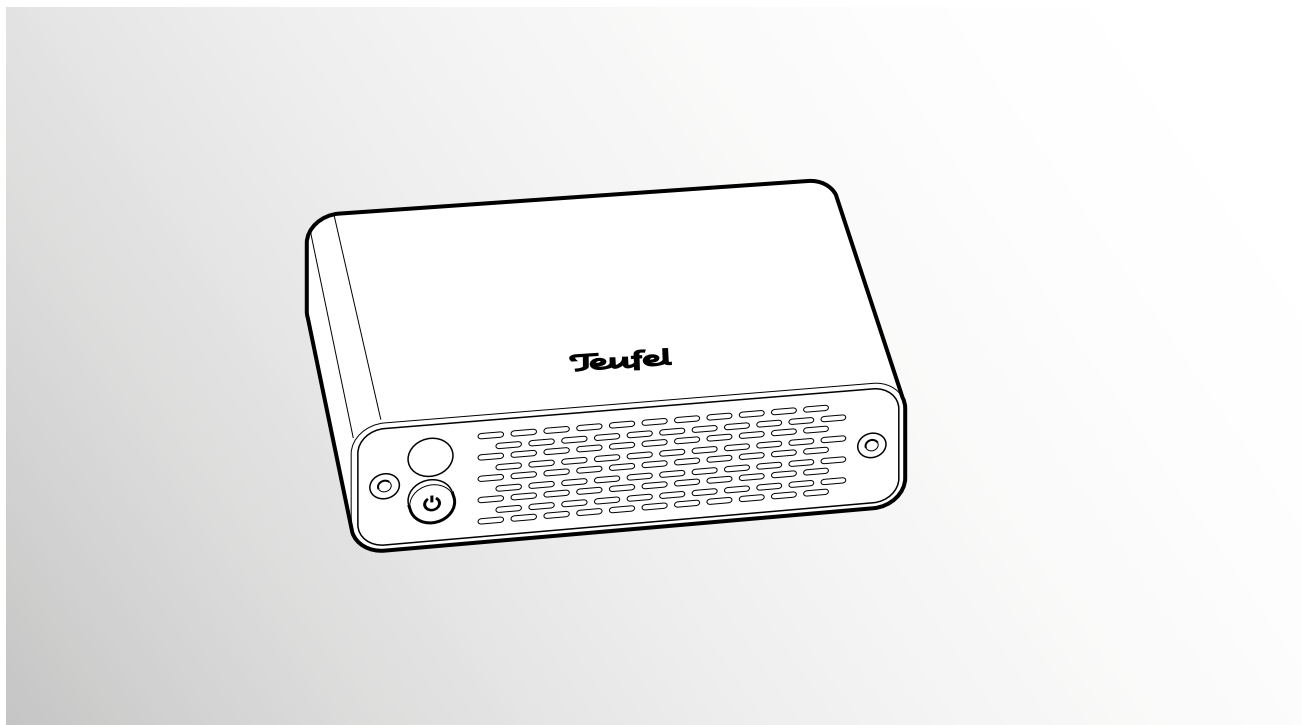


## Technical Description and Operating Instructions



# RearStation

Radio Transmission System  
for rear speakers in your home theater

**Teufel**

## Contents

<b>General notes and information</b> . . . . .	<b>3</b>	<b>Basic functions</b> . . . . .	<b>6</b>
<b>Safety notes</b> . . . . .	<b>3</b>	Activating and deactivating . . . . .	6
Proper use . . . . .	3	Use with the RearStation Compact . . . . .	6
Caution icons . . . . .	3	<b>Care and cleaning.</b> . . . . .	<b>6</b>
Safety notes . . . . .	3	<b>Protecting the environment</b> . . . . .	<b>6</b>
<b>Overview</b> . . . . .	<b>4</b>	Disposing of the unit. . . . .	6
<b>Control elements and connections.</b> . . . . .	<b>5</b>	<b>Troubleshooting.</b> . . . . .	<b>7</b>
<b>Setup and connection</b> . . . . .	<b>5</b>	<b>Technical data.</b> . . . . .	<b>7</b>
Setup location . . . . .	5	<b>Declaration of Conformity.</b> . . . . .	<b>8</b>
Audio input. . . . .	5		
Connecting to a power supply . . . . .	5		

## General notes and information

### Notice

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

No part of these instructions may be reproduced in any form or be broadcasted in any way electronically, mechanically, by photocopy or recording without the written permission of Lautsprecher Teufel GmbH.

© Lautsprecher Teufel GmbH  
Version 4.0, July 2020

### 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.

#### 2. Serial / batch number

Located on the back of the device,  
e. g. Serial #: RS00400340122A-123

Many thanks for your support!

### Contact

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

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

Phone 00800 20030040 (toll-free)

Fax: +4930 300930930

Service: [www.teufelaudio.com/service](http://www.teufelaudio.com/service)

Contact: [www.teufelaudio.com/contact](http://www.teufelaudio.com/contact)

# Safety notes

## 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.

## 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 mains adapter is only suitable for a mains voltage of 100–240 V ~, 50/60 Hz.
- If the unit's case or mains cable is defective or shows other signs of visible damage, disconnect the mains adapter immediately from the socket and do not operate the device.
- If the device produces smoke, a burning odour or emits unusual sounds, immediately disconnect it from the mains and discontinue use.
- The standby button does not disconnect the device from the power supply. For this reason, connect it to an easily accessible socket so that you can quickly disconnect it from the power supply in the event of faults.
- Never open the unit case.  
Repairs may only be carried out by an authorised specialist workshop. Only use parts which conform with the original unit specifications. There are electrical

and mechanical parts in this unit which are essential in order to avoid exposure to sources of danger.

- Do not insert any object through the vent slots in the case.
- Only use the unit in indoor areas.
- 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. Send the unit to our service address.
- Never touch the mains adapter with wet hands.
- Check the unit regularly for damage.

### Danger Danger to children!



Children often do not recognise dangers and require special supervision for this reason.

- 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. buttons or plug adapters). They could swallow the parts and choke.
- Never allow children to operate electrical devices unsupervised.

### Danger Danger to hearing!



Loud noise may lead to hearing loss.

The system may emit very high sound pressure levels unexpectedly when it is suddenly triggered into activity by a bass impulse (especially in mode »Standby/Auto On«) and if it has been set to full volume. In addition to physical injury, psychological stress may also be caused as a result. Children and pets are particularly sensitive to noise.

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

### Danger Danger of injury/damage!



Incorrect location may result in damage.

- Do not use the device unmounted in vehicles without having it secured, in unstable locations, on wobbly tripods or furniture, on underdimensioned brackets etc. The device could tip or fall down and cause injury to persons or be damaged itself.
- Arrange the speakers so that they cannot be knocked over accidentally and make sure that the cables do not pose a trip hazard.
- Ensure that any wall mounting is performed in a professional manner.

- Only use suitable wall brackets for mounting. Check the carrying capacity of the walls.
- Only set up the device and the speakers on stable, level surfaces.
- 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.
- If the device is subjected to warm temperatures after being cold (e. g. after transport), condensation may occur inside of it. Wait at least 2 hours before you connect and activate it.

## Overview

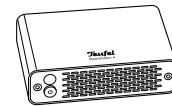
---

### Product contents

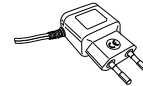
(1) 1 × transmitter (RearStation)

(2) 1 × mains adapter for the transmitter

(1)



(2)



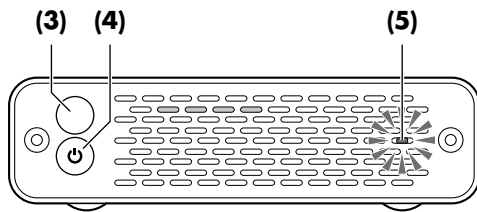
### Check to be sure

- 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 2).

## Control elements and connections

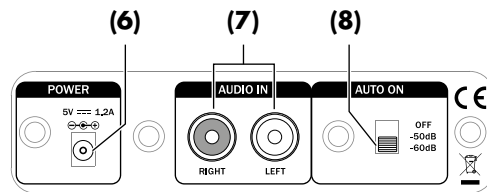
### Transmitter RearStation

#### Front side



Pos	Name	Description
(3)	-	Infrared receiver
(4)	⏻	Switch the device on or to standby
(5)	-	Power LED

#### Back side



Pos	Name	Description
(6)	<b>POWER</b>	Connection for mains adapter (2)
(7)	<b>AUDIO IN</b>	Audio input jacks
(8)	<b>AUTO ON</b>	Switch for automatic activation/deactivation

## Setup and connection

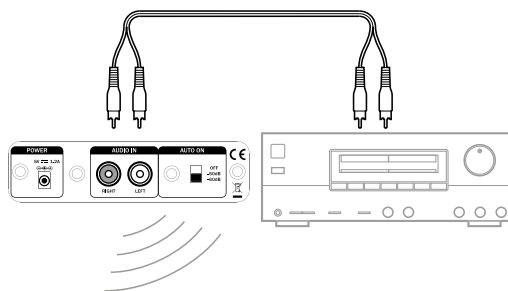
### Setup location

- 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.

With the RearStation, you can send stereo audio signals to two speakers via wireless link; this eliminates the need for installing speaker cables. The system can cover a distance of 20 metres, but that may be reduced by objects (furniture) and walls.

The RearStation is therefore ideal for driving the back speakers of a 5.1/7.1 home cinema system if the AV receiver outputs the rear channels on RCA jacks (line level). With some receiver models it may be necessary to activate these line outputs in the settings.

If you don't find a line-out on your device, you need a level converter, which you will find in our webshop. This converts the high-level signal into a line signal.

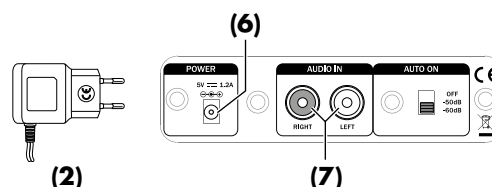


### Audio input

Connect the source device with analogue sound to the "AUDIO IN" jacks (7). For this, you will need a dual RCA cable (L and R).

### Connecting to a power supply

- Connect the small plug of the mains adapter (2) with the "POWER" jack (6) of the transmitter (1).
- Insert the mains adapter in a mains socket.



## Basic functions

### Activating and deactivating

After you connected the mains adapter, the device is in standby mode.

#### Activation

- Push the "⏻" button **(4)** on the transmitter.

#### Switching to standby

- Push the "⏻" button **(4)** on the transmitter.

#### Switching to "deep sleep mode"

- Press the „⏻“button **(4)** on the transmitter for more than 5 seconds.

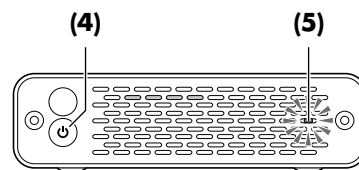
The system is switched to the "deep sleep mode".

Thereby the wireless connection is turned off and the power consumption is reduced to less than 0.5 W.

In "deep sleep mode" the power LED **(5)** flashes red.



The activation of the system by the receiver is no longer possible in „deep sleep mode“.



#### Power LED

The power LED **(5)** is blue during normal operation. If there is no radio connection with another device, the power LED is red.

### Use with the RearStation Compact

- To use with the RearStation Compact, read the enclosed operating instructions.
- The coupling is fully automatic.



If the receivers are out of range or not connected to the power supply, the RearStation will automatically switch off after a brief flash of the red LED.

## Care and cleaning

Clean the device regularly with a soft, damp microfibre cloth. In the process, be absolutely sure to observe the following notes:

#### Danger Risk of electric shock!



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

- Ensure that no liquid penetrates the unit.
- Disconnect the mains plug 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.
- Under no circumstances should caustic cleaning products, white spirit, thinners, petrol or similar be used for cleaning.

## Protecting the environment

### Disposing of the unit



#### Used units must not be disposed of with household waste

If the unit is no longer operational, every consumer is required by law to dispose of used devices separate from household waste, e. g. at a collection point run by the communal 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.

## Troubleshooting

The following instructions should help you to solve problems. If this doesn't work, please contact our hotline (see page 2). Mind the warranty instructions.

Problem	Possible cause	Solution
Device is not working, the power LED is dark	No power supply	Check that the power plug is properly inserted
		Check the function of the power outlet with another device
		Check the connection range
No playback	Audio connection to the source device interrupted	Check the connector cable between transmitter and source
No sound or only one speaker audible	Speaker incorrectly wired	Check and correct wiring
No or distorted playback, power LED is on or flickering red	Radio range exceeded or radio wave distorted by obstacles	Place the unit closer together or higher up (people are also obstacles for radio waves!)

### Note to the 2019 version

This device is an updated version („2019“) of its predecessor. It uses a modified transmission technology (higher bit depth) and is therefore not compatible with the devices of the previous version.

## Technical data

### RearStation

Dimensions (W x H x D):	110 x 32 x 86 mm
Weight:	150 g
Power supply:	5 V DC

### Mains adapter

Input voltage:	100–240 V ~, 50/60 Hz, 0.34 A max.
Output voltage:	5.0 V DC, 1.2 A, 6.0 W
Average efficiency:	0.77 %
Low load efficiency (10%):	0.75 %

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

## Declaration of Conformity



Lautsprecher Teufel GmbH hereby declares that this product is in accordance with the requirements of directives 2014/30/EU, 2014/35/EU and 2014/53/EU as long as it is installed and used according to the manufacturer's instructions.

The full text of the EU Declaration of Conformity is available at the following Internet address:  
[www.teufelaudio.com/declaration-of-conformity.html](http://www.teufelaudio.com/declaration-of-conformity.html)

The following radio frequency bands and radio transmitters are used in this product:

Radio network	Frequency bands in GHz	Transmitter power mW/dBm
SMSC	2.400–2.483	25/14
	5.150–5.875	8/9

# Teufel

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

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

Phone.: 00800 20030040 (toll-free)  
Fax: +4930 300930930  
Service: [www.teufelaudio.com/service](http://www.teufelaudio.com/service)  
Contact: [www.teufelaudio.com/contact](http://www.teufelaudio.com/contact)

No liability is accepted for the accuracy of this information. Technical changes, typographical errors and other errors reserved.

Instruction No. 196808\_01 EN 20200721