't work, please contact our hotline (see page 3). Mind the warranty instructions.

Problem	Possible cause	Solution
No sound.	The connection to the source device or amplifier has been cut off.	Check the connections (see page 7).
	Volume is set to "0".	Increase the volume.
	Power supply is cut off.	Check the wall adapter and connector cable (see page 7).
The speakers buzz.	The buzzing is caused by problems with the power supply.	Buy a line filter and then connect the device to it.
	The buzzing is caused by a multi-way socket.	Use another multi-way socket or plug the subwoofer directly into the wall socket. In the case of two-pin plugs it may help to insert the plug into the socket the other way around.
Playback is noisy.	The ControlStation 2 is a very low-noise system. What often happens is that the speaker system which is excellent in the treble range exposes the poor quality of a signal source (e. g. from MP3 files).	Make sure that the signal being sent from the source to the ControlStation 2 is free from faults.

Technical data

Power consumption, max:	10 W
Operating voltage of the wall adapter:	100–240 V~ / 50/60 Hz
Operating voltage of the unit:	12 V DC, 1 A
Inputs:	1x 5.1 audio (RCA jacks) 2x stereo (RCA jacks) 1x microphone 3.5 mm mini jack
Outputs:	1x 5.1 audio (RCA jacks) 1x headphones 3.5 mm mini jack 1x microphone 3.5 mm mini jack
Dimensions (W x H x D):	190 x 41 x 155 mm
Net weight:	710 g



Technical changes reserved!

Protection of the environment

Batteries and rechargeable batteries



Batteries and rechargeable batteries must not be disposed of with household waste!

Every consumer is required by law to bring all batteries and rechargeable batteries, whether they contain harmful substances*) or not, to a collection point run by the communal authority or borough or run commercially, so that they can be disposed of in an environmentally friendly manner.

Please only hand in fully discharged batteries!

*) labelled: Cd = cadmium, Hg = mercury, Pb = lead

Disposing of the unit



Used units must not be disposed of with household waste

If the unit is no longer operational, every consumer is required by law to dispose of used devices separate from household waste, e. g. at a collection point run by the communal authority borough. In this way, used devices can be recycled and waste materials disposed of in an environmentally friendly manner.

For this reason, electrical equipment is labelled with the displayed symbol

Teufel

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

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