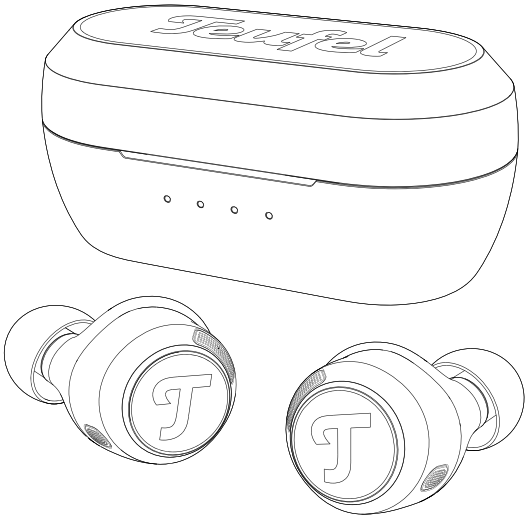
Technical Description And User Manual



REAL BLUE
REAL BLUE TWS 3

Bluetooth In-Ear Earphone

Teufel

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Introduction

Thank you for purchasing the Teufel REAL BLUE TWS 3 Bluetooth earphones which are designed to bring an extraordinary sound experience for your entertainment. Please read this user manual before using the earphones for the first time, it will provide you with useful information and help you get started.

General Information

Notice

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Version 1.1

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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 earphones with the original packaging. Earphones 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 REAL BLUE TWS 3” Earphone are designed for the playback of audio signals that can be wirelessly transmitted via Bluetooth® from the external player. The earphones are also suitable as a earphone for connecting to Bluetooth compatible (mobile) phones. Only use the earphones 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 earphones are intended for private use only.

Before operating the earphones, 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.

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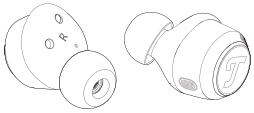
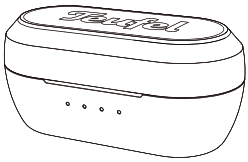
1. What's in the box

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.



1x pair of Earphones with eartips



1x Case

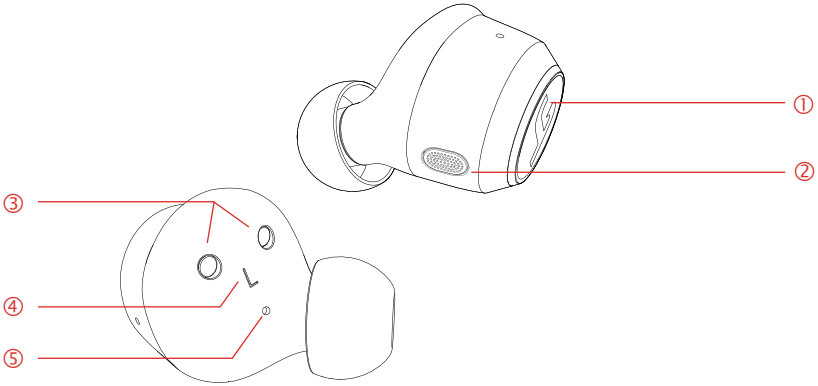
4x pairs of ear tips

1x Type C to Type A cable

1x Multi-language Quick Start Guide
1x Safety Booklet

2. Product overview

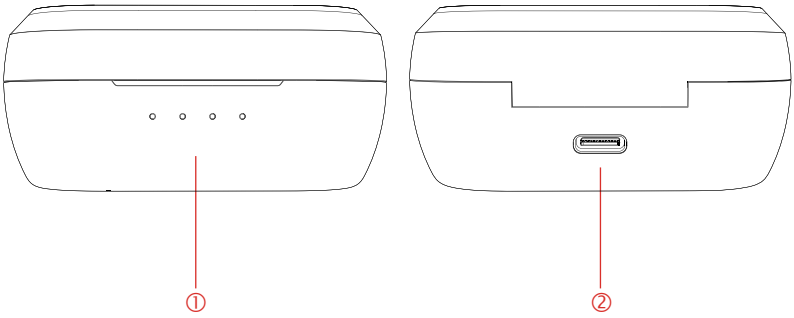
2.1 Earphones



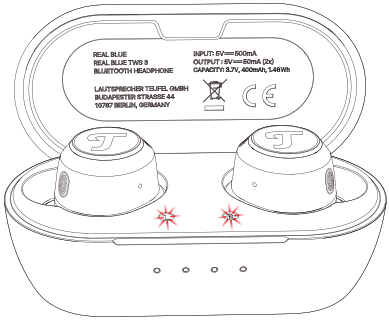
The User Interface of “REAL BLUE TWS 3” has the following elements:

1. Multipurpose Area
2. Built-in Microphone
3. Charging contacts
4. Position label - left (L) and right (R)
5. Venting hole

2.2 Charging Case



1. Battery indicator
2. USB-C charging port



3. Getting started

3.1 Powering on & off

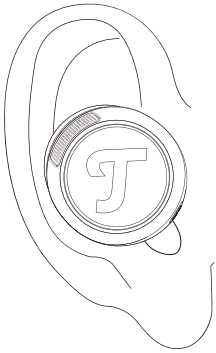
1. Open the charging case, the earphones will automatically turn on.
2. Place the earphones into the charging case, then close the charging case, the earphones will power off and continue charging.

3.2 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 four 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.

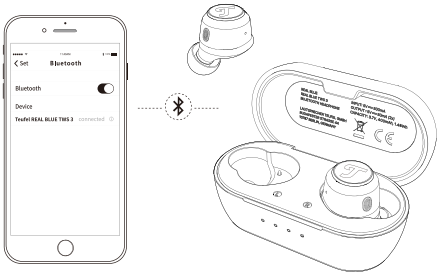


Insert the right earphone into your right ear and the left earphone into your left ear.

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

3.3 Connecting with the earphones

1. Opening the charging case for the first time will automatically start pairing on the earphones.
2. Enable Bluetooth on your device and search for the “Teufel REAL BLUE TWS 3”. A sound confirmed once successfully paired.
3. If the earphones have been paired with another device before, hold both L and R multipurpose area for 1.5 seconds. The earphones will enter pairing mode and the new device can find and connect to it.
4. If the earphones have already been paired to a device, they will automatically reconnect to that device. If none of these devices are available within 60 seconds, the earphones will enter connect mode for previously connected devices.



3.4 Information on the Bluetooth wireless connection

The earphones are compatible with Bluetooth 5.2.

If your audio source supports high-resolution audio encoding methods SBC, AAC, 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 earphones on, they automatically try to connect to the last connected Bluetooth device.

3.5 Teufel Headphones App

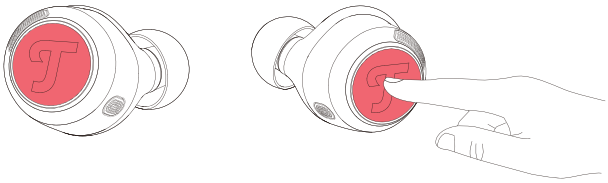
The headphone will come with an iOS and Android app that allow for the following functions:

- Battery Status
- Transparency/ANC
- EQ
- Personalized Earpice Controls
- Headphone Settings

Download on the App Store

GET IT ON Google Play

4. Using the Earphones



Play music

●	▶II	Single-tap the L/R multipurpose area to play/pause music.
●●	▶▶I	Double-tap the R multipurpose area to skip to the next track.
●●	I◀◀	Double-tap the L multipurpose area to go back to the previous track.

Phone Call

●		Single-tap L/R multipurpose area to mute/unmute your phone during a call.
●●		Double-tap L/R multipurpose area to answer a call.
1.5 sec		Tap and hold L/R multipurpose area 1.5 seconds to refuse a call.
●●		Double-tap L/R multipurpose area to hang up a call.

Volume

During playback, tap and hold R multipurpose area for volume up, L multipurpose area for volume down.

Voice Assistant

1.5 sec		User defind command via Teufel Headphone App

Transparency

●●●		Triple-tap L multipurpose area to turn on/off Transparency.

ANC

●●●		Triple-tap R multipurpose area to turn on/off ANC.

Clear BT List

● 4 sec		Short press either one followed with a long press to clear the BT list.

5. Charging

5.1 Charging the earphones

The earphones charge while they are in the charging case.

5.1.1 Charging time

Allow up to two hours to fully charge the earphones.

NOTICE

A full charge of the earphones allows up to 7.5 hours of use.

5.1.2 Check the earphone battery level

While using the earphones

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 or the companion app.

While charging the earphones

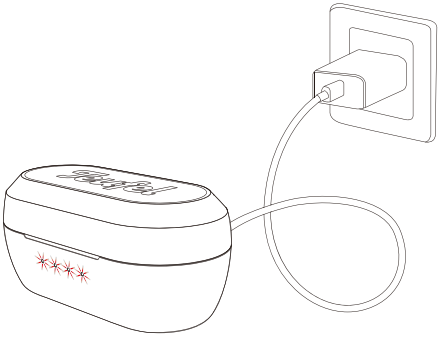
When an earphone is inserted, its corresponding charging indicator in the case is solid on for two seconds and slowy flashing while charging.

5.2 USB-C Charging

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

⚠ CAUTION

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



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

NOTICE

Before charging, be sure that the earphones are at the correct operating temperature of between 0°C and 45°C.

5.2.1 Charging time

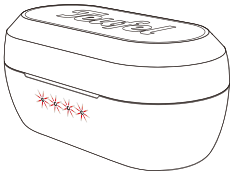
Allow up to two hours to fully charge the case. When the earphones are inside of the case, charging time varies.

NOTICE

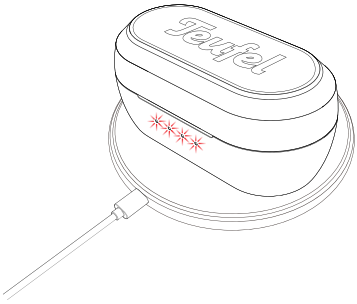
When the case in fully charged, you can charge the earphones up to 4 times.

5.2.2 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:



5.3 Charging wirelessly



5.4 ANC and Transparency Mode

ANC Mode

Peacefully enjoy your sound in a constantly noisy environment.

You switch ON/Off ANC by tripel tape pressing multipurpose area-R

Transparency Mode

Listen to your favourite content while hearing the most relevant sounds from the outside world.

You switch On/Off Transparency Mode by triple tape pressing multipurpose area-L

External sounds are mixed to the music and you can hear conversations or announcements.

Overview of the LED indications of the charging case.

Charging Case State	Charging Case LED Behavior
Battery level of charging case 71-100%	All 4 LEDs solid on for 3 seconds, then off.
Battery level of charging case 46-70%	LEDs 1-3 solid on for 3 seconds, then off.
Battery level of charging case 21-45%	LEDs 1-2 solid on for 3 seconds, then off.
Battery level of charging case 11-20%	LED 1 solid on for 3 seconds, then off.
Battery level of charging case 0-10%	LED 1 fast flashing for 3 seconds, then off.
Charging the case	Status LEDs flash according to charging progress: 0% - 20% power: LED 1, 2, 3 and 4 flash in turn 21% - 45% power: LED 1 solid on and the LED 2, 3 and 4 flash in turn 46% - 70% power: LED 1 and LED 2 solid on and LED 3 and 4 flash in turn 71% - 99% power: LED 1, LED 2 and LED 3 solid on and LED 4 flashes LEDs 1, 2, 3 and 4 are always on when fully charged.
Charging Complete	All 4 LEDs solid on while charging cable is connected, then solid on for 1 min.
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 3s. Then off.

6. Care and maintenance

6.1 Cleaning the earphones and charging case

The earphones and charging case may require periodic cleaning.

Component	Cleaning procedure
Eartips	Remove the tips from the earphones 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 earphones.
Earphone nozzles	Clean only with a dry, soft cotton swab or equivalent. **Note:** Never insert any cleaning tool into the nozzle.
Charging pins (on earphones and case)	To prevent rusting, regularly clean with a dry, soft cotton swab or equivalent.
Charging Case	Clean only with a dry, soft cotton swab or equivalent.

6.2 Storing the earphones in the charging case

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

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

The earphones are magnetically pulled into the charging compartments.

– Close the charging case.

7. Troubleshooting

If you experience problems with your earphones or charging case, 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
Earphones don't power on	1. Place the earphones in the charging case to initiate charging. 2. Make sure the earphones is not in standby mode and wake it up by pressing the multipurpose area.
Earphones 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 REAL BLUE TWS 3 earphones from the Bluetooth list on your mobile device. Connect again. 4. Move your mobile device closer to the earphones and away from any interference or obstructions. 5. Connect a different mobile device. 6. Clear the earphones pairing list and connect again. To clear the BT device list, a tap followed with a long press (4s) on either one earphone.
Earphones don't charge	1. Make sure the earphones 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 earphones. 4. If your earphones have been exposed to high or low temperatures, let the earphones return to room temperature and then try charging again.

Symptom	Solution
Charging case doesn't charge	1. Check the case battery level by opening the case. If needed, charge the case with the supplied USB-C cable. 2. Make sure, both ends of the USB cable are plugged in correctly and securely. 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 earphones in the charging case to check the earphones charging status. If needed, charge the earphones. 3. Increase the volume on the mobile device. 4. Move your mobile device closer to the earphones (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 earphone	Make sure that both earphones are charged and that the earphones are paired with your Bluetooth device and connected to it. Also make sure that the earphones are inserted into your ears correctly.
Poor sound quality	1. Make sure that both earphones 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 earphones (10 m) and away from any interference or obstructions. 5. Clear any debris or wax buildup from the earphones and earphones nozzles.
Eartips falling off	Securely attach the tips to the earphones.

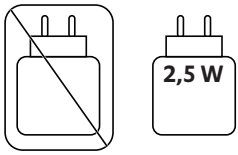
Symptom	Solution
TWS Pairing (for Lost and purchase a new earbud)	1. Make sure, there is no Bluetooth connection enabled in your playback device. 2. Put the two earphones in the charging case. 3. The pairing will be done with 3 short presses on both earphones respectively.

8. Technical Data

Driver Size:	Ø12 mm full range
Max Level during BT playback:	100 dB SPL (A) (According to EN-50332)
Battery:	Earbuds (x2): Lithium-Ion, 3.7 V, 50 mAh Charging Case (x1): Lithium-Ion, 3.7 V, 400 mAh
Radio network:	Bluetooth®
Frequency bands in MHz:	2400 – 2483.5
Transmission power in mW/dBm:	< 10 mW/< 10 dBm
USB Charging Power:	5V 0.5A

You can find further technical data on our website.

Technical changes reserved!



The power delivered by the charger must be between min 2,5 Watts required by the radio equipment, and max 2,5 Watts in order to achieve the maximum charging speed.

To charge the loudspeaker, we recommend the Lautsprecher Teufel Power Adapter 30 W USB-C E030-1P200150VE. With this power adapter, the power consumption in off mode is below the limit of 0.5 W required by the Ecodesign Directive.

9. Declaration Of Conformity

CE 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

Teufel

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

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