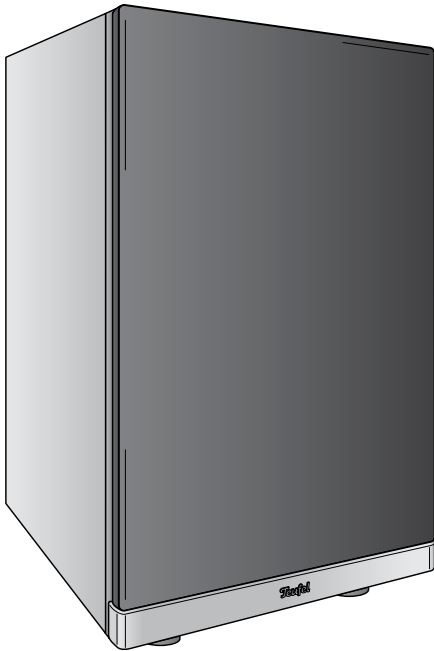


# Technical description and operating instructions



**Active subwoofer  
US 4110/6 SW**

**Teufel**  
... makes you happy

## General notes and information

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### Proper use

Only use the unit as described in these operating instructions. 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 Risk of electric shock!**

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


- The device is suitable for use with a power supply voltage of 230 V~/50 Hz. When connecting, make sure that the right voltage is present. See the name plate for details.
- Check the unit regularly for damage. Immediately disconnect the power plug/the AC adapter plug and do not operate the unit if its housing or the supply cable 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.
- Set up the unit so that the mains plug is easily accessible and no vent slots are blocked.
- Never open the unit's housing. Repairs may only be carried out by an authorised specialist workshop. Only parts which conform with the original device specifications may be used for repairs. There are electrical and mechanical parts in this unit which are necessary in order to avoid exposure to sources of danger.
- Only use the accessory products specified by the manufacturer.
- Do not insert any objects through the vent slots in the housing.
- Only use the unit in indoor areas.
- Do not operate the unit in moist 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. If water or other foreign objects have entered into the unit, immediately disconnect the mains adapter and if applicable, remove any batteries. Then send the device in to our service address.
- Never touch the power plug with wet hands.

### **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 device or pull them off of the device (e.g. the batteries from the remote control, knobs or plug adapters). They could swallow the parts and choke.

### **Danger Risk of injury**

 An unstable base may cause the unit to tip and injure or even kill persons, children are particularly at risk. You can prevent many accidents by taking the following precautions.


- Only place the subwoofer on the floor.
- If you want to use underframes or speaker stands, only use those recommended by the manufacturer.
- When storing the product, also ensure that it stands safely and that it cannot be knocked down or over.

### **Danger to hearing!**

 Loud noise may lead to hearing loss. Very high noise pressure may suddenly be emitted, especially if a subwoofer is activated and set to full volume. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk.


- Set the volume control of your signal source 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!**

 Setting the device up in an unsuitable location may result in injury to persons and/or damage to property.

- Never use the unit unmounted in vehicles, in unstable locations, on wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The device could tip or fall down and cause injury to persons or be damaged 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.).

### **Danger Fire hazard!**

 Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the unit.
- Do not place the unit in direct sunlight.

## Explanation of symbols



Protection class II  
Dual insulation

# Product contents and technical data

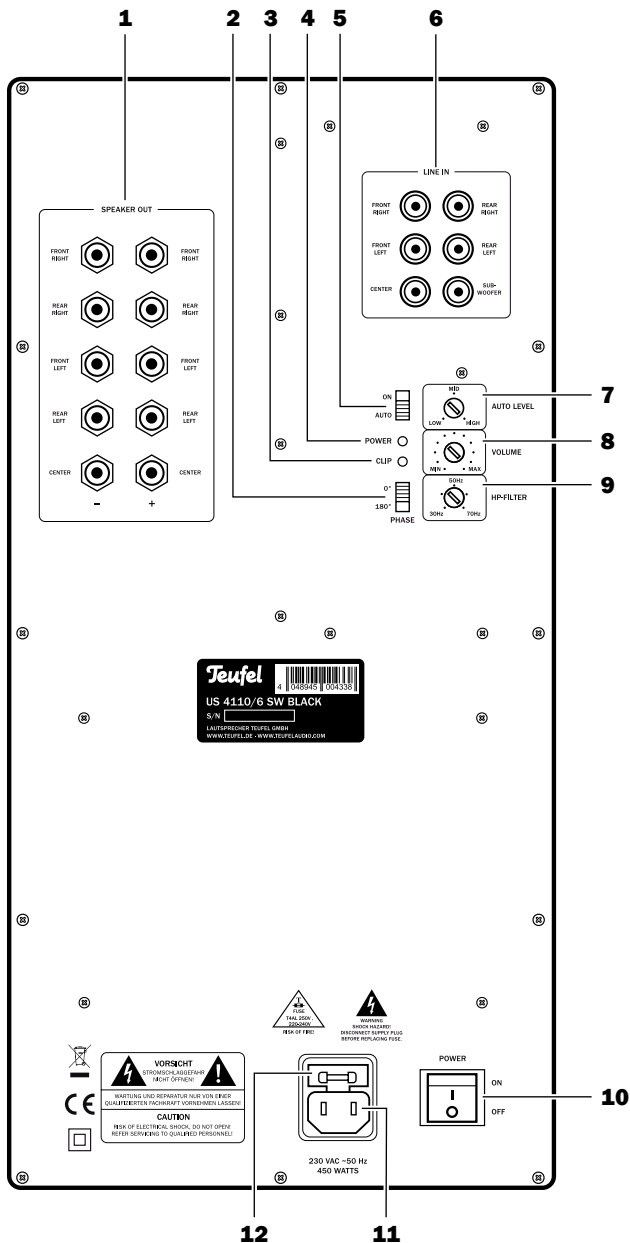
|  |  |
|--|--|
| Product contents                             | 1 Subwoofer US 4110/6 SW<br>1 power cord |
| Dimensions (WxHxD)<br>Height including feet: | 345 mm x 510 mm x 352 mm<br>545 mm       |
| Weight                                       | 20.4 kg                                  |
| Operating voltage                            | 230 V~/50 Hz                             |
| Max. power consumption                       | 450 watts                                |

**!** Check that all items have been delivered and that nothing is damaged. In case of damage do not use the product. Instead, contact our service centre.

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

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

# Control elements and connections



| Item | Name        | Description   |
|------|-------------|---|
| 1    | Speaker Out | Connector jacks for the satellite speakers                  |
| 2    | Phase       | Activate/deactivate phase shifting (180°) for the subwoofer |
| 3    | Clip        | Overload LED  |
| 4    | Power       | Power control LED   |
| 5    | On/Auto     | Switch for automatic activation                             |
| 6    | Line In     | Analogue 5.1 audio input jacks                              |
| 7    | Auto Level  | Set the input sensitivity for the automatic activation      |
| 8    | Volume      | Volume control for subwoofer                                |
| 9    | HP-Filter   | High-pass filter to fade out low frequencies                |
| 10   | Power       | Mains switch  |
| 11   | -           | Connector jack for power cord                               |
| 12   | -           | Mains fuse  |

# Unpacking, setup and connection

## Unpacking

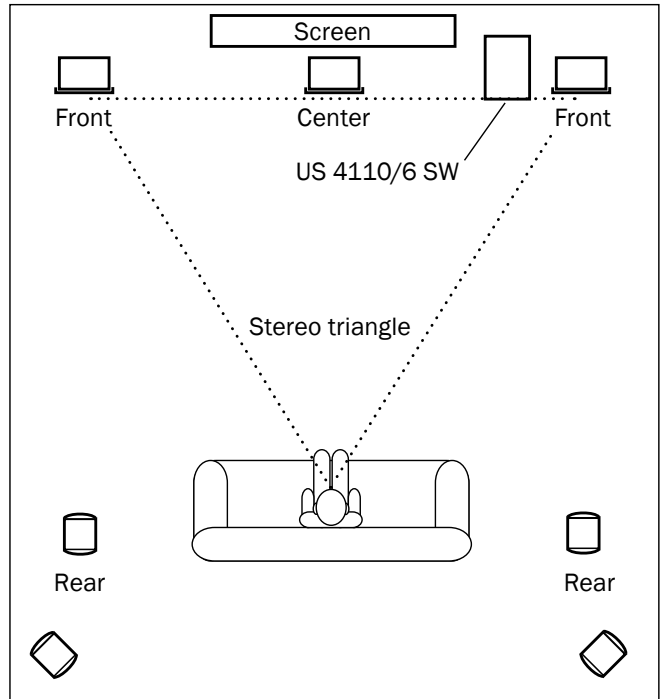
- Open the box carefully, lift out the speaker together with the EPE foam parts carefully and remove the foam parts without reaching into the diaphragms.

## Setup notes

### Note

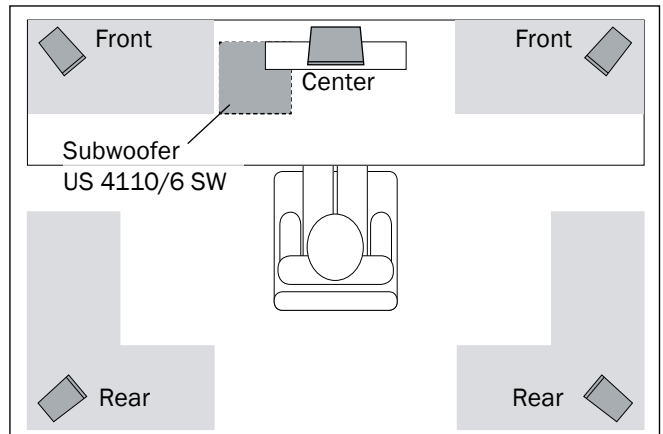
Our website contains comprehensive notes for correct setup.

- 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 the cables or the speaker.
- The location of the subwoofer can be freely selected and does not influence the other speakers. However, do not place it in the corner of a room as this may cause uncontrollable frequency overloads. A location between the front speakers is often ideal.
- Make sure that the speaker has a stable position to prevent vibrations.



## Setup as a PC system

When using the unit as a PC sound system, concentrating on emitting sound directly at the PC workstation is advisable, that is, the area where the monitor and listener are located. Please position the speakers within the grey areas.



## Connecting the subwoofer

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



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

1. Pull the power plug of all devices to be connected out of the socket to prevent accidental activation.
2. Use 3 stereo RCA cables to connect the LINE IN jacks **6** of the subwoofer with the 5.1 output jacks of a preamplifier, such as a DecoderStation or ControlStation.  
In the process, make sure that you always connect jacks of the same name with each other (e.g. Center/Center or Subwoofer/Sub).

## Connecting satellite speakers

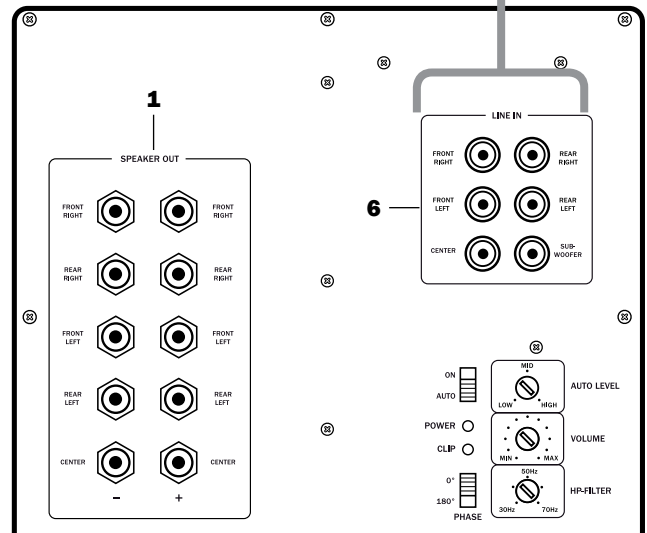
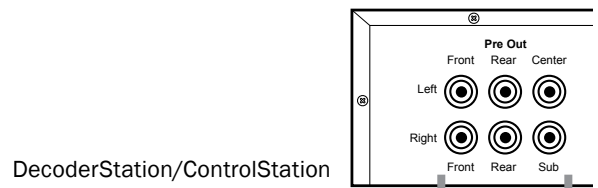


### **Make sure the polarity is correct!**

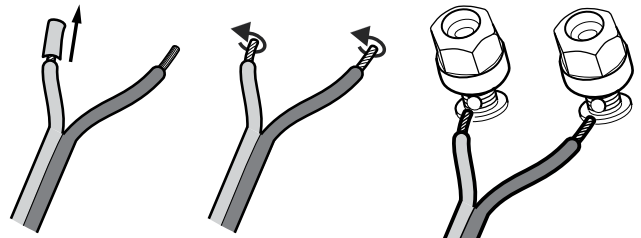
Connect the like coloured terminals. Otherwise the sound quality will suffer.

The strands of the speaker cables are marked with different colours or shapes.

3. The connector terminals **1** for the satellite speakers are located on the back side of the subwoofer.  
Run the enclosed speaker cables from the subwoofer to each satellite speaker.  
Small tip: Label the cables on the subwoofer side. This will help when taking down and setting up the system.
4. Split the speaker cables down to approx. 30 mm on both ends and remove approx. 10 mm of insulation.
5. Twist the stripped cable ends so that no wires are protruding.  
Tin coating is not necessary.
6. 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.  
Connect all cables to the subwoofer in this way.
7. Connect the other ends of the speaker cables to the satellite speakers. You should find notes on the procedure in the corresponding operating instructions.

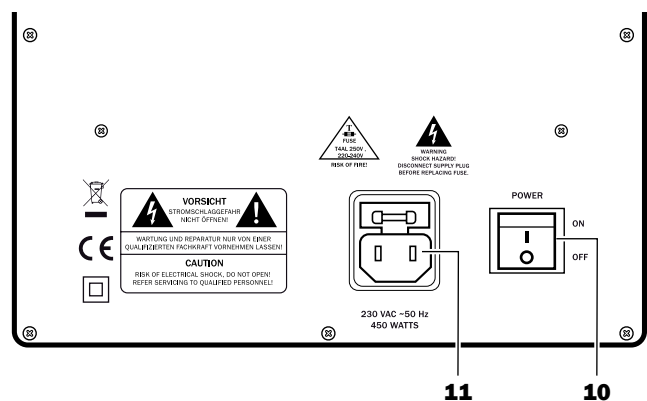


Subwoofer US 4110/6 SW



## Connecting to a power supply

- Ensure that the mains switch **10** "Power" on the subwoofer is switched off ("0 OFF" position).
- Connect the mains connector jack **11** with a mains socket using the power cord.
- In addition, reconnect the power plug of your preamplifier (DecoderStation or ControlStation) to the socket.



# Use

## Activating/deactivating and switching to standby mode

- The subwoofer is activated or deactivated with the switch **10** "Power". When the subwoofer is on, the LED **4** "Power" is illuminated in
  - green, if the subwoofer is in operating mode
  - red, if the subwoofer is in standby mode.

## Automatic activation/switching to standby mode

- Switch **5** "On Auto":
  - **Auto** position: The subwoofer activates as soon as an audio signal is present at the input jacks **6** "Line In". If there is no audio signal for 20 minutes, the subwoofer automatically switches to standby mode.
  - **On** position: The subwoofer is continually activated.

## Changing the input sensitivity of the automatic activation

- You can change the sensitivity of the automatic activation using the controller **7** "Auto Level". This is helpful if the subwoofer does not activate in spite of a present audio signal or if it is activated by glitches. Use a small screw driver for turning the controller.

## Volume

- You can control the volume of your subwoofer using the volume control **8** "Volume".

## Phase

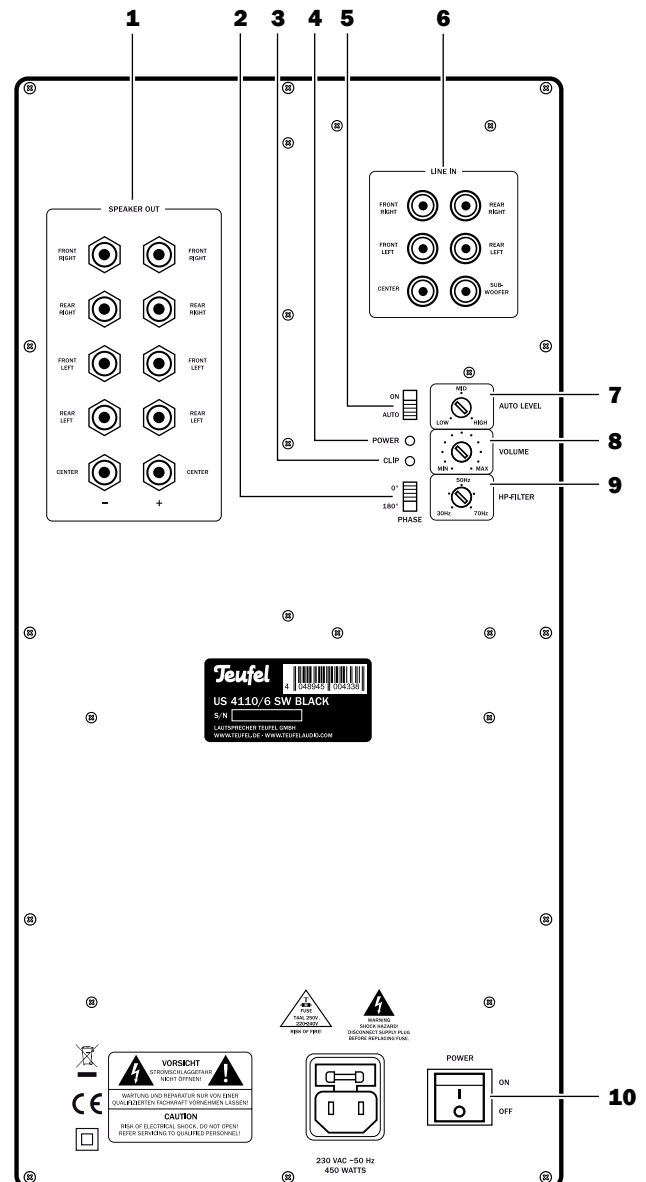
- You activate and deactivate phase shifting (180°) for the subwoofer using the switch **2** "Phase". Choose a setting at which the subwoofer emits the loudest and most precise sound.

## HP-Filter

- With the high-pass filter **9** you can set a value between 30 and 70 Hz. All frequencies, which are lower than this set value are weakened or completely faded out.
- The filter is intended to adjust the subwoofer to small rooms in order to avoid potential droning sounds.

## Clip

- The LED **3** "Clip" is illuminated if the subwoofer is overloaded due to an excessive input signal. Reduce the input signal if this LED lights up.
- The LED keeps lighting up if
  - ① over temperature limit
  - ② supply power failure.



# Cleaning and care

Clean the subwoofer regularly with a soft, damp microfiber 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.

## **Danger Risk of electric shock!**



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

- Make sure that no liquid penetrates the unit.
- Disconnect the mains plug before cleaning.

## **Attention Risk of damage!**

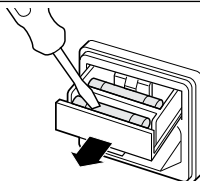
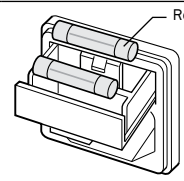


Using the wrong cleaning materials may damage the delicate surface of the case.

If possible, 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. In case you don't succeed, please contact our hotline ☎ +49 (0) 30/3009300. Please also observe the warranty notes.

| Problem   | Possible cause   | Solution  |
|---|--|---|
| The subwoofer isn't working. The LED <b>4</b> "Power" is not illuminated.     | The subwoofer is off or doesn't have any power.                            | Turn on the switch <b>10</b> "Power" ("On I").<br>Check the power cord and socket.  |
|   | Fuse is defective.   | <ol style="list-style-type: none"> <li><br/>Disconnect the power cord. Carefully pull the fuse holder out of the mains connection.</li> <li> Replacement<br/>Press out the old fuse. Insert a new fuse (4 A delayed action) and push the holder back.</li> </ol> |
| The subwoofer doesn't work, the LED <b>4</b> "Power" is illuminated in green. | The volume has been set too low.   | Increase the volume using the controller <b>8</b> "Volume".   |
| The subwoofer does not activate.  | The sensitivity setting for the automatic activation is insufficient.      | Turn the controller <b>7</b> "Auto Level" towards "High", or increase the subwoofer level in the DecoderStation/ControlStation.   |
| The subwoofer activates inadvertently.  | The sensitivity setting for the automatic activation is too high.          | Turn the controller <b>7</b> "Auto Level" towards "Low".  |
| The subwoofer drones.   | The room is too small.   | Increase the setting of the HP filter <b>9</b> .  |
| The subwoofer hums.   | The subwoofer is connected to another circuit than the rest of the system. | Connect the subwoofer and source device to the same electric circuit.   |
|   | The buzzing is caused by problems with the power supply.                   | Buy a line filter and connect both devices to it.   |
|   | The buzzing is caused by a multiple socket.                                | Use another multi-outlet power strip or connect the subwoofer directly to the wall socket. It may also help to insert the power plug the other way around.  |

# Protecting the environment

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## 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 collection 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.

## **Lautsprecher Teufel GmbH**

Gewerbehof Buelowbogen - Ausgang D1  
Buelowstr. 66, 10783 Berlin (Germany)

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

Phone: 00800 - 200 300 40  
(free of charge)  
Fax: +49 (0)30 / 300 930 930

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