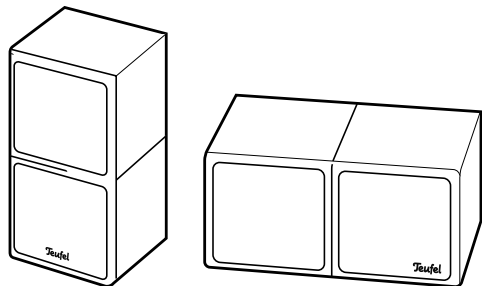


# Technical Description and Operating Instructions



**Speaker set  
CUB 2 FCR**

**Teufel**  
... makes you happy

## General notes and information

### Proper use

Only use the device as described in these operating instructions and the enclosed quick guide. 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 unit is intended for private use.



Before operating the speakers 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.

### Notice

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

### 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 a device WITH THE ORIGINAL PACKAGING. Empty boxes are not available!

### Complaints

In case of a complaint we implicitly need your invoice number and the serial or lot number for processing. The serial number can be found on the back side of the device.  
Many thanks for your support!

### Contact

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

Lautsprecher Teufel GmbH  
Gewerbehof Buelowbogen  
Buelowstrasse 66  
10783 Berlin (Germany)

**Phone: 00800 - 200 300 40 (free of charge)**

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




**E-mail: [service@teufelaudio.com](mailto:service@teufelaudio.com)**


**[www.teufelaudio.com](http://www.teufelaudio.com)**

# Safety notes


## Caution icons

You will find the following caution icons 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.

 **Danger to hearing!** Loud noise may lead to hearing loss. This may have mental 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.
- Prevent damage to health and avoid extended listening at high volume.

 **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.
- Only use the unit in indoor areas.
- Do not use the unit in damp areas and protect it from drops of water and splash water. Also take care not to stand vases or other containers filled with liquid on or near the speaker in order to avoid liquid getting into the case.

 **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 or take them off of the unit (e.g. control knobs or plug adapters). They could swallow the parts and choke. Never allow children to operate electrical devices unsupervised.

 **Danger Danger of injury/damage!** Incorrect location may result in damage.

- Never use the units unmounted in vehicles, in unstable locations, on wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The speakers could tip or fall down and cause injury to persons or be damaged.
- Set up the speakers so that there is no risk of them tipping over and the cables don't represent a tripping hazard.
- If mounting the speakers on the wall, make sure that the installation is carried out expertly.
- Only use suitable wall holders to mount the speakers. Verify the carrying capacity of the walls.
- Do not place the unit near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.)

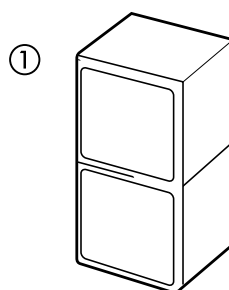
## Technical data

Impedance:	4-8 Ohm
Dimensions (W x D x H):	95 x 95 x 190 mm
Net weight:	1.2 kg

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

## Product contents

- ① 5 x satellite speakers CUB 2 FCR
- ② 20 x rubber buffers



### 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 device; instead contact our service department.

# Setting up the speakers

## Setup location

- Select a stable, level base or a suitable wall.
- 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 the cables or the speakers.

## Setup

The following data concern an “ideal home cinema”, in which the viewer or listener sits in a central position at a sufficient distance in front of the video screen or screen (see the following graphic) and no objects (tables or the like) are located in between. Unfortunately, the room, furnishings or other circumstances do not always allow for optimum arrangement. Modern software in the players offers diverse possibilities to electronically compensate for possible compromises in the placement. The following general rule applies: You can always experiment on what works best in your listening room in terms of sound and appearance based on our recommendations. Let your ears (and eyes) be the judge!

### Mounting the rubber buffers

- Affix 4 rubber buffers ② serving as resonance dampers in the bottom side corners of each speaker.

### Center speaker

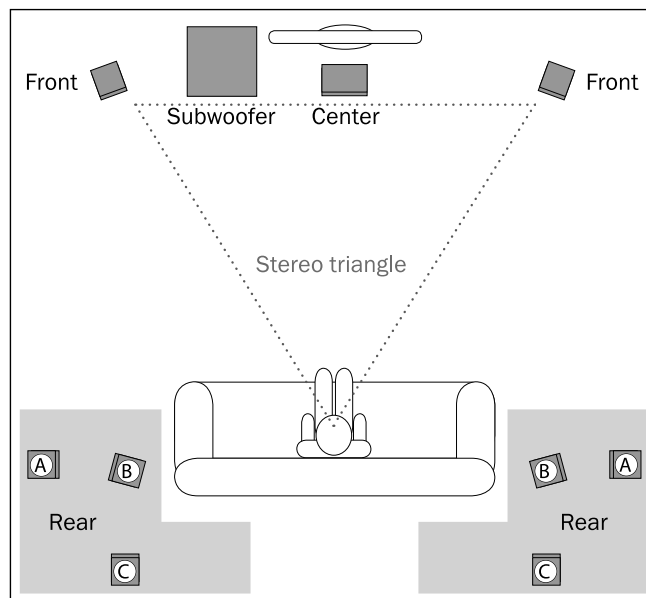
- Place the center speaker in a central position under or above the video screen or screen.

### Front speaker

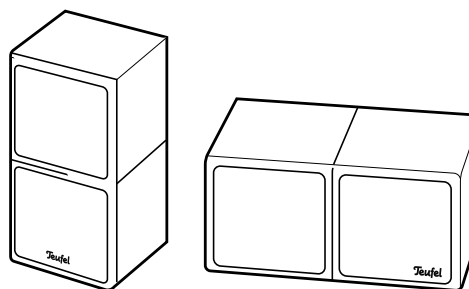
- The front speakers are set up to the right and left of the screen or hung at a height of approx. 80 to 160 cm.
- They should be in line with the center speaker and form an equilateral triangle with the listener – the so-called stereo triangle (distance from the listener = distance between the speakers).
- The speakers should project sound directly into the room or slightly towards the listener.

### Rear speakers

- The rear speakers are set up or hung next to or behind the listener at a height of 1.20 m to 2.10 m.
- The ideal position is offset by approx. 20 degrees from the parallel position to the listener on the left and right side ①. It is generally recommended that the distance of the rear speakers to the hearer’s place exceeds 1 m. However, if you (need to) sit closer please ensure that the front side of the speaker is not directly facing you. Rather, the speaker must be angled towards the wall ②. Alternatively, you can create a greater distance by placing the speakers higher than 1.20 m (e.g. also on the ceiling) or further away ③.



Place the speakers within the grey areas please. You can place the individual satellites in a vertical or horizontal position in each case.



The Teufel logo magnetically adheres to the speakers and can easily be removed. Place it either in the centre bottom position (front or rear) or in the lower right corner (center).

## Wall mounting

### **Danger Risk of damage!**

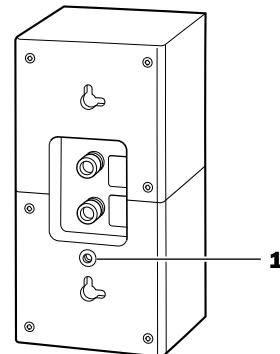
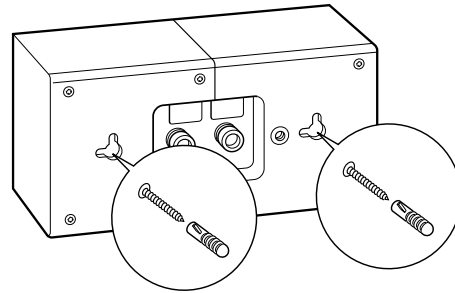


Improper assembly may result in damage.

- If mounting the speakers on the wall, make sure that the installation is carried out expertly.
  - Before drilling the holes, make sure that no pipes are located within the drilling area using a metal detector.
  - Only use suitable screws and dowels to mount the speakers. Verify the carrying capacity of the walls.
- 
- Affix 4 rubber buffers ② serving as resonance dampers in the back side corners of each speaker. Later on, they serve as spacers for the cables.
  - Hang the satellite speakers up on the wall using the keyhole openings on the speaker back side and the screws you previously mounted.

### **Mounting a wall holder or speaker stand**

The threaded hole **1** is intended for mounting a wall holder or speaker stand. You can find suitable products for this in our web shop.



# Connecting the speakers

## Connecting

### **Danger** Danger of injury/damage!



Arrange the cables so that they do not pose a trip hazard.

- Pull the power plug of your AV receiver or multi-channel active subwoofer out of the socket.
- Lay the speaker cables from your AV receiver or multi-channel active subwoofer to each speaker. If the enclosed speaker cable is not long enough, order more high-quality double wire cables with marked strands on our website in the "Accessories" area.
- A connector comprising two terminals is located on the back side of each speaker, to which you have to connect the speaker cables.
- The terminal clips are each marked red (+) and black (-).



### **Make sure the polarity is correct!**

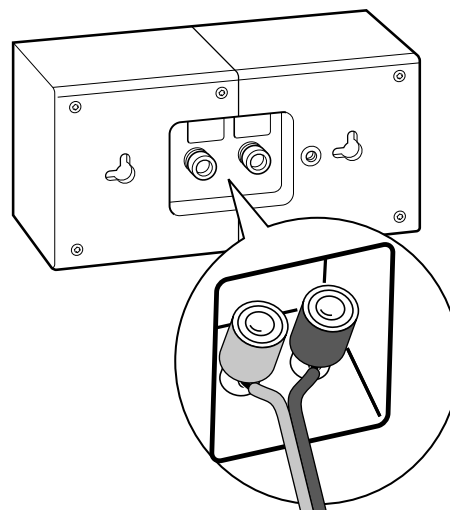
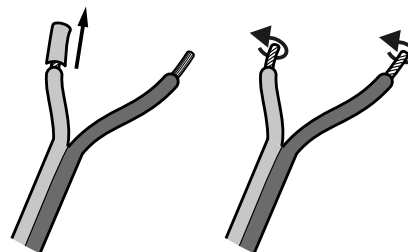
Connect the like coloured terminals. Otherwise, the sound quality will suffer.

The speaker connections of your AV receiver or multi-channel active subwoofer should be marked similarly. The strands of the speaker cables are marked with different colours or shapes.

1. Split the single wire down to approx. 30 mm on both ends and strip approx. 10 mm of insulation off of each cord.
2. Twist the stripped single wire ends together so that no wire protrudes. Tin coating is not necessary.
3. Turn the connector terminal counterclockwise until loose. Run the stripped cable end into the now visible hole. Close the terminal by turning it counterclockwise. The cable has now been clamped in place.
4. Connect the cables to the other speakers in the same way.
5. Connect the speaker cables to your AV receiver or multi-channel active subwoofer. The operating instructions of the appliance should contain notes on this.

## Crossover frequency

- Don't use the satellites as full-range speakers.
- It is recommended to set a separation frequency of 200 Hz on the AV receiver. Depending on the sound preferences and spatial conditions you may however also choose a value in the range from 150 to 250 Hz. The higher the separation frequency is set, the higher the undistorted maximum volume of the system is.
- Please be absolutely sure to adhere to the notes in the operating instructions of your AV receiver.



## Cleaning and care

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

- 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 notes and further detailed **information on our website** should help you to rectify malfunctions. If this does not lead to success, please contact our hotline ☎ 00800 - 200 300 40 (free of charge). Please also observe the warranty notes.

Problem	Possible cause	Solution
Playback is noisy.	The speaker set is very low-noise in general. In most cases, the speaker system with exceptional 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.
The sound seems dull.	The speakers have been connected with the wrong poles.	Make sure the speaker cables of all satellites are connected properly.

## Protecting the environment

### Disposal 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 separately from household waste, e.g. at a collec-

tion point run by the communal authority borough. In this way it is ensured, that used devices are properly recycled and that negative consequences on the environment are avoided. For this reason, electrical equipment is labelled with the displayed symbol.



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



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