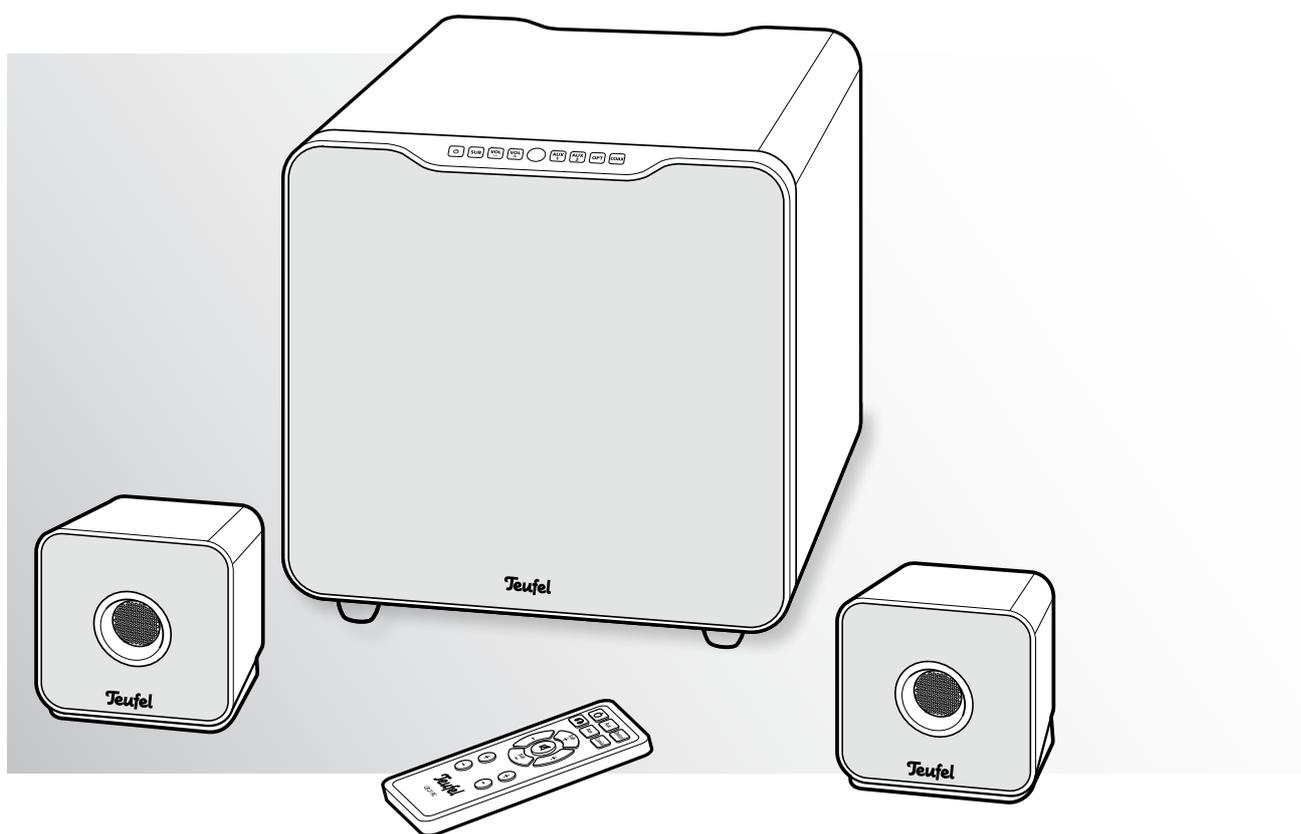


# Technical Description and Operating Instructions

---



## Motiv 2

Fully active 2.1 multimedia set

**Teufel**

# Contents

---

<b>General notes and information</b> .....	<b>3</b>	<b>Use</b> .....	<b>12</b>
For your information.....	3	Activating and deactivating.....	12
Original packaging.....	3	Automatic activation/deactivation.....	12
Complaints.....	3	Selecting the signal source.....	12
Contact.....	3	Adjusting the volume.....	12
Proper use.....	3	Adjusting the system volume.....	12
<b>Safety notes</b> .....	<b>4</b>	Adjusting the subwoofer volume.....	12
Caution icons.....	4	Mute.....	12
Safety notes.....	4	Adjusting the sound.....	13
Explanation of symbols.....	5	Treble and bass tones.....	13
<b>Overview</b> .....	<b>6</b>	Location.....	13
Product contents.....	6	Phase.....	13
<b>Control elements and connections</b> .....	<b>6</b>	Power supply for feeders.....	13
<b>Preparation</b> .....	<b>8</b>	Listening with headphones.....	13
Unpacking.....	8	<b>Care and cleaning</b> .....	<b>14</b>
Setup notes.....	8	<b>Protecting the environment</b> .....	<b>14</b>
Wall mounting.....	9	Batteries and rechargeable batteries.....	14
Remote control battery.....	9	Disposal of the unit.....	14
Changing the battery.....	9	<b>Troubleshooting</b> .....	<b>15</b>
<b>Connecting</b> .....	<b>10</b>	<b>Technical data</b> .....	<b>16</b>
Satellite speakers.....	10	Subwoofer MT 20/3 SW.....	16
Connecting to a power supply.....	10	Satellites MT 2 F.....	16
Connection example for source feeders.....	11		

# General notes and information

---

## 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.

© Lautsprecher Teufel GmbH

Version 1.0, January 2013

## 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 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 or batch number

Located on the back of the unit,  
e.g. serial #: CO 30009440122A  
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)**

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

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

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

## 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.

# Safety notes

## Caution icons

You will find the following caution icons in these instructions:

 = **High risk!** Failure to observe the warning may result in severe personal injury or death.

 = **Moderate risk!** Failure to observe the warning may result in property damage.

 = **Minor risk!** Points which should be observed when handling the unit.

## Safety notes



### 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.
- 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. Verify the carrying capacity of the walls.
- Carefully follow the installation instructions.
- Do not place the unit near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).

### 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.
- The standby button does not disconnect the unit from the power supply. For this reason, arrange the unit so that the power plug is easily accessible so that you can quickly disconnect it from the mains.
- 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 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 vents in the casing.
- 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 other foreign objects penetrate the case, immediately disconnect the power plug and if applicable, remove any batteries. Send the unit to our service address in this case.
- Never touch the power plug with damp hands.

**Danger Danger of explosion!**



Batteries (particularly lithium batteries) can explode if used improperly.

- Never attempt to recharge batteries.
- Only use batteries of the same or equivalent type.
- Do not heat or short circuit batteries or rechargeable batteries and do not dispose them in fire.
- Do not expose batteries and storage batteries to direct sunlight.

**Danger Health hazard!**



If the battery belonging to the product is swallowed, this may result in severe internal injuries and even death.

- Keep both new and used button cell batteries so that they are not accessible for children.
- If the battery compartment can no longer be closed securely, do not use the product further and keep it so that it is not accessible for children.
- If you suspect that a button cell battery has been swallowed or ingested in any other way, seek the immediate attention of a physician.

**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 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. If, however, a battery is swallowed, immediately consult a physician together with your child.
- Never allow children to operate electrical units unsupervised.

**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.
- Ensure sufficient ventilation.
- Do not place the unit in direct sunlight.
- Do not cover the vents with curtains, blankets, newspapers or similar. Heat build-up inside the unit can shorten its lifetime.

**Danger Risk of injury!**



An unstable base may cause the unit to tip and poses a risk of bad injury, particularly to children. You can prevent many accidents by taking the following precautions:

- If possible, 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.

**Attention! Risk of damage!**



Power overload due to lightning strike may damage or destroy the unit.

- If the unit is unattended for a prolonged period (e.g. when on vacation) or in the event of an incoming storm, pull the power plug.
- A leaky battery may damage the remote control. In the event of prolonged absence, remove the battery from the remote control.

**Attention! Risk of damage!**



Normal stereo RCA cables are not suitable and may damage the **Motiv 2** system.

- Only use the enclosed speaker cables.

**Attention! Risk of damage!**



The **Speaker out (21)** jacks are not suitable for connecting headphones. Connecting headphones to these jacks could seriously damage the headphones and the unit.

- Only connect satellite speakers, which belong to the **Motiv 2** system, to the **Speaker out (21)** jacks.

**Explanation of symbols**

	Safety category II
	Fuse T 1.6 AL / 250 V
	Risk of electrical shock!

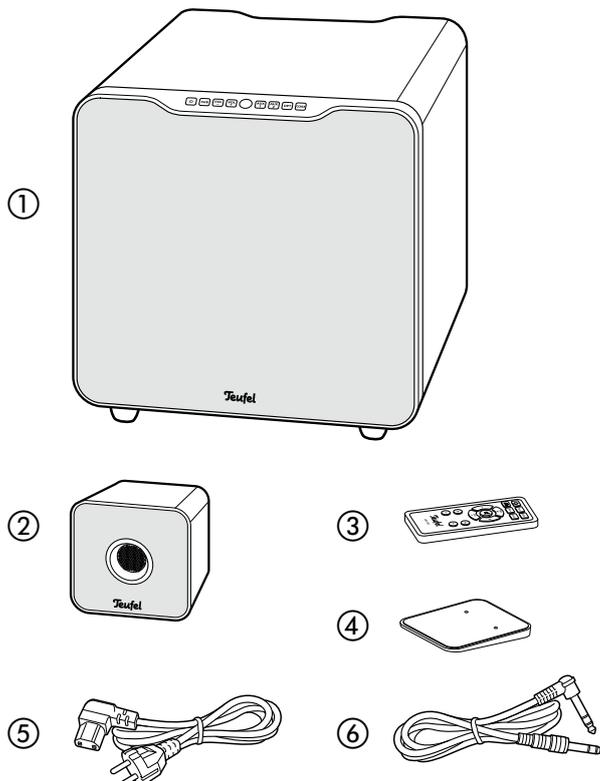
# Overview

## Product contents

- ① 1x subwoofer MT 20/3 SW
- ② 2x satellite speaker MT 2 F
- ③ 1x remote control
- ④ 2x speaker stand for satellite speakers
- ⑤ 1x power cord
- ⑥ 2x speaker cable

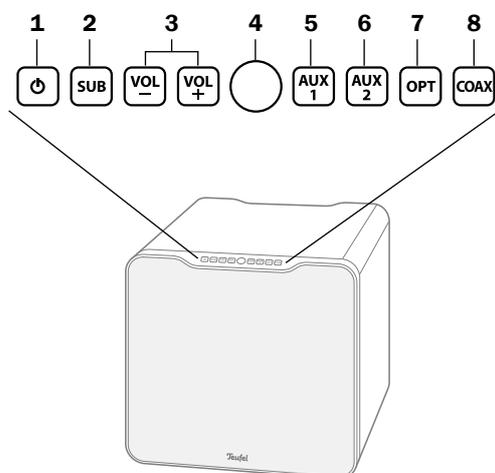
## Check to be sure

- 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).



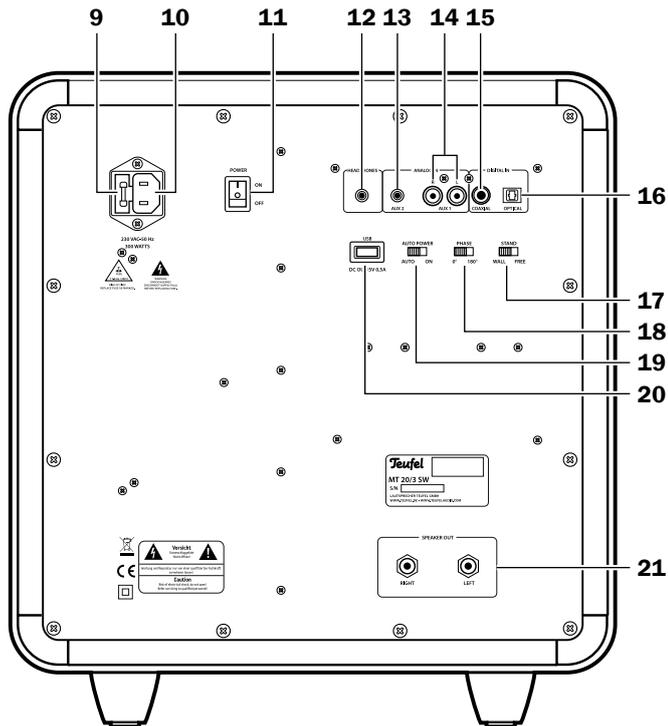
# Control elements and connections

## Front of subwoofer

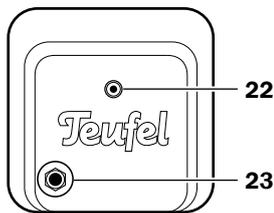


Item	Name	Description
1		Switch the unit on or to standby
2	<b>SUB</b>	Assign the volume control (subwoofer/complete system)
3	<b>VOL - / +</b>	Increase/decrease the volume
4		Sensor for remote control
5	<b>AUX 1</b>	Select the signal source at the AUX 1 analogue input
6	<b>AUX 2</b>	Select the signal source at the AUX 2 analogue input
7	<b>OPT</b>	Select the signal source at the digital optical input
8	<b>COAX</b>	Select the signal source at the digital coaxial input

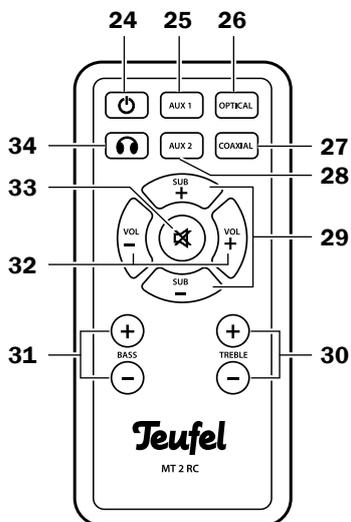
## Subwoofer backside



## Satellite speaker backside



## Remote control



Item	Name	Description
9	-	Mains fuse
10	-	Connector jack for power cord
11	<b>Power On/Off</b>	Mains switch
12	<b>HEADPHONES</b>	Connector jack for headphones with 3.5 mm phone jack
13	<b>AUX 2</b>	Analogue input jack (3.5 mm)
14	<b>AUX 1</b>	Analogue input jack (2x RCA)
15	<b>COAXIAL</b>	Digital input jack (RCA)
16	<b>OPTICAL</b>	Digital input jack (TOSLINK)
17	<b>STAND</b>	Selector switch for a location on the wall or a free-standing setup
18	<b>PHASE</b>	Phase control for the subwoofer (0°/180°)
19	<b>AUTO POWER</b>	Automatic activation/deactivation or permanent activation
20	<b>USB</b>	USB jack for the power supply of a feeder (e.g. MP3 player or smartphone)
21	<b>SPEAKER OUT</b>	Output jacks for satellite speakers
22	-	Thread insert for mounting on a wall bracket or speaker stand
23	-	Input jack for speaker cables
24		Switch the unit on or to standby
25	<b>AUX 1</b>	Select the signal source at the AUX 1 analogue input
26	<b>OPTICAL</b>	Select the signal source at the digital optical input
27	<b>COAXIAL</b>	Select the signal source at the digital coaxial input
28	<b>AUX 2</b>	Select the signal source at the AUX 2 analogue input
29	<b>SUB +/-</b>	Adjust the subwoofer volume
30	<b>TREBLE</b>	Increase/decrease the treble volume
31	<b>BASS</b>	Increase/decrease the bass volume
32	<b>VOL +/-</b>	Adjust the system volume
33		Mute
34		Activate/deactivate jack <b>12 HEADPHONES</b>

# Preparation

## Unpacking

- Carefully open the box and carefully lift out the speakers with the EPE foam parts without touching the diaphragms.

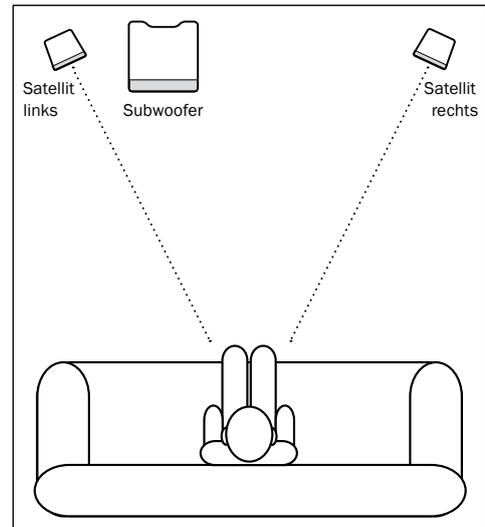
## Setup notes

### Note

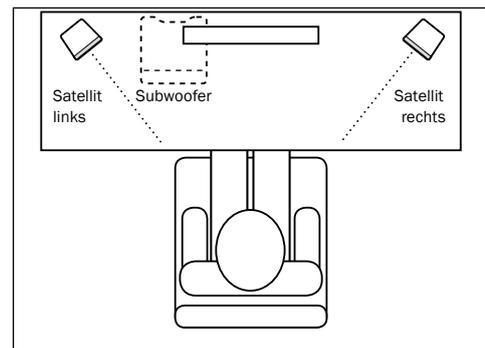
Our website contains comprehensive notes for correct setup.

- 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 speakers.
- Set up the satellite speakers such that they are at an equal distance from the listener on both the left and right side (if possible) or mount them on the wall.
- If you are using the unit as a PC system, set up the satellite speakers at an equal distance to the right and left of the computer monitor. For best results, they should be set up at ear height or at a height of 0.80 to 1.60 metres.

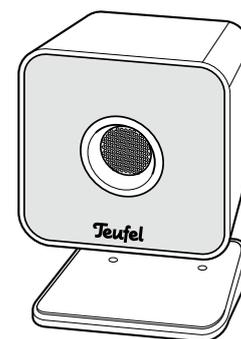
- If you are unable to comply with the recommendations, you can angle the satellite speakers slightly using the enclosed speaker stands to improve the listening experience.
- The location of the subwoofer can be freely selected and does not influence the other speakers. However, do not place it in the corner of the room as this may result in irregular frequency overloads. A location between the satellite speakers is often ideal.
- Make sure that the speaker has a stable position to prevent vibrations.



Set up as a stereo system



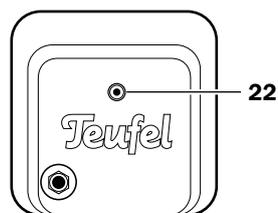
Setup as a PC system



## Wall mounting

If you would like to mount the satellite speakers on a wall, please use wall brackets from our product range. Suitable speaker stands are also available in our webshop. Please observe the product's operating instructions during assembly.

The thread insert **(22)** is used to mount the satellite speakers on the wall brackets/speaker stands.



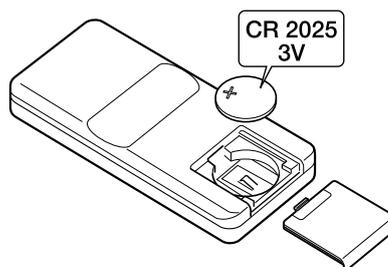
## Remote control battery

An insulation strip has been applied between the battery and the contact. It ensures that the battery still has a full charge upon delivery. Simply pull off this strip.

### Changing the battery

You should change the battery if the remote control stops working properly or after 2 years at the latest. Battery type: CR2025 LITHIUM BATTERY.

To change the battery remove the battery compartment cover from the remote control and change the batteries. Make sure the polarity is correct!



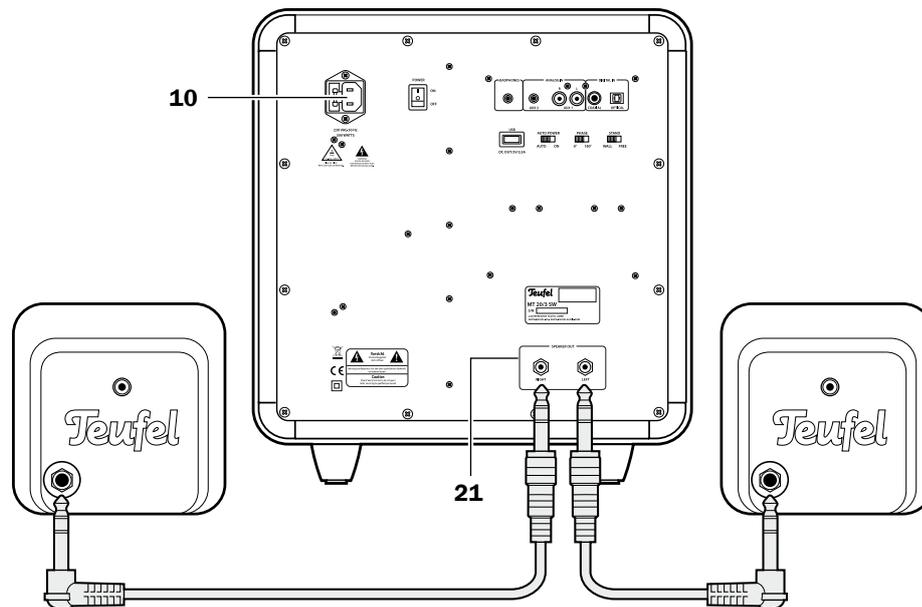
### **Danger Risk of explosion/heath hazard!**



Lithium batteries can explode or be hazardous to health if handled improperly.

- Please follow all safety notes on page 5.

# Connecting



## Satellite speakers

- Connect the two satellite speakers to the jacks **(21)** using the enclosed speaker cables **(6)**.



### Attention! Risk of damage!



Normal stereo RCA cables are not suitable and may damage the *Motiv 2* system.

- Only use the enclosed speaker cables.

### Attention! Risk of damage!

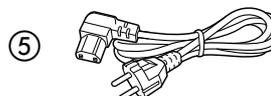


The **Speaker out (21)** jacks are not suitable for connecting headphones. Connecting headphones to these jacks could seriously damage the headphones and the unit.

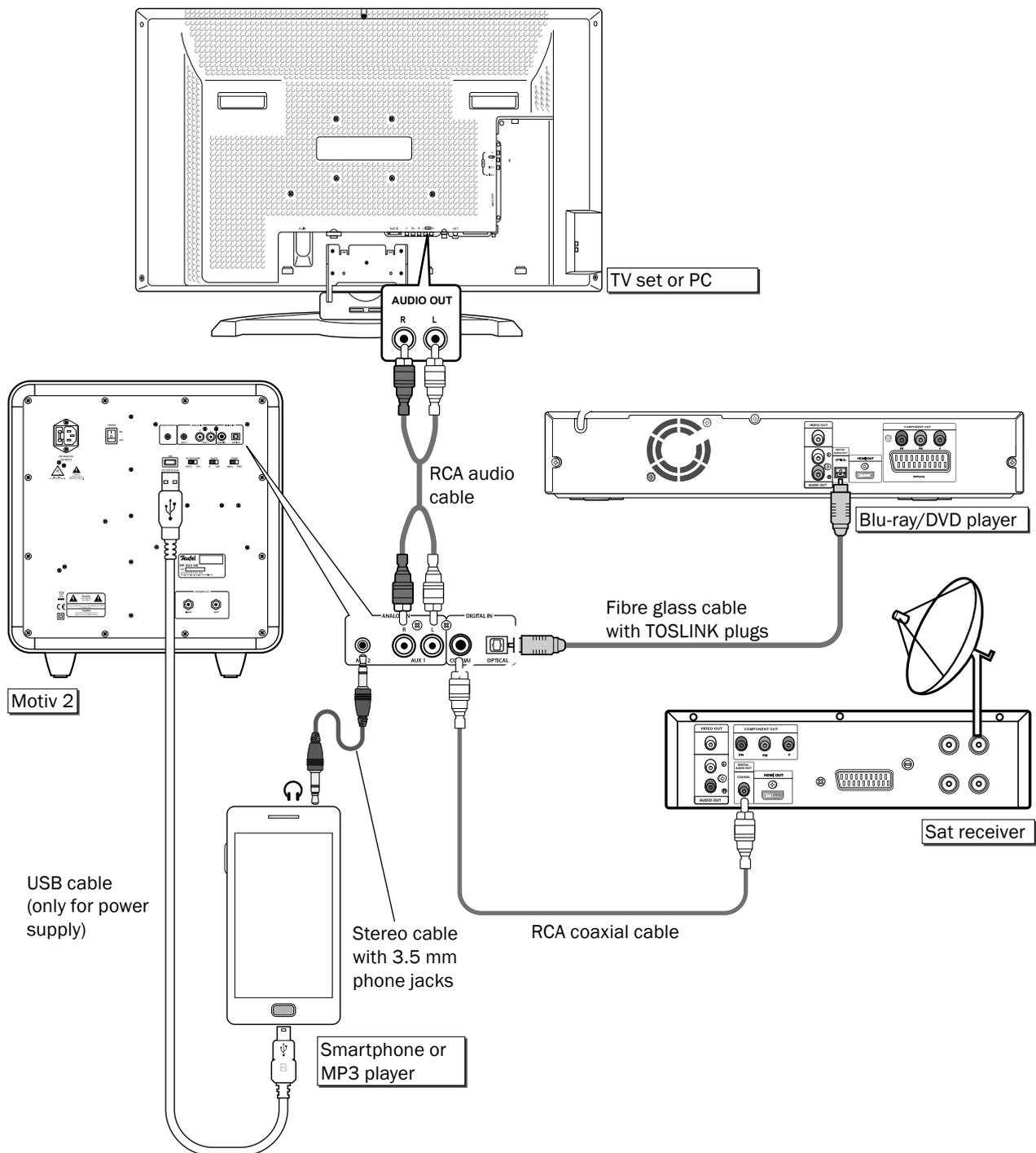
- Only connect satellite speakers, which belong to the *Motiv 2* system, to the **Speaker out (21)** jacks.

## Connection to the grid

- Connect the power cord **(5)** to the jack **(10)** and insert the power plug in an easily accessible socket.



## Connection example for source feeders



- This connection example only shows a few connection options. Often you can choose between several connection variants for a unit. Please read the operating instructions for the respective unit in this regard.

- If your TV set does not have separate audio output jacks, you can transmit the sound to the **Motiv 2** system using a scart/RCA adapter.
- You can also use the optical or coaxial output as an alternative to the analogue audio output.

# Use

## Activating and deactivating

- You can use the mains switch **(11)** to switch the unit to standby or to switch it off.
- You can switch the unit on or to standby with the buttons **⏻ (1)** or **(24)**. When the unit is on, the button **⏻ (1)** and the button of the currently selected signal source **(5 – 8)** are illuminated.

## Automatic activation/deactivation

Configure the automatic activation function with the **AUTO POWER (19)** switch:

**Auto** The subwoofer will activate as soon as an audio signal is present at one of the input jacks. If there is no audio signal for approx. 20 minutes, the subwoofer will switch to standby.

**On** The subwoofer is always on.

## Selecting the signal source

- Push the button for the respective input jack, which the source feeder is connected to. The text on the selected button will light up.

If you have connected the units as shown in the example on page 11, you must select the signal sources on **Motiv 2** as follows:

Signal source	Input jack	Button to be pushed	
		Unit	Remote control
TV set / PC	<b>AUX 1 (14)</b>	<b>AUX 1</b>	AUX 1
MP3 player	<b>AUX 2 (13)</b>	<b>AUX 2</b>	AUX 2
Sat receiver	<b>COAXIAL (15)</b>	<b>COAX</b>	COAXIAL
DVD player	<b>OPTICAL (16)</b>	<b>OPT</b>	OPTICAL

## Adjusting the volume

### Adjusting the system volume

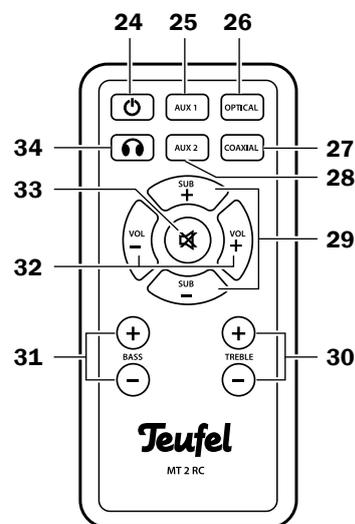
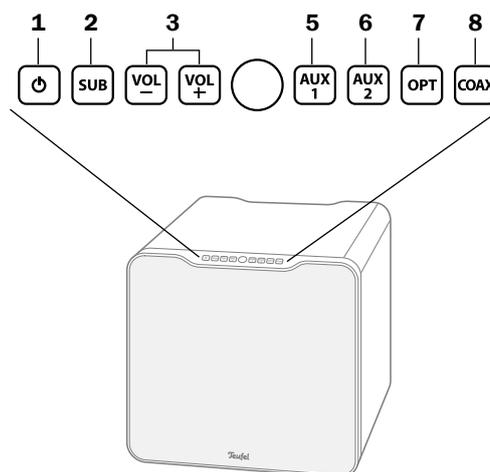
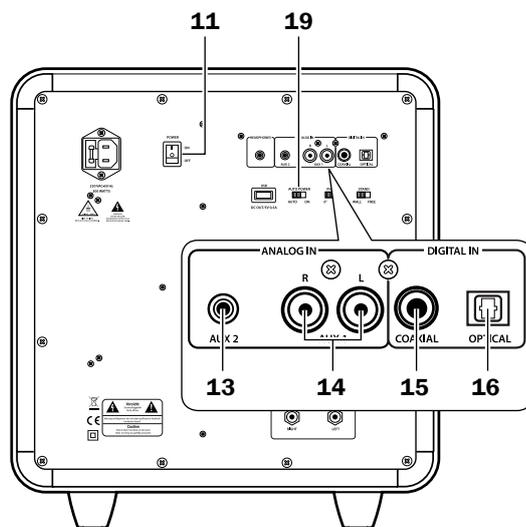
- Using the remote control: Push the buttons **VOL +/- (32)**.
- On the unit: If necessary, push the button **SUB (2)** to turn off its lighting. Then adjust the volume for the entire system using the **Vol +/- (3)** buttons.

### Adjusting the subwoofer volume

- Using the remote control: Push the **SUB +/- (29)** buttons.
- On the unit: If necessary, push the button **SUB (2)** to turn on its lighting. Then adjust the volume for the subwoofer system using the **Vol +/- (3)** buttons.

### Mute

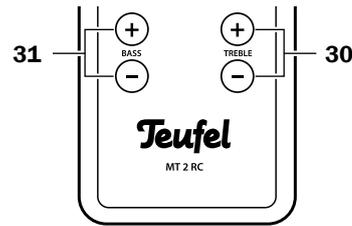
- By pushing the button **⏻ (33)** repeatedly, you can turn the sound off and on again.



## Adjusting the sound

### Treble and bass

- Adjusting the treble: Push the buttons **TREBLE (30)**.
- Adjusting the bass: Push the buttons **BASS (31)**.



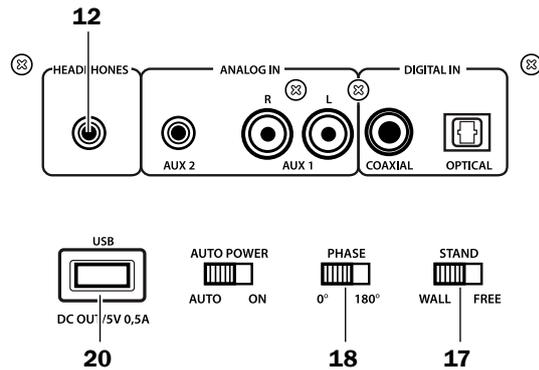
### Location

Depending on the location of the satellite speakers, move the switch **STAND (17)** to the setting

- **Wall** if you have set up the satellite speakers on a table and/or close to a wall
- **Free** if the satellite speakers are free-standing within the room.

### Phase

- Turn phase shifting (180°) for the subwoofer on and off with the switch **Phase (18)**. Choose a setting at which the subwoofer emits the loudest and most precise sound.



#### Note:

You can make additional changes to the sound settings on the source feeders themselves.

## Power supply for feeders

The subwoofer features a USB jack **(20)** for supplying feeders such as MP3 players or smartphones with power.

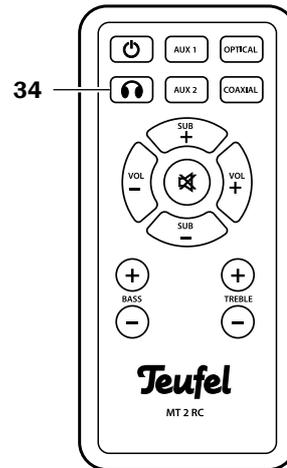
You can connect all devices operating at a voltage of 5 V DC and requiring no more than 0.5 A to this jack.

## Listening with headphones

The **HEADPHONES (12)** jack is located on the back side of the subwoofer. You can connect conventional headphones/earphones with a 3.5 mm phone jack here.

The phone jack is deactivated in normal mode.

- Push the **headphones (34)** button to activate it. This will automatically mute the subwoofer and satellite speakers.
- Push the **headphones (34)** button again to deactivate it and return to normal mode.



## Care and cleaning

---

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

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



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

- Make sure that no liquids penetrate 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

---

### **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

### **Disposal of the unit**



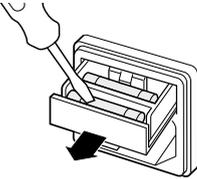
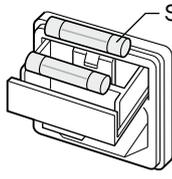
#### **Used units must not be disposed of with household waste!**

If the unit is no longer operational, every consumer is required by law to dispose of used  units separately from household waste, e.g. at a collection 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.

# 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 ☎ Phone 00800 - 200 300 40 (toll-free). Please also observe the warranty notes.

Problem	Possible cause	Solution
The unit does not emit any sound.	The volume is set to "0".	Increase the volume.
	Fuse is defective.	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>1.</p>  <p>Disconnect the power cord. Carefully pull the fuse holder out of the mains connection.</p> </div> <div style="text-align: center;"> <p>2.</p>  <p>Press out the old fuse. Insert a new fuse (T 1.6 AL slow-blow) and push the holder back into place.</p> </div> </div>
	Input signal is too weak.	Increase the volume of the signal source.
	Jack <b>HEADPHONES (12)</b> is activated.	Deactivate the jack with the button  (34).
The headphones are not working.	The jack <b>HEADPHONES (12)</b> is deactivated.	Activate the jack with the button  (34). This will mute the subwoofer and satellite speakers.
The subwoofer hums.	The buzzing is caused by problems with the power supply.	Buy a line filter and connect it to the unit.
	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.
Playback is noisy.	Generally speaking, the <i>Motiv 2</i> is a very low-noise system. In the high range area, very high-resolution speaker systems can expose the poor quality of a signal source (e.g. from MP3 files).	Ensure that the source is sending a clear signal to the <i>Motiv 2</i> system.

# Technical data

---

## **Subwoofer MT 20/3 SW**

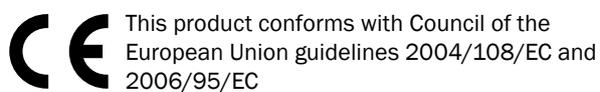
Max. power consumption:	300 W
Operating voltage:	230 V~, 50 Hz
Dimensions (W x H x D)	350 x 390 x 355 mm
Net weight:	13.5 kg

## **MT 2 F satellite speakers**

Dimensions (W x H x D):	125 x 125 x 115 mm
Net weight:	120 g

You can find further technical data on our website.

No responsibility is assumed for the correctness of this information. Technical changes, typographical errors and other errors reserved.



# Teufel

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

**Lautsprecher Teufel GmbH**  
Gewerbehof Buelowbogen - Aufgang D1  
10783 Berlin (Germany), Buelowstr. 66

Tel.: 00800 200 300 40 (toll-free)  
Fax: +49 (0)30-300 930 930  
[www.teufelaudio.com](http://www.teufelaudio.com)

No liability is accepted for the accuracy of this information. Technical changes, typographical errors and other errors reserved.