

Technical Description and Operating Instructions



**Active subwoofer
US 8112/8 SW**

Teufel

General notes and information

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 unit 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 any other issues please contact our customer service department:

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

Phone 00800 - 200 300 40 (toll-free)

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E-Mail: service@teufelaudio.com

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Product contents and technical data

Product contents	1 Subwoofer US 8112/8 SW
	1 power cord
Dimensions (WxHxD)	380 mm x 550 mm x 470 mm
Weight	26.2 kg
Operating voltage	230 V~/50 Hz
Max. power consumption	900 watts

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



Check that all items have been delivered and that nothing is damaged. If you find damage, do not operate the device; instead contact our service department.



This product complies with the directives of the Council of the European Community 2004/108/EC and 2006/95/EC.

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 unit is suitable for use with a power supply voltage of 230 V~ / 50 Hz. Make sure that the mains voltage is correct. For more information, refer to the nameplate.
- Check the unit regularly for damage. If the unit's case or mains cable is defective or shows other signs of visible damage, disconnect the power plug immediately and do not operate the unit.
- This device is disconnected from the grid by pulling the power plug. Thus, make sure that the power plug is always easily accessible.
- 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.
- Place the device such that no vents 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 unit specifications may be used in this case. There are electrical and mechanical parts in this unit which are necessary in order to avoid exposure to sources of danger.
- Use only accessories 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 damp areas and protect it from drops of water or 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 any foreign object does enter the casing, immediately disconnect the AC adapter plug and remove any batteries if present. Then send the unit to our service address.
- Never touch the power plug / mains adapter with damp hands.

Danger Risk of injury

-  Placing the unit on an unstable surface may cause the unit to tip over and cause serious injury or even death, particularly to children. 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 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 pull them off of the unit (e.g. the batteries from the remote control, knobs or plug adapters). They could swallow the parts and choke.



Danger to hearing!

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 from the unit and never place your ear directly on the speaker.
- Particularly when the subwoofer has been set to maximum volume and the unit is activated, very high noise pressure may suddenly be produced. 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 before turning on the power.

Danger Danger of injury/damage!

-  Setting the unit 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 unit could tip or fall down and cause injury to persons or be damaged itself.
 - Set up the unit in such a way that you cannot accidentally knock it over and that the cables do not pose any trip hazard.
 - Do not place the unit near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).

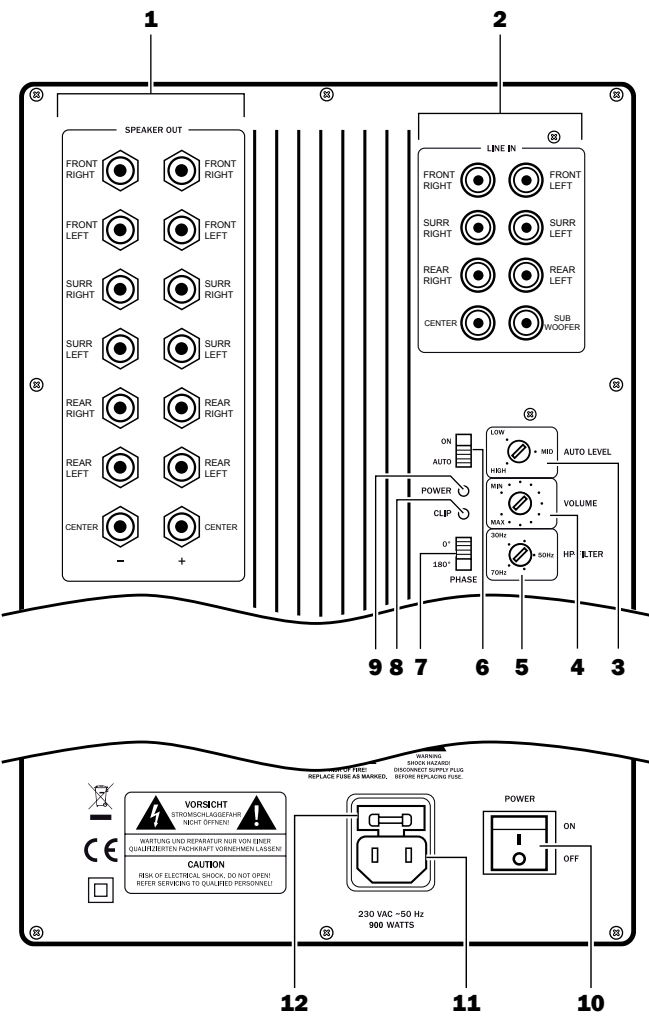
Danger Fire hazard!

-  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

	Safety category II Dual insulation
	Danger of electric shock – do not open casing. Disconnect power cord before changing fuse.
	Fuse 6.3 AL/250 V

Control elements and connections



Item	Name	Description
1	Speaker Out	Connector jacks for the satellite speakers
2	Line In	Analogue 7.1 audio input jacks
3	Auto Level	Set the input sensitivity for the automatic activation
4	Volume	Subwoofer volume control
5	HP-Filter	High-pass filter to fade out low frequencies
6	On/Auto	Switch for automatic activation
7	Phase	Activate/deactivate phase shifting (180°) for the subwoofer
8	Clip	Overload LED
9	Power	Power control LED

Item	Name	Description
10	Power	Mains switch
11	-	Connector jack for power cord
12	-	Mains fuse

Preparation

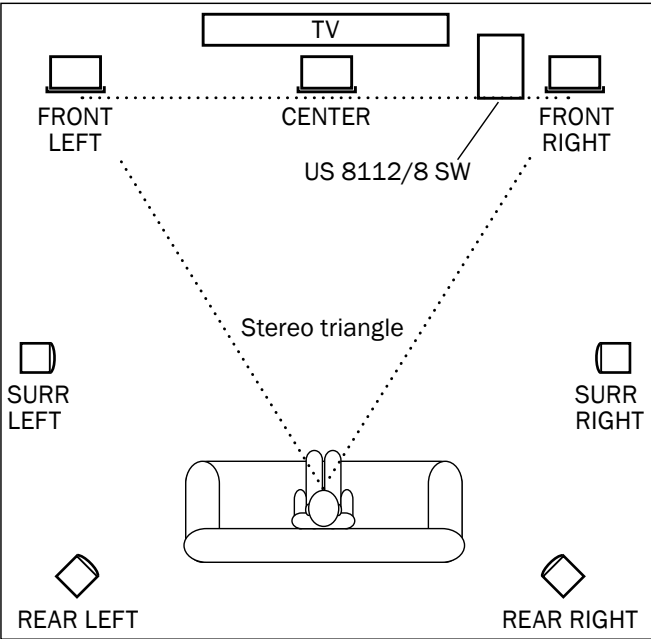
Unpacking

- Carefully open the box and lift out the speakers with the EPE 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.
- Do not place any heavy objects on the cables or the speakers.
- 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 the room as this may result in irregular frequency overloads. A location between the front speakers is often ideal.
- Make sure that the speaker has a stable position to prevent vibrations.



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 4 stereo RCA cables to connect the LINE IN jacks **2** of the subwoofer with the 7.1 output jacks of a pre-amplifier, such as a DecoderStation or ControlStation. In the process make sure that you always connect the appropriate jacks with each other (e.g. CENTER/CENTER or SUB/SUBWOOFER).

If you use a 5.1 source device (DecoderStation 5, DVD player, sound card), the subwoofer input jacks REAR RIGHT and REAR LEFT are not occupied. However, you can route the SURR RIGHT and SURR LEFT signals to the REAR RIGHT and REAR LEFT inputs using a cinch Y adapter. The same signals will then be emitted via the SURR RIGHT and REAR RIGHT as well as the SURR LEFT and REAR LEFT speaker outputs though.

Connecting satellite speakers

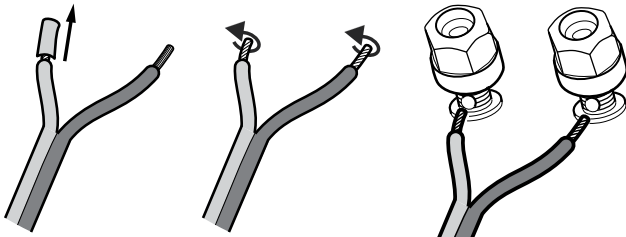


Make sure the polarity is correct!

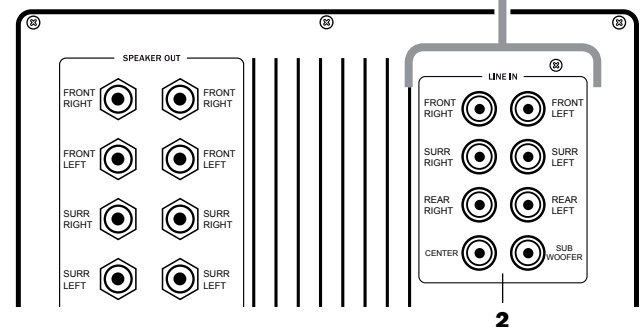
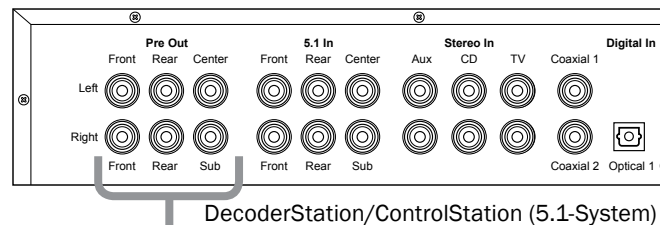
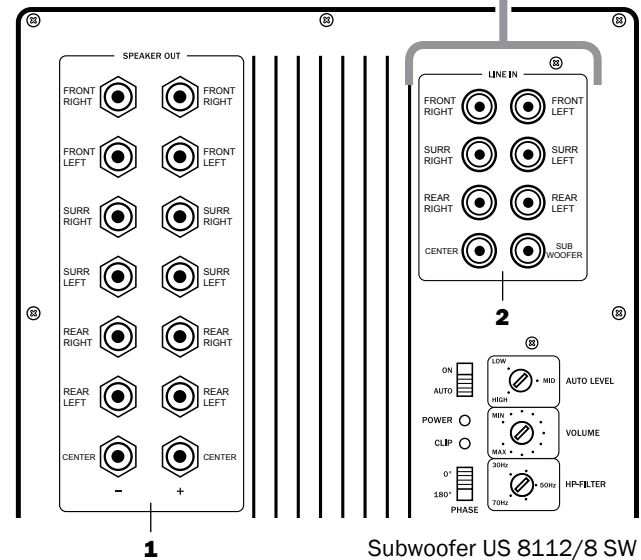
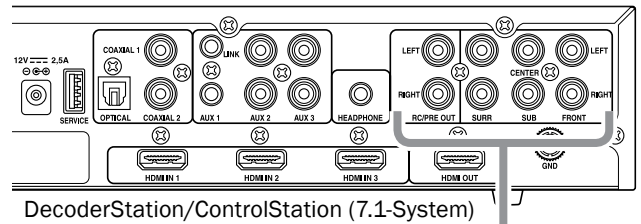
Connect the like coloured terminals. Otherwise the sound quality will suffer.

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

1. The connector terminals **1** for the satellite speakers are located on the back side of the subwoofer. Lay the included speaker cables from your subwoofer to each of the speakers. Little hint: Label the cables on the subwoofer side. This will help when taking down and setting up the system.



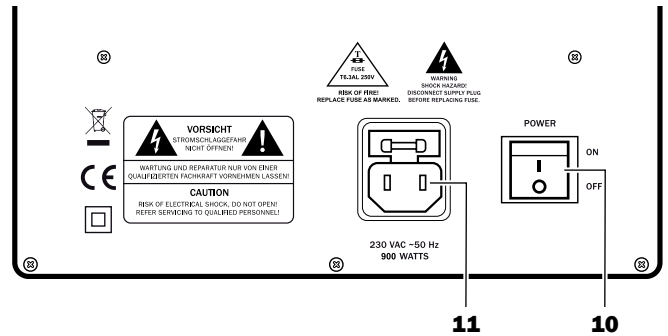
2. Split the single wire down to approx. 30 mm on both ends and strip approx. 10 mm of insulation off of each cord.
3. Twist the stripped single wire ends together so that no wire protrudes. Tin coating is not necessary.
4. Turn the connector terminal counterclockwise until loose. Run the stripped cable 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.
5. Connect the other ends of the speaker cables to the satellite speakers. The operating instructions of the speakers should contain notes on this.



For a 5.1 system, the subwoofer input jacks REAR RIGHT and REAR LEFT are not used.

Connection to the grid

- Ensure that the mains switch **10** “Power” on the subwoofer is switched off (“0 OFF” position).
- Connect the mains connection jack **11** with an easily accessible power 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

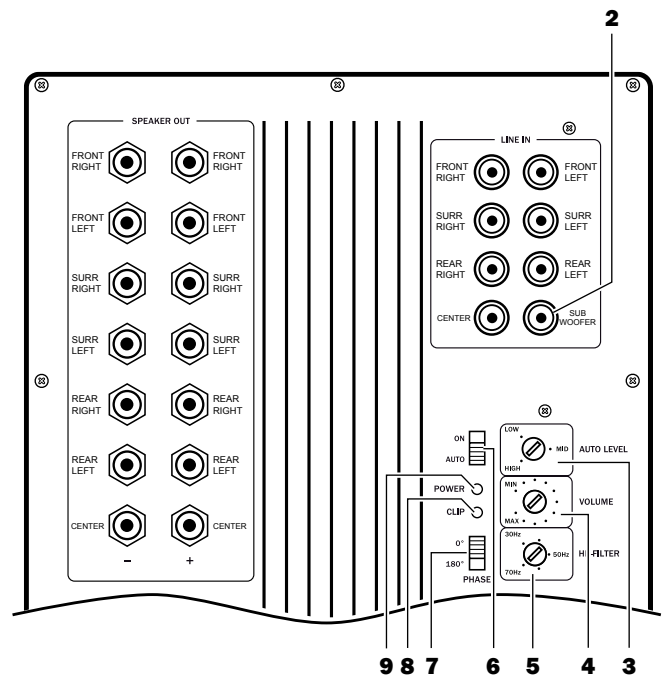
- The subwoofer is activated or deactivated with the switch **10** “Power”. When the subwoofer is on, the LED **9** “Power” is illuminated in
 - green, if the subwoofer is in operating mode
 - red, if the subwoofer is in standby mode.

Automatic activation/switching to standby mode

- Switch **6** “On Auto”:
 - **Auto** position: The subwoofer activates as soon as an audio signal is present at the input jack **2** “Line In / SW”. 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 **3** “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 **4** “Volume”.

Phase

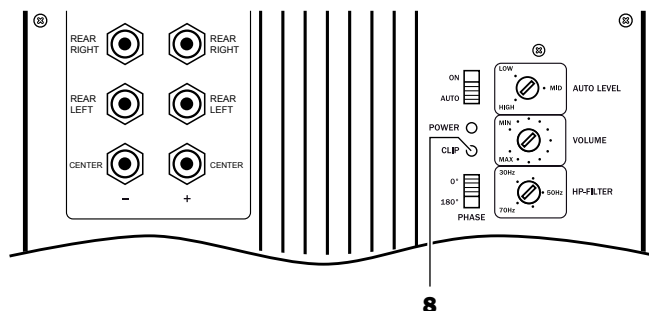
- Switch **7** “Phase” is used to activate and deactivate phase shifting (180°) for the subwoofer. Choose a setting at which the subwoofer emits the loudest and most precise sound.

HP-Filter

- With the high-pass filter **5** 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

- LED **8** “Clip” is illuminated
 - if the subwoofer is overloaded due to an excessive input signal. Reduce the input signal.
 - if the subwoofer overheats. Reduce the volume and check the unit's ventilation.
 - if a fault is present in the power supply.



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
The subwoofer isn't working. The LED 9 “Power” is not illuminated.	The subwoofer is off or doesn't have any power.	Turn on the switch 10 “Power” (“On I”). Check the power cord and socket.
	Fuse is defective.	1. Disconnect the power cord. Carefully pull the fuse holder out of the mains connection. 2. Push the old fuse down and out. Insert a new fuse (6.3 A delayed action) and push the holder back.
The subwoofer doesn't work but LED 9 “Power” is illuminated in green.	The volume has been set too low.	Increase the volume using the control 4 “Volume”.
LED 8 “Clip” is illuminated.	The subwoofer is overloaded due to an excessive input signal.	Reduce the input signal.
	The subwoofer overheats.	Reduce the volume and check the unit's ventilation.
	A fault is present in the power supply.	Please contact our hotline.
The subwoofer does not activate.	The sensitivity setting for the automatic activation is insufficient.	Turn the controller 3 “Auto Level” towards “High” or increase the subwoofer level on the AV receiver.
The subwoofer activates inadvertently.	The sensitivity setting for the automatic activation is too high.	Turn the controller 3 “Auto Level” towards “Low”.
The subwoofer drones.	The room is too small.	Increase the setting of the HP filter 5 .
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.	Purchase a line filter and connect both units 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.

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.

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 units are properly recycled and that negative consequences on the environment are avoided. For this reason, electrical equipment is labelled with the displayed symbol.

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