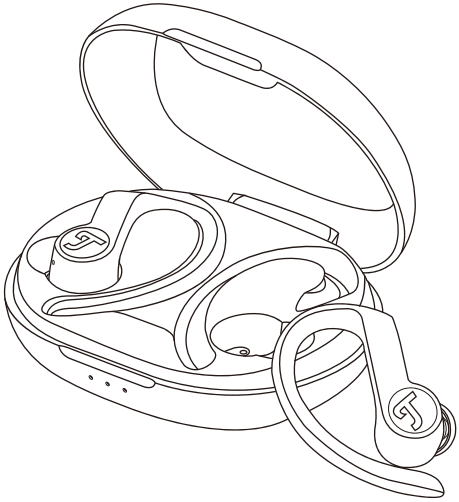
Technical Description And User Manual



Teufel AIRY SPORTS TWS

Bluetooth On-Ear Headphone

Teufel

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General Information

Notice

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Version 5.4

Right of Return

If you wish to exercise your right of return, we ask that you make sure that you hold onto the original packaging. We can only accept the return of headphones WITH THE ORIGINAL PACKAGING. Headphones returned without the original packaging will not be accepted.

Complaints

In the event of a complaint, the invoice number is required in order for your complaint to be processed. The invoice number can be found on the sales slip (enclosed with the product) or on the order confirmation PDF document.

Thank you for your support!

For Your Safety

Proper Use

The “Teufel AIRY SPORTS TWS” Headphone are designed for the playback of audio signals that can be wirelessly transmitted via Bluetooth® from the external player. The headphones are also suitable as a headphone for connecting to Bluetooth compatible (mobile) phones. Only use the headphones as described in this user manual. 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 improper use. The headphones are intended for private use only.

Before operating the headphones, please first read the safety notes and user manual carefully. This is the only way to use all functions safely and reliably. Store the user manual in a safe place and also be sure to pass it on to any subsequent owner.

Safety notes

This chapter contains general safety notices. You should always observe these notices to protect both yourself and third parties. You should also observe the warning notices in each chapter of this user manual.

Explanation of terms

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

⚠ WARNING

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

⚠ CAUTION

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

NOTICE

This signal term warns you of potential damage.

ℹ This symbol advises of useful additional information.

⚠ WARNING

Danger of suffocation! Children can become trapped in the packaging film when playing and suffocate.

- Make sure that children do not play with the packaging, and that they do not pull off small parts of the headphones and put them in their mouth.

Risk in road traffic and at work! Your headphones significantly dampen external noise so that you are not entirely aware of your surroundings.

- Do not in any case wear your headphones while performing activities where you are required to pay attention to your surroundings. This particularly applies to when you are operating machinery or driving on the road. You should also observe the legal guidelines and provisions of the country which you are in when using the headphones.

Attention! Risk of explosion/ fire! Lithium rechargeable batteries can explode if handled improperly.

- Do not heat or burn the rechargeable battery. Only charge the rechargeable battery at ambient temperature of 0–45 °C. Do not use the headphones in environments where there is a risk of explosion. Do not expose batteries and rechargeable batteries to direct sunlight.

Interference caused by radio waves! Radio waves could affect the function of other sensitive devices that are not protected.

- Only use the headphones in environments where the use of Bluetooth® is permitted.

⚠ CAUTION

Extended listening at high volumes may lead to hearing loss!

- To avoid damage to your health, avoid extended listening at high volumes.
- If the headphones are set to full volume, it may produce very high sound pressure. This might have psychological consequences and also cause physical injury. Children are especially at risk. Set the volume control of your player to low volume before you turn it on.

NOTICE

Risk of damage! Improper handling of the headphones may result in damage.

- Ensure that the headphones do not become wet, and protect them from moisture, heat (e.g. during the summer in cars) and mechanical influences (e.g. severe shocks, pressure and falling).

Disposal

Important information in accordance with the Electrical and Electronic Equipment Act (Germany: ElektroG)

We advise owners of electrical and electronic appliances that old electrical and electronic devices must be handed in separately from municipal waste, in accordance with the applicable regulations. Batteries and rechargeable batteries that are not firmly enclosed in old electrical devices and lamps, and that can be removed from the old device without destroying them, must be separated from them in a non-destructive manner before they are handed to the collection point for their intended disposal. Please take note of our information on the Batteries Act (Germany: BattG) below for disposing of batteries.

You make an important contribution to returning, recycling and further processing of old devices if you separate your old devices into the correct collection groups for recycling.

The symbol below of a crossed-out dustbin, applied to electrical and electronic appliances, also advises of the duty to separate collections:

Consumer electronics stores and supermarkets are obliged, under certain conditions, to take back old electrical and electronic devices, in accordance with section 17 of the Electrical and Electronic Equipment Act. Stationary retailers must take back an old electrical device of the same type when a new electrical device is bought (1:1 return). This also applies to home deliveries. These retailers must also take back up to three small old electrical devices (⩽ 25cm) without this being linked to a new purchase (0:1 return).

In accordance with the Electrical and Electronic Equipment Act, as online retailers of electrical devices and due to our product range, our obligation is limited to 1:1 return of large devices of > 50 cm when selling a new electrical or electronic device of the same type. We comply with the obligation of return of devices other than large devices through our service provider. You can find the exact contact data and collection points on our website www.teufel.de/entsorgung. It is also possible to return old electrical and electronic appliances free of charge at an official delivery point run by the public waste disposal authorities.

Important: For safety reasons we ask that you refrain from sending lighting fixtures (some lamps). For return of lighting fixtures please use the public waste disposal collection points or contact us directly at www.teufel.de/entsorgung.

As an end-user, you are responsible for deleting any personal data on old electrical appliances before handing it in.

Important: Our appliances can contain batteries/rechargeable batteries. If this is the case, please refer to its attached product documentation for additional information on the type and chemical make-up of the battery. For products with battery compartments you can directly remove the batteries or rechargeable batteries and dispose of them properly. If the batteries are built in to the product, do not in any case attempt to remove the batteries yourself, instead contact one of our employees or appropriate specialist staff.

Important information about the Batteries Act (Germany: BattG)

Batteries and rechargeable batteries must not be disposed on in household waste.

Old batteries can contain toxic substances that could damage the environment or your health if not stored or disposed of properly. This applies especially to improper handling of batteries containing lithium.

However, batteries also contain important raw materials such as iron, zinc, manganese and nickel and these can be reused. Separate collection enables recycling of these raw materials and avoids any negative impact on the environment or human health due to toxic substances being released.

The crossed-out dustbin symbol means that you should not dispose of old batteries and rechargeable batteries in household waste. In addition, you, as the end-user, are legally obliged to return old batteries.

You can hand in batteries and rechargeable batteries free of charge at an official return point such as any public waste disposal collection point. You can also hand in old batteries, that we stock or have stocked as new batteries, at one of our Teufel stores or at one of our dispatch warehouses. However, if you send them to our dispatch

warehouses we would like to point out the dangerous goods regulations of the dispatch provider you opt for and ask you not send batteries to us by post. You can get the addresses of our dispatch warehouses from our customer service.

Due to existing legal regulations, the battery manufacturer must use the following symbols with the following meanings when marking the batteries.

Hg: the battery contains more than 0.0005 mass percent of mercury

Pb: the battery contains more than 0.004 mass percent of lead

Cd: the battery contains more than 0.002 mass percent of cadmium

Otherwise, to avoid waste and littering, batteries with a long service life or rechargeable batteries should be used. Exchangeable rechargeable batteries enable long service for electrical and electronic appliances and thus devices and rechargeable batteries can be prepared for recycling (e.g. regenerating/ exchanging rechargeable batteries).

Further information on preventing waste for consumers can, however, be found in the Federal waste prevention programme with the participation of the Federal states.

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Qualcomm® aptX™

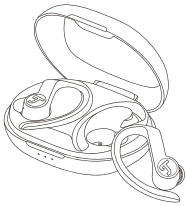
Qualcomm® aptX™ is a product of Qualcomm Technologies International, Ltd.

1. Introduction

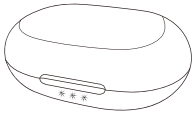
Thank you for purchasing the Teufel AIRY SPORTS TWS Bluetooth headphones which are designed to enrich an athletic and active lifestyle. Please read this user manual before using the headphones for the first time, it will provide you with useful information and help you get started.

2. What's in the box

Unpack the box carefully and ensure that the following parts are included. If any part is damaged or missing, do not use it and contact your retailer or customer service representative.



Headphones



Charging Case

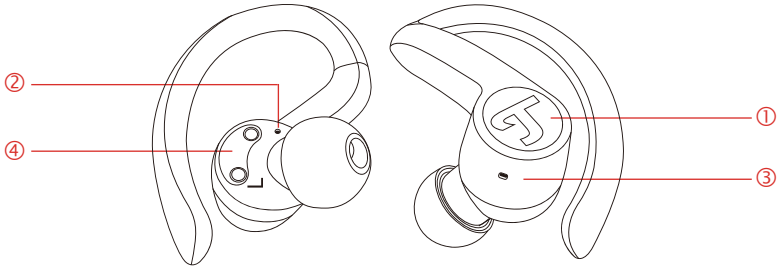
Eartips (M pre-mounted to the headphones)

USB Type-C Charging Cable

Quick Start Guide & User Manual

3. Product overview

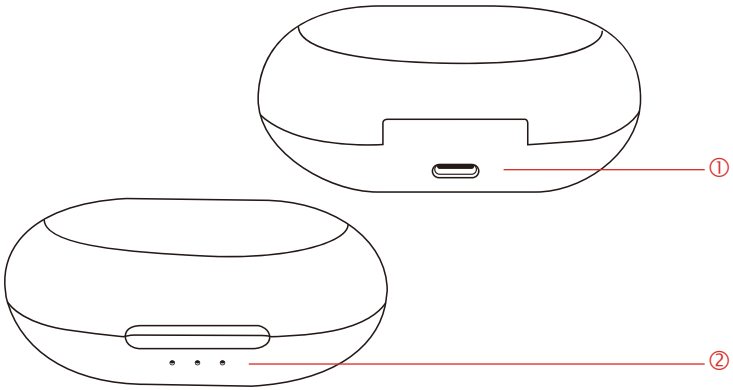
3.1 Headphones



The User Interface of “AIRY SPORTS TWS” has the following elements:

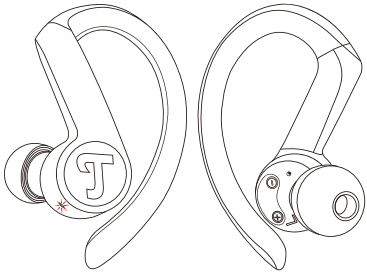
1. Multipurpose Area
2. Build-in Microphone
3. LED indicator
4. Charging contact

3.2 Charging Case



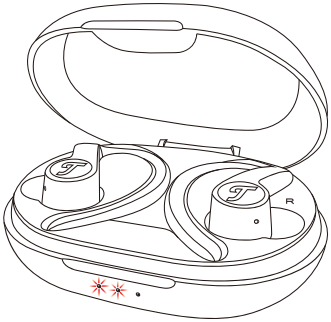
1. USB Type-C charging port
2. Power indicator

3.3 Headphone LED indications



Headphone State	LED indicator	Voices Alert
Power On	The indicator solid on red for 1 seconds.	“Power On”
Power Off	The indicator solid on red for 1 seconds.	“Power off”
Pairing	The indicator flashes white and red alternately.	“Pairing”
Pairing timeout	The indicator flashes white and red alternately for 10 minutes.	“Power off”
Pairing successful	The indicator solid on white for 3 seconds.	“Connected”
Standby	1. Headphone and the device have been successfully connected, the indicator flashes white once in 5 seconds. 2. L and R headphone are connected, but not connected to the device, the indicator flashes red once in 5 seconds. 3. Neither the device nor the headphones have been connected, the indicator flashes red once in 5 seconds.	
Connection lost (out of the effective range or turn off the Bluetooth)	The indicator flashes red once in 5 seconds. Reconnect: the indicator flashes white once in 5 seconds. Turn off: the indicator turns off after 15 minutes.	“disconnected”
Clear pair list	The indicator slowly flashes white and red 3 times.	

3.4 Charging case LED indications



Charging Case State	LED indicator
Opening/Closing case	Battery Level of case for 5s. Then off.
Battery level	3 LEDs on: Full, can charge headphones 2.6 times; 2 LEDs on: can charge the headphones 1.7 times; 1 LED on: can charge the headphones 0.8 time; When battery is low: the first LED on the left flashes.
Charging the case	The 1st LED flashes when the battery level falls below one third. The 1st LED is always on and the 2nd LED flashes when the battery level is more than one-third. The first two LEDs are on and the third LED flashes when the battery level is more than two-thirds. 3 LEDs are always on when fully charged. When unplugging the charging cable: 3 LEDs flash 3 times and then go out.
Charging the headphones	Put the headphones into the charging case, the LEDs are in white for 5 seconds and go out, then the LEDs on the left and right flash in white (if only one headphone is put in, then only one LED flashes, left for L headphone, right for R headphone), when fully charged, the current charging case battery level is displayed and the LEDs solid on white for 5 seconds and go out.

4. Getting started

4.1 Powering on & off

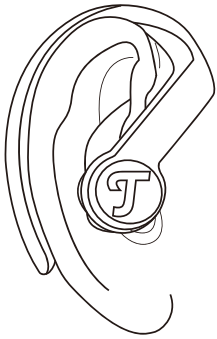
1. Open the charging case, the headphones will automatically turn on.
2. Place the headphones into the charging case, then close the charging case, the headphones will power off and charge.

4.2 Choosing the correct eartips

For optimal audio performance, it is important to choose the correct eartip size. Select the size that gives you the best comfort and fit in each ear. To determine the best fit, you may need to try all three sizes. You may need a different size for each ear.

NOTICE

To test the fit, try speaking aloud. Your voice should sound muffled in both ears; if not, select another tip size.



Insert the right headphone into your right ear and the left headphone into your left ear.

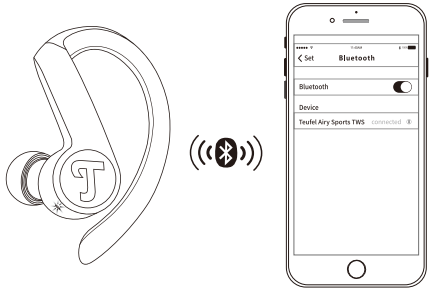
Insert the headphones at a slight angle into the ears and twist them slightly into the ear canal, so that they sit comfortably and snugly.

4.3 Connecting with the headphones

1. Opening the charging case for the first time will automatically turn on the headphones. The indicator LEDs of the headphones will illuminate soild white.
2. When removing the headphone from the charging case for the first time, they automatically start pairing mode.
3. Enable Bluetooth on your device and search for the “Teufel AIRY SPORTS TWS”. The indicator LEDs will illuminate solid white for 3 seconds.
4. If the headphones have been paired with another device already, hold both L and R multipurpose area for 8s to force pairing mode.

NOTICE

When opening the charging case the headphones will automatically reconnect to the last paired device. If the device is not available within 60 seconds, the headphones will enter pairing mode.



4.4 Information on the Bluetooth wireless connection

The headphones are compatible with Bluetooth 5.0.

If your audio source supports high-resolution audio encoding methods SBC, AAC and Qualcomm aptX, it will automatically play high audio quality music.

The paired devices immediately establish the Bluetooth wireless connection after switching on and are ready for use.

When you switch the headphones on, they automatically try to connect to the last connected Bluetooth device.

5. Using the Headphones

INTERACTION LEGEND

●	Single Tap
● ●	Double Tap
● ● ●	Triple Tap
● ● ● ● ●	5x Tap
3 sec	Middle Tap
4 sec	Long Tap
L/R	Either Earbud
L&R	Both earbuds simultaneously

Playback Controls

● **R Volume Up**
(Not available in single earbud mode)

● **L Volume Down**
(Not available in single earbud mode)

● ● **L/R Play/Pause**

● ● ● **R Next**
(Not available in single earbud mode)

● ● ● **L Previous**
(Not available in single earbud mode)

Calls

● **R Volume Up**
(Not available in single earbud mode)

● **L Volume Down**
(Not available in single earbud mode)

● ● **L/R Accept Call**

● ● **L/R End Call**

3 sec **L/R Reject Incoming Call**

Bluetooth

4 sec **L&R Force Bluetooth Pairing**
Tap and hold both Left and Right earbuds simultaneously when earbuds are powered on and not in charging case

● ● ● ● ● **L&R Clear BT Device List**
(when inside charging case)

Voice Assistant

3 sec **L Activate Voice Assistant**

3 sec **L Stop Voice Assistant**

Power

3 sec **R Power On (Manually)**
Tap and hold right earbuds when in a powered off state to wake-up / power on earbuds.

6. Charging

6.1 Charging the headphones

The headphones charge while they are in the charging case.

6.1.1 Charging time

Allow up to two hours to fully charge the headphones.

NOTICE

A full charge of the headphones allows up to 9 hours of use.

6.1.2 Check the headphone battery level

While using the headphones

If connected to an Apple or Android device, the device displays the approximate battery level near the upper right corner of the screen and in the notification bar.

This displayed battery level is not accurate. To get the real-time battery level, use a Battery Widget for Android or iOS.

While charging the headphones

When an headphone is inserted, its corresponding charging indicator glows according to charging status.

Battery status

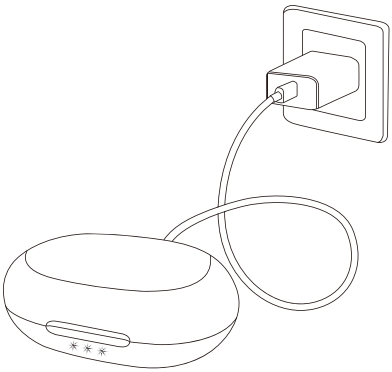
1-32%	LED 1 flashes
33-65%	LED 1 solid on and LED 2 flashes
66-99%	LED 1 + 2 solid on and LED 3 flashes
100%	LED 1 + 2 + 3 solid on

6.2 Charging the charging case

The charging case stores and charges the headphones when not in use.

⚠ CAUTION

Use this product only with an agency approved power supply which meets local regulatory requirements (e.g., UL, CSA, VDE, CCC).



1. Connect the small end of the supplied USB cable into the USB Type-C port.
2. Connect the other end into a USB wall charger (not provided).

NOTICE

Before charging, be sure that the headphones are at the correct operating temperature of between 0-40°C.

6.2.1 Charging time

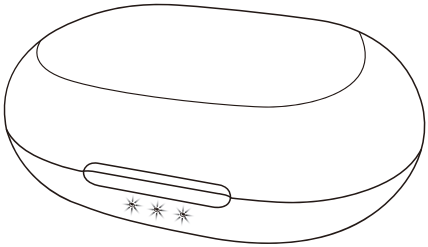
Allow up to two hours to fully charge the case. When the headphones are inside of the case, charging time varies.

NOTICE

When the case in fully charged, you can charge the headphones up to 3 times.

6.2.2 Check the case battery level

The LED power indicators are on the front of the case, they glow according to the battery level as follows:



Overview of the LED indications of the charging case.

Charging Case State	Charging Case LED Behavior
Battery Level of charging case 66% - 100%	All 3 LEDs solid on for 5s. Then off.
Battery Level of charging case 33% - 65%	LED 1 and LED 2 solid on for 5s. Then off.
Battery Level of charging case 11% - 32%	LED 1 solid on for 5s. Then off.
Battery Level of charging case 1% - 10%	LED 1 keeps repeating fast flashing.
Charging the case	Status LEDs flash according to charging progress: 0% - 32% power: LED 1 flashes 33% - 65% power: LED 1 solid on, LED 2 flashes 66% - 99% power: LED 1 and 2 solid on, LED 3 flashes
Charging Complete	All 3 LEDs solid on while charging cable is connected.
On connecting charging cable	LEDs display current battery level for one second and then repeat charging pattern according to charging progress.
On disconnecting charging cable	LEDs display current battery level for 3 times. Then off.

7. Care and maintenance

7.1 Cleaning the headphones and charging case

The headphones and charging case may require periodic cleaning.

Component	Cleaning procedure
Eartips	Remove the tips from the headphones and wash them with a mild detergent and water. **Note:** Make sure you thoroughly rinse and dry the tips before re-attaching them to the headphones.
Headphone nozzles	Clean only with a dry, soft cotton swab or equivalent. **Note:** Never insert any cleaning tool into the nozzle.
Charging pins (on headphones and case)	To prevent rusting, regularly clean with a dry, soft cotton swab or equivalent.
Charging	Clean only with a dry, soft cotton swab or equivalent.

7.2 Storing the headphones in the charging case

Store the headphones in the charging case to prevent damage to the headphones when you are transporting them. The headphones are automatically charged when in the charging case so that you always have the longest possible battery life.

– Open the charging case, lift the magnetic top cover, and insert the left headphone into the left charging compartment and the right headphone into the right charging compartment.

The headphones are magnetically pulled into the charging compartments.

– Close the charging case.

8. Troubleshooting

Common solutions

If you experience problems with your headphones or USB charging cable:

1. Check the state of the power indicators.
2. Charge the battery.
3. Increase the volume on your mobile device.
4. Try connecting another mobile device.

If you cannot resolve the issue, see the table below to identify symptoms and solutions to common problems. If you are still unable to resolve your issue, contact Teufel customer service.

Symptom	Solution
Headphones don't power on	1. Place the headphones in the charging case to initiate charging. 2. Make sure the headphones are not in standby mode and wake it up.
Headphones don't connect with mobile device	1. Make sure your mobile device supports Bluetooth technology. 2. On your mobile device: turn the Bluetooth feature off and then on. 3. Delete your Teufel AIRY SPORTS TWS headphones from the Bluetooth list on your mobile device. Connect again. 4. Move your mobile device closer to the headphones and away from any interference or obstructions. 5. Connect a different mobile device. 6. Clear the headphones pairing list and connect again. To clear the BT device list, put the headphones in the charging case and hold the L and R multipurpose areas for 8 seconds.

Symptom	Solution
Headphones don’t charge	1. Make sure the headphones are properly placed in the charging case. 2. Make sure the charging case battery is not depleted. 3. Make sure there is no dirt or debris covering the charging conductors within the case or on the headphones. 4. If your headphones have been exposed to high or low temperatures, let the headphones return to room temperature and then try charging again.
Charging case doesn’t charge	1. Check the case battery level by opening the case. If needed, charge the case with the supplied USB type-c cable. 2. Secure both ends of the USB cable. 3. If your charging case has been exposed to high or low temperatures, let the case return to room temperature and then try charging again.
No sound	1. Tap Play on your mobile device to make sure the audio track is playing. 2. Place the headphones in the charging case to check the headphones charging status. If needed, charge the headphones. 3. Increase the volume on the mobile device. 4. Move your mobile device closer to the headphones (10 m) and away from any interference or obstructions. 5. Use a different music source. 6. Connect a different mobile device.
No sound from one headphone	Make sure that both headphones are charged and that the headphones are paired with your Bluetooth device and connected to it. Also make sure that the headphones are inserted into your ears correctly.

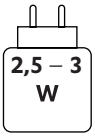
Symptom	Solution
Poor sound quality	1. Make sure that both headphones fit securely in your ear. 2. Use a different music source. 3. Try connecting another mobile device. 4. Move your mobile device closer to the headphones (10 m) and away from any interference or obstructions. 5. Clear any debris or wax buildup from the headphones and headphones nozzles.
Eartips falling off	Securely attach the tips to the headphones.
TWS Pairing (for Lost and purchase a single side)	Take out the Headphones, triple-tap the multipurpose button one by one.

9. Technical Data

Driver Size:	Ø8mm full range
Max Level during BT playback:	100dB SPL (A) (According to EN-50332)
THD + N Ratio:	<1% @ 0dBFS (100% Abs Volume)
Battery:	Earbuds (x2): Lithium-Ion, 3.7 V, 60 mAh Charging Case (x1): Lithium-Ion, 3.7 V, 500 mAh
Radio network:	Bluetooth®
Frequency bands in MHz:	2400 – 2483.5
Transmission power in mW/dBm:	< 10 mW/< 10 dBm

You can find further technical data on our website.

Technical changes reserved!



10. Declaration Of Conformity

Lautsprecher Teufel GmbH declares that this product complies with Directive 2014/53/EU. The full text of the EU declaration of conformity can be found at these Internet addresses:
www.teufel.de/konformitaetserklaerungen
www.teufelaudio.com/declaration-of-conformity

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

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