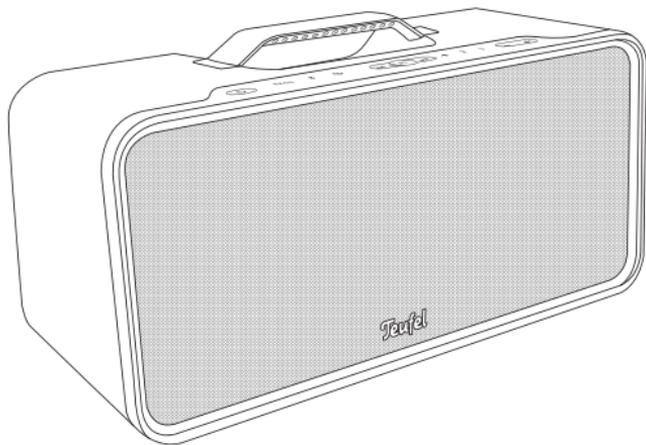


# User Manual

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## BOOMSTER

Active Bluetooth® speaker with integrated DAB+ and FM radio



**Teufel**

# Table of contents

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|  |           |                                     |           |
|--|-----------|-------------------------------------|-----------|
| <b>General Notes and Information</b>           | <b>3</b>  | AUX                                 | 24        |
| Notice   | 3         | Bluetooth®                          | 24        |
| Trademarks                                     | 3         | USB                                 | 29        |
| Original packaging                             | 4         | <b>5. Remote Control</b>            | <b>30</b> |
| Complaints                                     | 4         | Functions                           | 30        |
| Contact  | 5         | Changing the batteries              | 31        |
| <b>For Your Safety</b>                         | <b>6</b>  | <b>6. Care And Cleaning</b>         | <b>32</b> |
| Proper Use                                     | 6         | <b>7. Troubleshooting</b>           | <b>33</b> |
| <b>Safety notes</b>                            | <b>7</b>  | <b>8. Technical Data</b>            | <b>35</b> |
| Signal terms                                   | 7         | <b>9. Declaration Of Conformity</b> | <b>37</b> |
| Safety notes                                   | 8         |                                     |           |
| <b>1. Unpacking</b>                            | <b>12</b> |                                     |           |
| Package contents                               | 12        |                                     |           |
| <b>2. Operational Controls and Connections</b> | <b>14</b> |                                     |           |
| <b>3. Preparation</b>                          | <b>19</b> |                                     |           |
| Antenna  | 19        |                                     |           |
| Power Supply                                   | 19        |                                     |           |
| <b>4. Operation</b>                            | <b>21</b> |                                     |           |
| Activating and deactivating                    | 21        |                                     |           |
| Selecting a source                             | 21        |                                     |           |
| Volume   | 22        |                                     |           |
| Radio  | 22        |                                     |           |

# General Notes and Information

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## Notice

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## Trademarks

© All trademarks are the property of their respective owners.



Bluetooth® and the Bluetooth symbol are trademarks of Bluetooth SIG, Inc.



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aptX® and the aptX symbol are trademarks of CSR plc or associated companies and may be protected in multiple countries.

## **Original packaging**

If you wish to exercise your right of return, we ask that you be absolutely sure to hold onto the packaging. We can only accept the return of the speakers WITH THE ORIGINAL PACKAGING.

Empty boxes are not available!

## **Complaints**

In case of a 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 bottom of the device, e.g. serial no.: KB20240129A-123.

Thank you for your support!

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## Contact

Please contact our customer service department with any questions, suggestions, or complaints:

**Lautsprecher Teufel GmbH**

**BIKINI Berlin**

**Budapester Straße 44**

**10787 Berlin (Germany)**

Phone:

0800 200 300 40 (toll free)

Fax:

030 300 930 930

Online support:

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

Contact form:

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

## For Your Safety

---

### Proper Use

The speaker is designed for the playback of music and speech from the integrated radio or an external player.

Only use the speaker as described in this user manual. 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 improper use.

The speaker is intended for private use.



Before operating the speaker, please read the safety notes and user manual carefully. Only in this way, can you ensure that all functions are used in a safe and reliable manner. Store the user manual in a safe place and also be sure to pass it on to any subsequent owner.

## Safety notes

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### Signal terms

You can find the following signal terms in this user manual:



This signal term indicates a moderate risk, which, if not avoided, may result in death or severe injury.



This signal term indicates a low risk, which, if not avoided, may result in minor or moderate injury.



This signal term warns you of potential damage.

---

## Safety notes

This chapter contains general safety notes which you should always observe to protect yourself and third parties. Also observe the warning notes in each chapter of this user manual.

### **Touching live parts can result in severe injury or death.**

- When connecting the device, make sure that the correct voltage is present. You can find more information about this on the rating plate (on the bottom of the device).
- Check the device regularly for damage. Immediately disconnect the mains plug and do not operate the device if its housing or mains cable is defective or exhibits other visible damages.
- This device can only be completely disconnected from the grid by pulling the mains plug. Thus, make sure that the mains plug is always easily accessible.
- If the device emits smoke, smells burnt or produces unusual sounds, immediately disconnect it from the mains and do not operate it further.
- Never open the device housing. Repairs may only be carried out by an authorized specialist workshop. Only parts that match the original specifications may be used.
- Only use the accessory products specified by the manufacturer.

- 
- Do not operate the device in wet rooms and protect it from water jet in any direction. Make sure that no vases or other liquid-filled objects are located on or near the device in order to prevent liquid from penetrating the housing. If water or other debris ends up penetrating the housing, immediately pull the mains plug. Then send the device to our service address.
  - Never modify the device. Unauthorized modifications may affect the safety and functionality.
  - Never touch the mains plug with wet hands.

**An unsuitable setup location may result in injury and damage.**

- If the speaker is not securely mounted, do not use it in vehicles, in unstable locations, on wobbly tripods or furniture, on under dimensioned brackets etc. The speaker may tip or fall over and cause injury to persons or be damaged itself.
- Place the speaker in such a way that it cannot be knocked over inadvertently and make sure that the cables do not pose a tripping hazard.
- Do not place the speakers near heat sources (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).
- Do not use the device in environments where there is a risk of explosion.

- 
- Only use the Bluetooth function in locations where wireless radio transmission is allowed.

**Children can become trapped in the plastic wrapping when playing and suffocate.**

- Do not allow children to play with the device or the plastic wrapping. There is a danger of suffocation.
- Ensure that children do not remove small parts from the device or take them off the device (e.g. buttons or plug adapters). They could swallow the parts and choke.

**Leaking battery acid may lead to chemical burns.**

- Do not allow battery acid to come into contact with skin, eyes or mucous membranes. In the event of contact with battery acid, immediately flush the applicable areas with plenty of clean water and consult a physician if necessary.

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

- Never attempt to recharge batteries.
- Only use batteries of the same or equivalent type.
- You must not heat or short circuit batteries and rechargeable batteries or dispose of them in fire.

- 
- Do not expose batteries and rechargeable batteries to direct sunlight.

### **Extended listening at high volumes may lead to hearing loss.**

- When the volume is set high, always keep a certain distance from the device and never place your ear directly on the speaker.
- If a speaker is set to full volume, this may produce very high sound pressure. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk. Set your signal source device volume control to a low setting before turning on the power.

### **This product contains magnetic material.**

- If necessary, consult your physician and ask for effects on implants such as pacemakers or defibrillators.

### **The isolation pads can produce discoloration on sensitive surfaces.**

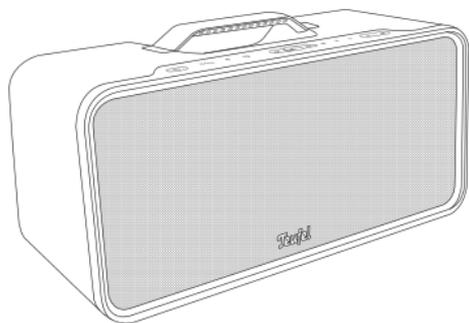
- On parquet, varnished wood and similar surfaces, you should stick felt gliders to the rubber feet of the speaker or put blankets or small carpets under it. This will prevent discoloration of the floor over the long term.

# 1. Unpacking

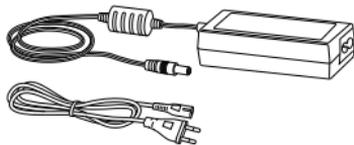
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## Package contents

(1) BOOMSTER



(2) Mains adapter and power cable



(3) Remote Control

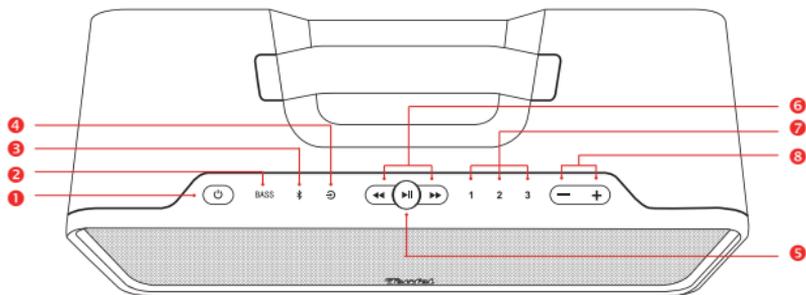
## Accessories

IR Remote Control (with CR2032 batteries installed)



- Check that all items have been delivered and that nothing is damaged. If you find any damage, do not operate the device; instead contact our customer service department.
- Please keep the packaging for the duration of the warranty period.

## 2. Operational Controls and Connections



Top side

- (1) **Power:** Push and hold for 4 seconds: Switch the device on, the button will be illuminated in white. Tap during operation: Show battery charge level in %. Push and hold for 4 seconds: Switch the device off (in rechargeable battery mode) or switch to standby (in 12 V mode).
- (2) **BASS:** tap: Adjust the bass level with the buttons "Volume up" and "Volume down" (-6 to +6 dB).
- (3) **Bluetooth:** tap: Select Bluetooth as the source. Press and hold for 2 seconds: Start Bluetooth pairing mode.
- (4) **Source:** tap: Toggle through the input sources: DAB, FM, AUX.
- (5) **Play/Pause:** tap: BT: play/pause playback; FM/DAB/AUX: mute/un-mute playback.

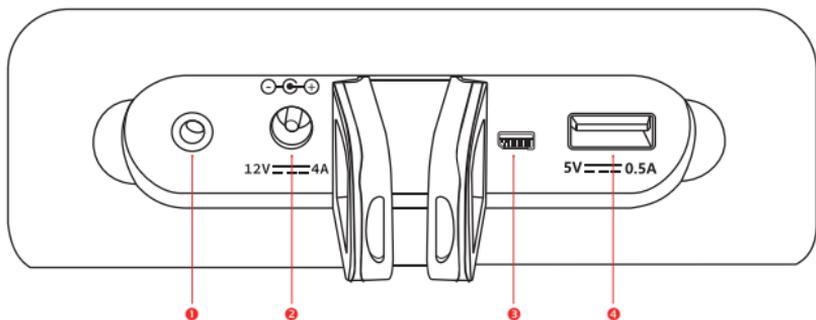
- 
- (6) **Backward/Forward:** tap: BT: previous/next track; DAB: tune to previous/next station; FM: step down/up frequency 50khz. Push and hold for 2 seconds: FM/DAB: scan for DAB/FM stations.
  - (7) **Favorite 1, 2, 3:** tap: select preset FM/DAB stations. Push and hold for 2 seconds: store FM/DAB stations.
  - (8) **-/+:** tap: decrease (-)/increase (+) the volume, and bass level (when in Bass Level Mode). Push and hold for 2 seconds: fast decrease (-)/increase (+) the volume, and bass level. Volume range is 0 (MUTE) to 16.



For **Bluetooth** button, If only 1 Device (e.g. Phone) is paired with Bluetooth, Press and hold for 2 seconds to enter BT Pairing Mode to add a second BT Device. If two Devices are paired, Press and hold for 2 seconds will release both paired devices and enter Pairing mode.

For + button, when playback is muted, tap it to un-mute the playback. Hint: If the device is turned off for more than 10 hours in battery mode, holding the power button for 8s to turn on the device.

This can prevent discharging the battery.



### Top side

- (1) **AUX In:** Input jack for analogue audio source device.
- (2) **DC In:** Connector jack for the mains chord / charging.
- (3) **Micro USB Port:** Service Update port.
- (4) **USB Port A:** USB jack to provide the power supply for external players.



## IR Remote Control

| Button                                | Functionality             |
|---------------------------------------|---------------------------|
| <b>Power</b> (Power symbol)           | Power on/off              |
| <b>Bass</b> (BASS)                    | Activate Bass Level Mode  |
| <b>Mute</b> (Speaker with X)          | Mute/Un-mute              |
| <b>Volume Up (+) /Down (-)</b>        | Volume/Bass level Up/Down |
| <b>Play/Pause</b> (Play/Pause symbol) | Play/Pause Playback       |

| Button  | Functionality  |
|---|--|
| <b>Backward</b>  / <b>Forward</b><br>   | Previous/Next Track (BT)<br>Tune to previous/next station (DAB or FM)<br>Step down/up frequency (FM, in 50kHz) |
| <b>DAB</b>   | Select DAB Source  |
| <b>FM</b>    | Select FM Source   |
| <b>Favorites 1, 2, 3</b><br>   | Store or select Preset Stations  |
| <b>BT</b>    | Select BT Source   |
| <b>AUX</b>   | Select AUX Source  |

## 3. Preparation

---

### Antenna

In order to receive the best signal strength for DAB/ FM, always pull out the antenna completely. For transportation purpose, you can lock the antenna into the holder.

### Power Supply

The BOOMSTER offers two power supply options:

- 12 volt direct current via the mains adapter.
- Integrated Rechargeable battery.

### 12 volt connection

For stationary operation:

1. Carefully open the rubber cap above the DC In jack on the Backside of the device.
2. Insert the small plug of the enclosed mains adapter in the DC In jack, which is now visible.
3. Use the enclosed mains cable to connect the mains adapter to a mains socket.

---

## Rechargeable Battery

The integrated Li-Ion rechargeable battery pack will be charged as soon as the BOOMSTER is supplied with power via the 12 volt connection.

Before first use, charge the rechargeable battery for approx. 3 hours. In standby, the charging of the rechargeable battery is indicated by five plus symbols (+) on the display panel.

That or the last plus symbols flash and indicate the charge level of the rechargeable battery. The flashing will stop once the rechargeable battery has been fully charged. The typical playback time with full charged internal battery is approx. 16 hours. To protect the rechargeable battery, the BOOMSTER has deep discharge protection, which switches the device off once the threshold is reached.



If the charge of the rechargeable battery diminishes or the batteries are depleted, the message "BATTERY" will fast flash three times every 10 minutes on the display panel. In this case, connect the mains cable.

## 4. Operation

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### NOTICE

If the device is subjected to warm temperatures after being cold (e.g. after transport), condensation may occur inside of it. In this case, wait at least 2 hours before you connect and activate it.

### Activating and deactivating

#### Activating

Push and hold the power button for approx. 4 seconds. The BOOMSTER will switch on. "Power On" will appear briefly on the display panel and will resume the last activated source.

#### Deactivating

Push and hold the power button for approx. 4 seconds. The BOOMSTER will switch off in rechargeable battery mode, or switch to standby in mains operation mode.

#### Auto off

The device will automatically deactivate if no input signal is received for 20 minutes.

### Selecting a source

With the  and  buttons, select the external player (Bluetooth or AUX) or radio mode (DAB+ or FM). The active source or the selected radio station will appear on the display panel.

---

## Volume

You can decrease or increase the volume in 16 levels with the  $-/+$  buttons. When adjusting the volume, the volume that is currently selected will appear on the display panel.

You can gradually adjust the volume by tapping. Pushing and holding will change the volume continuously. If the device has been muted (lowest volume), the notice "MUTE" will appear on the display panel.

## Setting the Bass Level Mode

1. Push the **BASS** button to adjust the bass level to your own listening preferences, the music or setup location. The current setting will appear on the display panel.
2. Now you can use the  $-/+$  buttons to adjust the volume of the bass level within a range of -6 dB to +6 dB.
3. To exit setup mode, you can push the **BASS** button again. Otherwise, the mode will automatically end after approx. 5 seconds of key inactivity.

## Radio

The Boomster is equipped with a radio for DAB+ and FM. 3 memory slots are available for your favorite stations. The enclosed telescopic antenna guarantees good reception.

---

## Selecting the radio

1. In order to receive the best signal strength for DAB/ FM, always pull out the antenna completely. If applicable, adjust its position for better reception later.
2. Briefly push the button for the desired reception range: DAB: Reception of digital radio stations. FM: Reception of analogue radio stations, RDS possible.

## Setting stations

Set the stations with the **backward/forward** buttons:

- DAB+: Access the previous/next station by tapping the button. Press and hold the forward button in DAB mode to force a re-scan.
- FM: Each time you tap the button, the receiving frequency will be decreased/increased by 50 kHz. Pushing and holding the button will start the forward or backward station scan. The scan will stop at the next station received in sufficient quality. If necessary, start the scan again until you have found the desired station. The name of the set station appears on the display panel.

## Saving and accessing stations

- If you would like to save the set station, push and hold one of the favorite buttons for approx. 2 seconds. The notice “SAVED” will appear briefly on the display panel. The station has now been saved to this station button.

- 
- You can access the saved stations by briefly pushing the corresponding station button.



FM reception may be affected slightly while charging the rechargeable battery pack.

## AUX

### Connection

The jack **AUX IN** serves to connect an external player using a stereo cable with a 3.5 mm jack plug. You can connect any external players with a line-out jack or earphone jack.

### Playback

1. Push the Source button on BOOMSTER to select the AUX input. The notice “AUX IN” will appear on the display panel briefly.
2. Start playback on your external player.



The volume setting of the external player affects the volume of the BOOMSTER.

3. Control all playback functions via the external player.

## Bluetooth®

Via Bluetooth®, you can establish a wireless connection between a compatible

external player and the BOOMSTER. The audio output of your external player is then emitted by the Boomster.



## NOTICE

Only use the Bluetooth® function in locations where wireless radio transmission is allowed. Please keep in mind that the Bluetooth® behavior may differ depending on the external player's operating system.

### Bluetooth® options

Depending on the device type, your external player/smartphone may also have a number of Bluetooth® options such as media playback and call function. Here you can activate and deactivate the desired options.

You can find more information about the Bluetooth® options in the user manual for your external player/ smartphone.

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## Pairing

To play the audio of your external player on your BOOMSTER via Bluetooth®, you must first connect the devices with each other. This is called “Pairing”.

### Manual pairing

1. Turn on the Bluetooth® function on your external player (e.g. smartphone).
2. Push the Bluetooth button and hold it for approx. 2 seconds. As soon as the notice “Bluetooth pairing” appears on the display panel, the external player can be paired.
3. Let your external player/smartphone scan for Bluetooth® devices. You will find more information about this in the user manual of your external player. “Teufel BOOMSTER” should also appear in the list of detected devices following the scan.
4. Select “Teufel BOOMSTER” from the list of detected devices. Pairing is now complete and your BOOMSTER will now act as a Bluetooth® playback device. The BOOMSTER will now play back all sounds that would otherwise be played by your external player/smartphone.



When BT is selected as source and device list is not empty, the unit will auto-reconnect to the last connected device available. When auto-reconnect fails (60 seconds time-out reached), then BT enters connectable mode. You can delete BT list by pushing and holding **BT** button and **-** button for 2 seconds simultaneously.

### **Party mode and TWS Pairing**

The BOOMSTER supports "Party Mode", which allows switching audio playback between two simultaneously connected smart devices.

Additionally the BOOMSTER supports the TWS feature, which allows to playback sound from two BOOMSTERS simultaneously.

To activate TWS pairing mode, push the **Bluetooth** button and the **+** button simultaneously on both BOOMSTER. This will automatically select the Bluetooth source and start TWS pairing on both devices. After the pairing process successfully finished, the notice "TWS pairing" will appear on the display panel.

To switch between two speakers, push the **Bluetooth** button and **favorites 1/3** button simultaneously.

---

## Playback



The volume setting of the external player affects the volume of the BOOMSTER. You can only adjust the sound on your BOOMSTER.

Start playback on your external player and also use it to control the other playback functions.

---

## Terminating the Bluetooth connection

To terminate the Bluetooth® connection:

- Deactivate the Bluetooth® function on your external player/smartphone.
- Push and hold the **Bluetooth** button for approx. 2 seconds causing the pairing to be terminated.

## USB

The USB jack supplies power and charges external players such as smartphones, tablets or MP3 players.

The charging process may, however, take longer with the BOOMSTER than with the corresponding mains adapter.

### NOTICE

Please note that charging a device may reduce the rechargeable battery life of your BOOMSTER.

## 5. Remote Control

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You can use the IR Remote Control as an accessory.

### Functions

- Switching the BOOMSTER on and off: Push and hold the power button for approx. 2 seconds.
- Selecting source: Tap the corresponding button to select source (FM, DAB, BT, AUX).
- Play/pause: Tap the Play/pause button to play/pause the playback.
- Backward/Forward: Tap: BT: previous/next track; DAB: tune to previous/next station; FM: step down/up frequency 50khz. Push and hold for 2 seconds: FM/DAB: scan for DAB/FM stations.
- (1/2/3) Favorites: store and select preset FM/DAB stations etc.
- Adjusting the volume: Tap the volume up/down buttons.
- Mute/Un-mute: Tap the mute button.

---

## Changing the batteries

The remote control is powered by 1 CR2032 compatible battery. Simply pull off the cover to open the battery compartment and change a new battery.

### NOTICE

When inserting the battery in the compartment, make sure that the polarity is correct.

## 6. Care And Cleaning

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### **External influences may damage or destroy the device.**

- If the device is to be left unattended for a prolonged period of time (e.g. during a vacation) or if a thunderstorm is forecast, pull the mains plug out of the socket. Otherwise, sudden overvoltage could cause the device to become defective.
- In the event of prolonged absence, remove the batteries from the remote control. Leaked batteries may damage the device.
- If possible, only use plain water without any additives. In case of stubborn marks, a mild soap solution may be used.
- Do not use caustic cleaning products, white spirit, thinners, petrol or similar under any circumstances. Such cleaning agents may damage the delicate surface of the housing.
- Ideally, you should remove dust or small amounts of dirt with a dry, smooth leather cloth.
- Use a damp cloth to rub off stubborn dirt. Make sure that no liquid penetrates the housing.
- Then immediately wipe the damp surfaces off with a soft cloth without applying pressure.

## 7. Troubleshooting

The following advice should help you to solve problems. If this does not work, our online manual will provide help: <https://manual.teufelaudio.com>

| Problem                                   | Solution  |
|---|---|
| The BOOMSTER doesn't emit sound.          | Make sure that power is supplied. Check to make sure that the mains cord is securely seated. Recharge the rechargeable battery.                       |
| No sound.                                 | The wrong source has been selected. Select the correct source.  |
|   | The volume has been set too low. Increase the volume.   |
|   | The volume of the external player has been set too low. Carefully increase the volume of the external player.   |
| No sound in Bluetooth® mode.              | No Bluetooth® connection. Establish a connection.   |
|   | BOOMSTER has not been selected as the output device. On the external player, select "Teufel BOOMSTER" as the Bluetooth® output device.                |
|   | Bluetooth® connection impaired by another radio system (e.g. cordless telephone, Wi-Fi). Move the devices causing the disturbance.                    |
| The radio reception is noisy or cuts out. | Input signal is too weak. Pull the telescopic antenna all the way out. Adjust the position of the antenna. Place the Boomster NG in another location. |

---

## NOTICE

If all solutions fail, consider restoring to factory settings. To reset all values to factory default values, push and hold **Power** button and **BASS** button for 8 seconds, it will empty all Bluetooth device list and saved parameters, so please proceed with caution.

## 8. Technical Data

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The following radio frequency bands and radio transmitting powers are used in this product:

| Frequency bands in GHz | Max. transmission power in dBm |
|------------------------|--------------------------------|
| 2.402GHz ~2.480GHz     | 1 mW / 0 dBm                   |

The operating temperature range is between 0°C and 45°C.

The storage temperature range is between -20°C and 65°C.

### Boomster NG

Power supply: 12 V DC / 4 A

Dimensions (W x H x D): 370 x 179 x 148 mm

Weight: 3.6 kg

Battery: Lithium-Ion, 7.2 V, 7.5 Ah

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## **External AC mains adapter**

Type: GPE048G-120400-D

Manufacturer: Golden Profit Electronics LTD

Input voltage: 100-240 V AC

Frequency: ~ 50/60 Hz

Output voltage: 12 V DC

Current: 4 A

Power: 48 W

Average efficiency: 90.31%

Efficiency with 10% load: 83.75%

No load power consumption: 0.1%

## 9. Declaration Of Conformity

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### Declaration of Conformity

Lautsprecher Teufel GmbH hereby declares that this product complies with the requirements of the directives 2014/30/EU, 2014/35/EU, 2014/53/EU, 2009/125/EC, 2011/65/EU, EC No. 850/2004 (SCCP, PAH, etc.), EC No. 1907/2006 to the extent they are installed and used in accordance with the instructions of the manufacturer. The full text of the EU declaration of conformity is available at the following Internet address:

[www.teufelaudio.com/declaration-of-conformity.html](http://www.teufelaudio.com/declaration-of-conformity.html)

Please contact our customer service department with any questions, suggestions, or complaints:

# Teufel

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