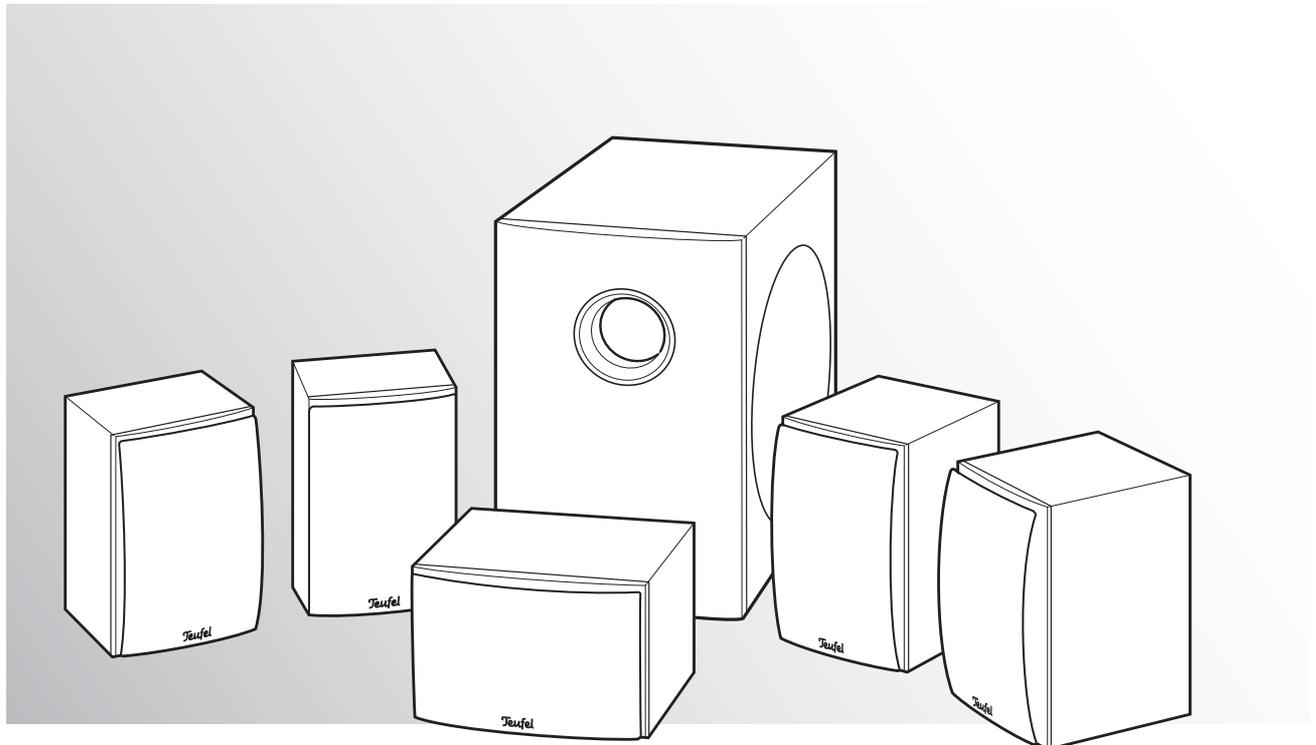


Technical description and operating instructions



Theater 80

5.1 Home Theatre Speaker System
with active subwoofer

Teufel

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General notes and information

Notice

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May 2009

Original packaging

In case you choose to take advantage of the eight week right of return you must keep the packaging. We can only accept loudspeaker returns 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, e. g. 4322543

2. Serial number and/or batch number

Can be found on the rear of the unit,
e. g. Serial-No.: TH04....

Many thanks for your support!

Contact

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

Lautsprecher Teufel GmbH
Gewerbehof Bülowbogen · Bülowstraße 66
10783 Berlin (Germany)
Tel.: +49 (30) - 300 9 300
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Warranty conditions

12 year warranty for loudspeakers and 2 year warranty for amplifiers and electronics from date of purchase.

Covers materials and workmanship, excludes damage caused by improper use or electrical or mechanical overload. Proof of warranty is the original of our invoice. This warranty applies solely to loudspeakers, amplifiers and electronics purchased from Teufel by an end user for private use. The warranty is not valid for loudspeakers,

amplifiers and electronics which pass to an end user via a third party merchant. In the case of a private re-sale of Teufel products the warranty may be transferred to the purchaser as long as the original proof of purchase is also passed on to the purchaser.

Returns

Teufel provides the right to exchange or return within eight weeks with refund of the purchase price paid. Return of individual components sold as a package is only possible if these components are also sold individually by Lautsprecher Teufel. In the case of the return of one or more individual components the package price reduction offered by Lautsprecher Teufel on all components in a package no longer applies. The amount refunded to the customer for the components returned will therefore only be the difference between the package price and the purchase price of the individual parts. The economic result for the customer is that it is as if he/she had originally bought the remaining components at their individual prices.

Further information on the subject of returns may be found on the back of the returns form enclosed with the order or online in the support area of our website www.teufel.eu

If you need to return your goods please do not act without first speaking to Lautsprecher Teufel.

We can only process or accept your returns if you give us prior notification by telephone and discuss how to proceed!

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.

Safety notes

Signal symbols

You will find the following signal symbols in these instructions:

**Danger High risk!**

Failure to observe the warning may result in injury or death.

**Attention Moderate risk!**

Failure to observe the warning may result in damage to property.

**Minor risk!**

Points to observe when handling the unit.

Safety notes

**Danger Risk of electric shock!**

Faulty electrical installation or excess mains voltage may result in an electric shock.

- The unit is only suitable for mains voltage of 220V–240V~/50Hz.
- If the unit's case or mains cable is defective or shows other signs of visible damage, disconnect it immediately from the power supply and do not operate it.
- 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.
- Never open the unit case.
 - 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 damp 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 and remove any batteries. Send the unit to our service address.
- Never touch the plug with damp hands.
- Check the unit regularly for damage.

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 any small parts from the device or pull any such parts off of the device (e. g. control buttons or plug adapters). They could swallow the parts and choke on them. Never allow children to use electrical devices unsupervised.

Danger**Danger to hearing!**

Loud noise may lead to hearing loss.

If a subwoofer in »Standby/Auto on« mode is switched on by a bass beat and if it is on full volume, sudden very high sound pressure may result. This may have physical as well as psychological consequences. Children and pets are at particular 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.
- To avoid damage to health, avoid extended listening at high volume.

Danger**Danger of chemical burns!**

Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes or mucus membranes. In case of contact with acid rinse the affected part immediately with plenty of plain water and if necessary see a doctor.

Danger Danger of injury/damage!

Incorrect location may result in damage.

- Never use the unit unsecured in a vehicle, on an unstable surface, on wobbly stands or furniture, with undersized wall fixings etc. The speakers could fall down or fall over and be damaged or cause injury.
 - Place the speakers in such a way that they cannot be knocked over unseen and make sure that the cables do not pose a trip hazard.
 - If mounting the speakers on the wall, make sure that the job is carried out by a professional.
 - Use only suitable wall fixings. Ensure that the walls are sound and capable of carrying the load.
 - 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.

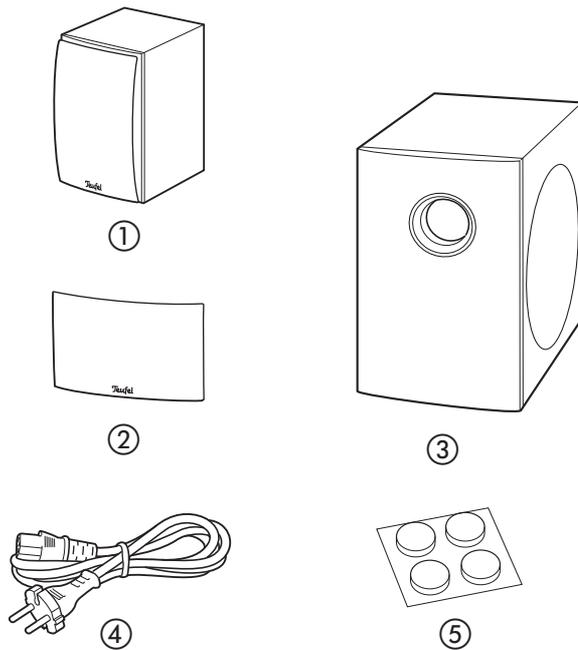
- Do not place open flames such as burning candles or similar on the unit.
 - Ensure sufficient ventilation.
 - Do not place the unit in direct sunlight.
 - Do not cover the ventilation slots with curtains, cloths, newspapers or similar. Heat build-up inside the unit can shorten the lifetime of the unit.
-

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.
-

Overview



Product contents

- ① 5 x satellite speakers with grille
- ② 1 x grille for horizontal setup
- ③ 1 x active subwoofer
- ④ 1 x mains cord for subwoofer
- ⑤ 1 x rubber feet for subwoofer



Connector cord

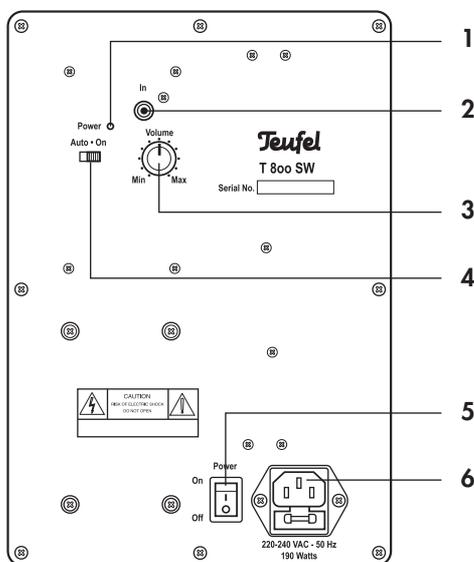
The Theater 80 series is delivered without a connector cord due to the variety of different customer needs. You can find suitable cords in our webshop (www.teufel.eu) in the "Accessories" area. There, you can also purchase speaker stands and wall mounts etc. for the satellite speakers.

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 3).

Controls and connections

Subwoofer back side



Pos	Name	Description
1	Power	Operating mode display
2	In	Audio in jack
3	Volume	Volume control
4	Auto • On	Automatic activation/deactivation or continuous activation
5	Power On/Off	Main switch
6		Connector for mains cord ④

Setup

Location tips

- The room where you intend to use the Theater 80 should be up to 30 m² in size.
- Choose a stable, level base.
- Make sure that the area is clean and free from dust.
- Avoid placing the unit close to sources of heat or in direct sunlight.
- Arrange the connecting cables so that they do not pose a trip hazard.
- Do not place any heavy objects on top of the cables or units.

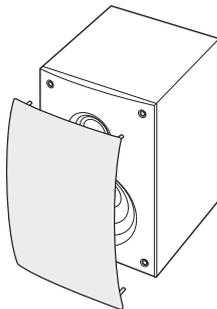
You can purchase mounting materials specially designed for these speakers (cords, speaker stands, wall mounts and resonance dampers) in our webshop (www.teufel.eu) in the "Accessories" area.

The following specifications relate to the "ideal home theatre", where the viewer and/or listener sits in a central position at a sufficient distance in front of the television (see adjacent graphic) and no objects (tables or the like) are situated in between. Unfortunately, the room, furnishings or partner do not always allow for such optimal setup.

Modern AV receivers offer a variety of possibilities for compensating for any losses associated with the setup. In general, the following rule applies: Based on our recommendations, you can always experiment as to what works best acoustically and optically in your home. Let your ears (and eyes) decide!

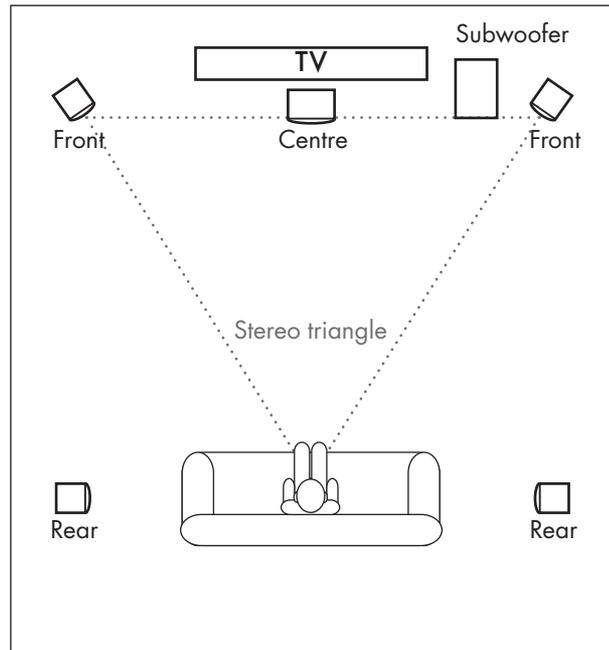
Centre

Use one of the satellites ① as a centre speaker. The space directly under your television is an ideal location. If you would like to set up the satellite in a horizontal position ②, you can replace the grille with a suitable one included in the product contents. You can carefully remove the grilles and then mount them later on.



Front

Two of the satellites ① are set up as front speakers to the left and right of the television and at a height of approximately 40 to 120 cm. They should be in line with the centre speaker and, together with the listener, form an equilateral triangle as far as possible. This is the so-called stereo triangle (distance from the listener = distance between the loudspeakers). The loudspeakers should project the sound directly into the room or slightly towards the listener.



Subwoofer

You should also place the subwoofer on the floor close to the television. The placement between the front speakers is ideal for that. There should be at least 30 cm of space in front of the subwoofer **on the right side** and the equalisation opening **on the front** as considerable air movement is produced around these openings at higher volumes.

The enclosed rubber feet should be affixed to all four corners on the bottom of the subwoofer in order to avoid interference associated with vibrations. In a flat, you should be particularly sure to use the resonance dampers so you don't have any trouble with your neighbours!

Rear

The two remaining satellites ① are set up as rear speakers beside the listener and at his head level. At a distance of at least 100 cm to the listener, the speakers should be positioned directly towards the listener or a slightly diagonal position to the front (towards the television) is also beneficial.

Connecting

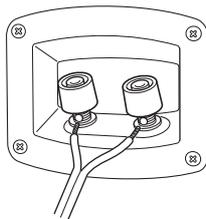
Danger Danger of injury/damage!



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

Satellite speakers

- Pull the mains plug of your AV receiver out of the socket.
- Lay the speaker cord from your AV receiver to each of the satellites. This should be a bifilar cord with marked wires. It should have a diameter of at least 1.5 mm².
Tip: Mark the cords on the receiver side. This is helpful whenever you take down and set up the receiver.
- A connector comprising two terminals is located on the back of each satellite speaker. There, you can connect the speaker cords with the banana plugs or directly. These instructions only describe direct connection.
- The terminals are each marked in red (+) and black (-).



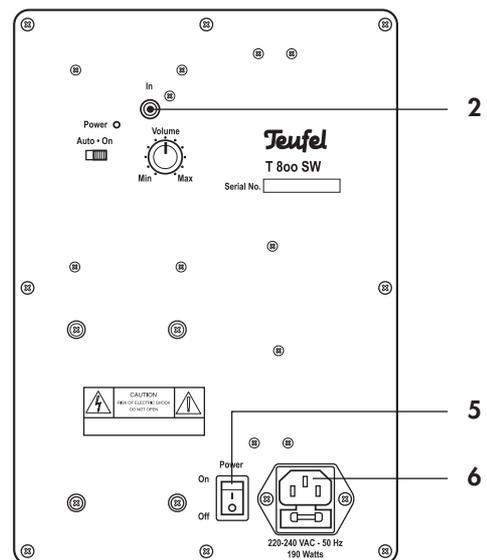
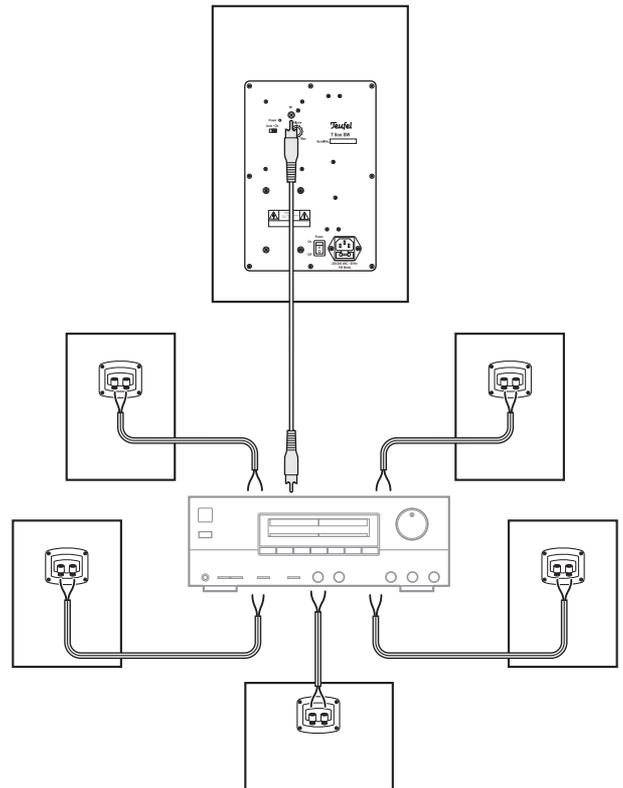
Ensure that the polarity is correct!

Connect the like coloured terminals with one another. Otherwise the sound quality will suffer. The speaker connectors of your AV receiver should have similar markings. The speaker cord wires are marked with different colours or have different forms.

- Split the helix on both ends up to approximately 30 mm and remove approximately 10 mm of the insulation on each piece. Twist the helix so that no wires are protruding.
- Loosen the connector terminal by turning it counter-clockwise. Now run the stripped cord end into the hole that has become visible. Close the terminal by turning it clockwise. The cord has now been clamped in place.
- Connect all cords to the satellite speakers by following these steps.
- Connect the speaker cords to your AV receiver. The operating instructions for your device should provide information on this.
- The crossover frequency between satellite speakers and subwoofer has to be set to 120 Hz at the AV receiver.

Subwoofer

You now need an RCA connector. This way, you can connect the RCA jack **2** "In" on the back of the subwoofer with the RCA jack for the subwoofer of the receiver. You will find more information on this in the operating instructions of the receiver.



Connecting to a power supply

- Ensure that the main switch **5** "Power" has been deactivated (setting "0 OFF").
- Connect the mains connector jack **6** with a mains socket using the mains cord **4**.
- Also insert the mains plug of your AV receiver back in the socket.

Operation

Subwoofer

Activating and deactivating

- With the switch **5** "Power", you can activate and/or deactivate the subwoofer. When the subwoofer is activated, the operating light **1** "Power" will illuminate in blue.

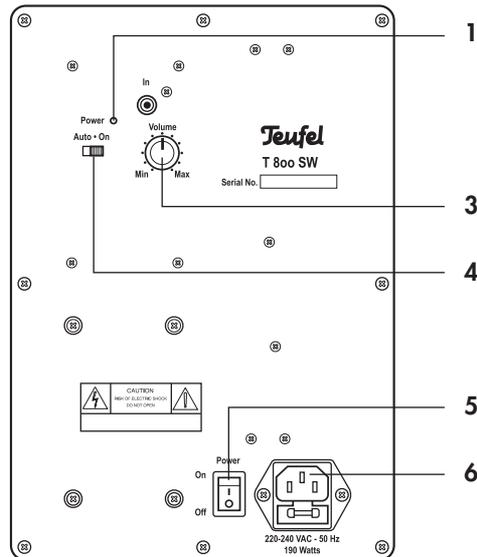
Automatic activation/deactivation

If the switch **4** "Auto • On" is set to "Auto", then the subwoofer will activate as soon as an audio signal is present at the input **2**. If there is no audio signal for 30 minutes, the subwoofer will switch to standby and the operating light **1** "Power" illuminates in red.

In the "On" position, the subwoofer is always activated.

Volume

- With the volume control **3**, you can control the subwoofer volume.



Cleaning and care

Clean the subwoofer and the satellites regularly with a soft, slightly damp microfiber cloth. In the process, please be 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 device.
- Disconnect the device from the mains power supply before cleaning.

Attention Risk of damage!

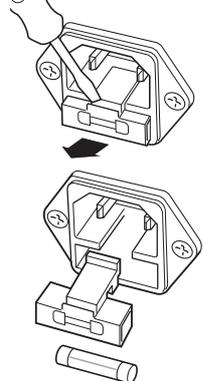


Using the wrong cleaning materials may damage the delicate surface of the case.

- If possible use only plain water with no cleaning products. In case of stubborn marks a mild soap solution may be used.
- In no circumstances should caustic cleaning products, white spirit, thinners, petrol or similar be used for cleaning.

Troubleshooting

The following advice should help you to solve problems. If this is not the case please contact our hotline (see page 3). Take note of the warranty instructions.

Problem	Possible cause	Solution
The subwoofer is not working.	Subwoofer is switched off or has no power.	Switch on the subwoofer with the switch 5 . Check the mains cord and plug.
	Defective fuse	Replacing the fuse: Disconnect the mains cord. Carefully pull out the fuse holder by the mains connector jack 6 . Press out the old fuse. If necessary, insert a new fuse (1 A time delay), close the holder. 
	The volume is too low.	Increase the volume using the control 3 .
Subwoofer buzzes.	The subwoofer is connected to a power circuit which differs from the rest of the unit.	Connect the subwoofer and AV receiver to the same electric circuit.
	The buzzing is caused by problems with the power supply.	Buy a line filter and connect both units to it.
	The buzzing is caused by a multi-way socket.	Use another multi-way socket or plug the subwoofer directly into the wall socket. In the case of two-pin plugs it may help to insert the plug into the socket the other way up.
Playback is noisy.	The Theater 80 system produces very little noise. The deficient quality of a signal source (e. g. from MP3 files) is often "exposed" by the high frequency range of the high definition box system.	Ensure that a faultless signal is sent from the source.
The sound seems dull.	The satellite has been connected with the wrong polarity.	Check that the speaker cords of all satellites are properly connected.

Protecting the environment

Disposal of the unit



Old appliances may not be disposed of in the household waste!

Should the appliance no longer be capable of being used, then every consumer is required by law to dispose of old appliances separately from their household waste e. g. at a local authority collection point. This ensures that old appliances are recycled in a professional manner and that negative consequences for the environment are prevented. For this reason, electrical devices are marked with the symbol shown.

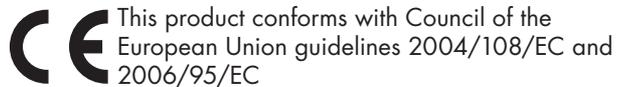
Technical data

Subwoofer

Acoustical principle:	Bassreflex
Chassis:	20 cm
Inputs:	Line input mono
Frequency response:	38–160 Hz (-3 db)
RMS output power:	150 W at 4 Ohm
Power consumption, max:	200 W
Operating voltage:	220–240 V~, 50/60 Hz
Dimensions (W x H x D):	260 x 400 x 420 mm
Net weight:	15 kg

Satellites

Frequency response:	110–20000 Hz (-3 db) 100–25000 Hz (-6 db)
Sine wave power handling:	60 W (longterm), 110 W (shortterm)
Impedance:	4–8 Ohm
Dimensions (W x H x D):	150 x 230 x 190 mm
Net weight:	2.65 kg



Technical changes reserved!

Teufel

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

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