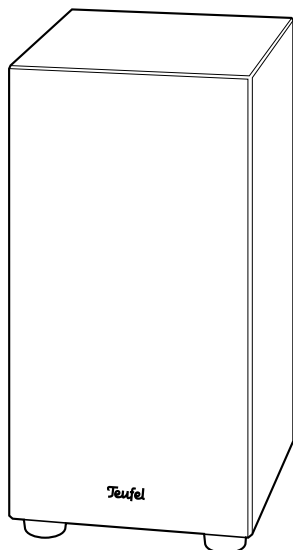


Technical Description and Operating Instructions



**Active Subwoofer
US 2108/1 SW**

Teufel
... makes you happy

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 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

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 / the AC adapter 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.

Product contents and technical data

Product contents	1 Subwoofer US 2108/1 SW
	1 power cord
Dimensions (WxHxD) Height including feet:	280 x 465 x 280 mm 500 mm
Weight	13.8 kg
Operating voltage	230 V~/50 Hz
Max. power consumption	250 watts

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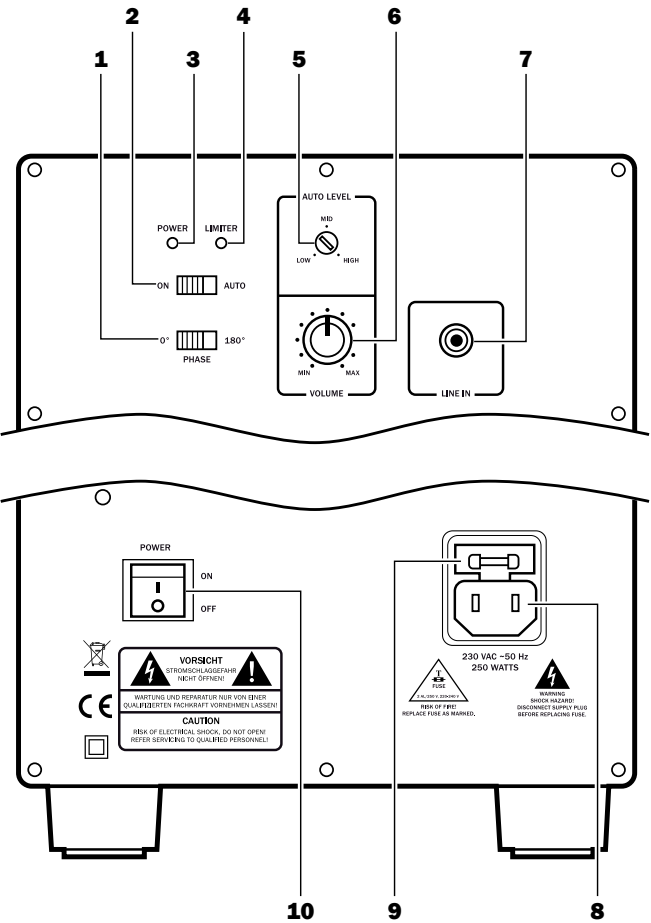
Check that all items have been delivered and that nothing is damaged. In case of damage do not use the product. Instead, contact our service centre.

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	Phase	Activate/deactivate phase shifting (180°) for the subwoofer
2	On/Auto	Switch for automatic activation
3	Power	Power control LED
4	Limiter	The limiter LED starts flashing when the amplifier reached a distortion factor of 3–4 % (corresponds to an output power of 120 watts at 4 ohm)
5	Auto Level	Set the input sensitivity for the automatic activation
6	Volume	Volume control for subwoofer
7	Line In	Audio input jack
8	-	Connector jack for power cord
9	-	Mains fuse
10	Power On/Off	Mains switch

Unpacking, setup and connection

Unpacking

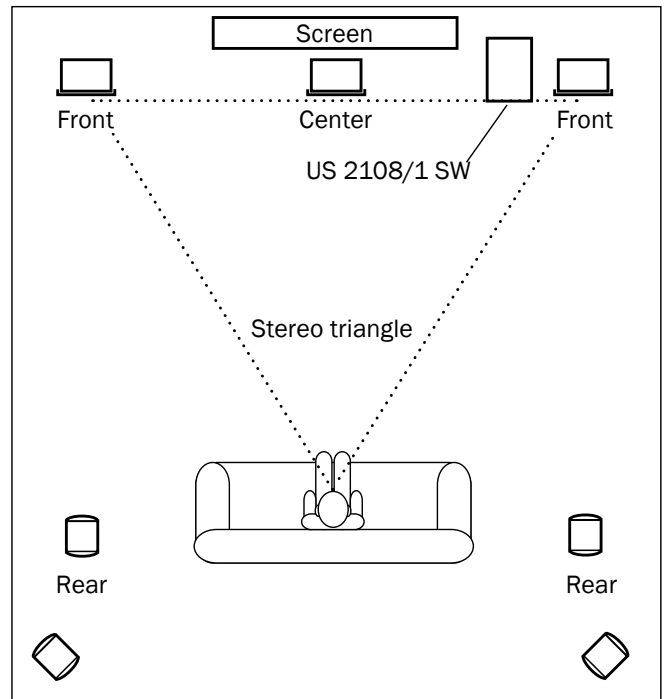
- Open the box carefully, lift out the speaker together with the EPE foam parts carefully and remove the foam parts without reaching into the diaphragms.

Setup notes

Note

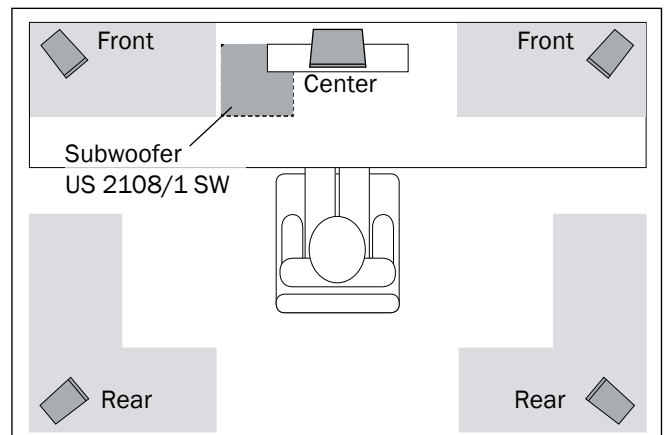
Our website contains comprehensive notes for correct setup.

- 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

Danger Danger of injury/damage!

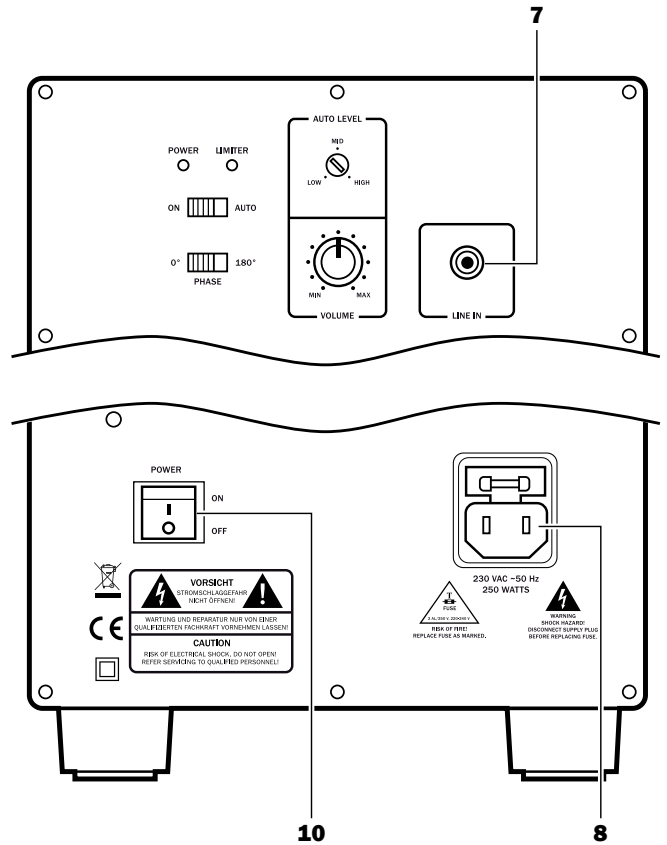


Arrange the cables so that they do not pose a trip hazard.

- Disconnect the power plug of your AV receiver or preamplifier (DecoderStation/ControlStation) from the socket.
- Ideally, the subwoofer is connected to the subwoofer output of your AV receiver or preamplifier (DecoderStation/ControlStation) using a mono RCA connector cable.
- The RCA jack **7** "Line In" on the back side of the subwoofer is intended for this purpose.
- See the operating instructions of your receiver or the DecoderStation/ControlStation for more information.
- If your receiver doesn't feature a subwoofer connection, connect an available speaker output to the RCA jack **7** of your subwoofer using a voltage reducer and a RCA connector cable. We offer voltage reducers on our website in the "Accessories" area.

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 **8** with a mains socket using the power cord.
- In addition, reconnect the power plug of your AV receiver or DecoderStation/ControlStation to the socket.



Use

Activating and deactivating

- The subwoofer is activated or deactivated with the switch **10** "Power". If the subwoofer is on, the LED **3** "Power" is illuminated.

Automatic activation/deactivation

- Switch **2** "On • Auto":
 - Auto** position: The subwoofer is automatically activated as soon as an audio signal is present at the jack **7** "Line In" (LED **3** "Power" is illuminated in green). If there's no audio signal for 20 minutes, the subwoofer switches to standby mode (LED **3** "Power" is illuminated in red).
 - 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 **5** "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

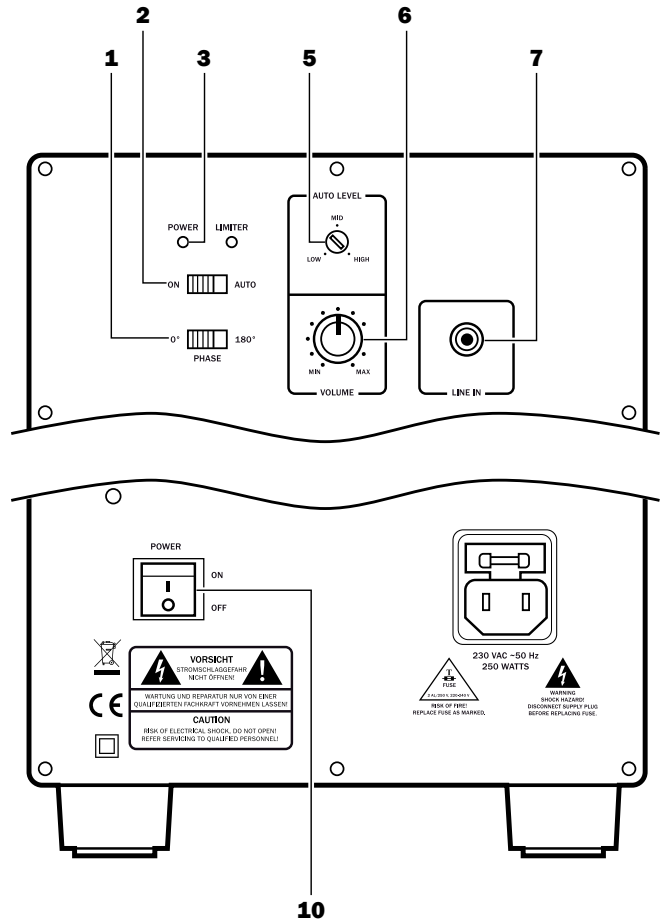
- You can control the volume of your subwoofer using the volume control **6** "Volume".

Phase

- You activate and deactivate phase shifting (180°) for the subwoofer using the switch **1** "Phase". Choose a setting at which the subwoofer emits the loudest and most precise sound.
- Tip for Cinebar 21 user: In most cases the best hearing results are achieved with a setting to 180 °.

Crossover frequency

- The subwoofer must be set to "On" in the bass management/speaker management ("Speaker Setup") of the AV receiver. The appropriate crossover frequency to be set there depends on the satellites being used. You can find specifications for the crossover frequency of the respective satellites in the technical data section of our web shop.



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!

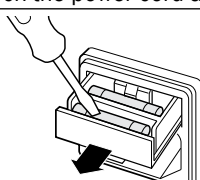
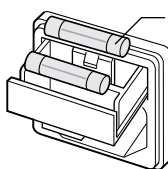


Using the wrong cleaning materials may damage the delicate surface of the case.

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 / 300 9 300. Please also observe the warranty notes.

Problem	Possible cause	Solution	
The subwoofer isn't working. The LED 3 is not illuminated.	The subwoofer is off or doesn't have any power.	Turn on the switch 10 "Power" ("On I" position). 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.  spare Push the old fuse out. Insert a new fuse (2 A delayed action) and push the holder back.
The subwoofer isn't working, but the LED 3 is illuminated in green.	The volume has been set too low.	Increase the volume using the controller 6 "Volume".	
The subwoofer does not activate.	The sensitivity setting for the automatic activation is insufficient.	Turn the controller 5 "Auto Level" towards "High".	
The subwoofer activates inadvertently.	The sensitivity setting for the automatic activation is too high.	Turn the controller 5 "Auto Level" towards "Low".	
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

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.

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 and rechargeable batteries!

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

Lautsprecher Teufel GmbH

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

www.teufelaudio.com

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

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