Technical description and user manual

REAL BLUE®

REAL BLUE NC 3

Over-Ear Bluetooth Headphones

Teufel

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General information

Notice

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Version 1.0

May 2025

Validity of the user manual

The user manual applies exclusively to the **REAL BLUE NC 3** headphones, hereinafter also referred to as "headphones".

Trademarks

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The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Lautsprecher Teufel is under license.

Privacy and advertising policy

Lautsprecher Teufel GmbH is not affiliated with any of the services on the Google Assistant system. We do not store any personal data and are not involved in any advertising mailings.

Right of return

If you wish to exercise your right of return, please keep the original packaging. We can only accept the return of headphones IN THE ORIGINAL PACKAGING. Headphones returned without their original packaging will not be accepted.

Complaints

Thank you very much for your assistance.

In the event of a complaint, the invoice number is required for your complaint to be processed. You will find the invoice number on the sales receipt (enclosed with the product) or the order confirmation PDF document.

Contact

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

Lautsprecher Teufel GmbH
BIKINI Berlin, Budapester Straße
4410787 Berlin (Germany)

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Online support:

teufelaudio.com/support
teufel.de/support

Contact:

teufelaudio.com/contact
teufel.de/kontakt

Proper use

The Teufel REAL BLUE NC 3 headphones have been designed for playback of audio signals that can be transmitted wirelessly via Bluetooth® from an external player. The headphones are also suitable as headphones 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 of property or injury to persons.

The manufacturer does not accept any liability for damage caused by improper use.

The headphones are intended for personal use only.

Before using the headphones, please read the safety booklet and the user manual carefully. This is the only way to use all the functions and features safely and reliably. Store the user manual in a safe place and pass it on to any subsequent owner.

Introduction

Thank you for purchasing the Teufel REAL BLUE NC 3 Bluetooth headphones. These dependable, everyday over-ear headphones feature active noise cancellation, delivering your music via Bluetooth with an attractive design, high comfort, and great functionality. Hear only what you want to hear - without distraction, thanks to active noise cancellation and the Transparency mode.

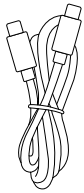
Package contents

① Real Blue NC 3 headphones
② USB-C charging cable
③ Audio cable
④ Bag
⑤ Carabiner
Quick Start Guide
Safety booklet

What's in the box

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

①

②


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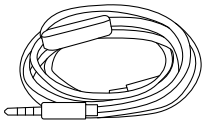

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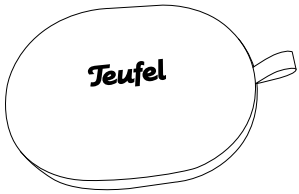

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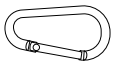
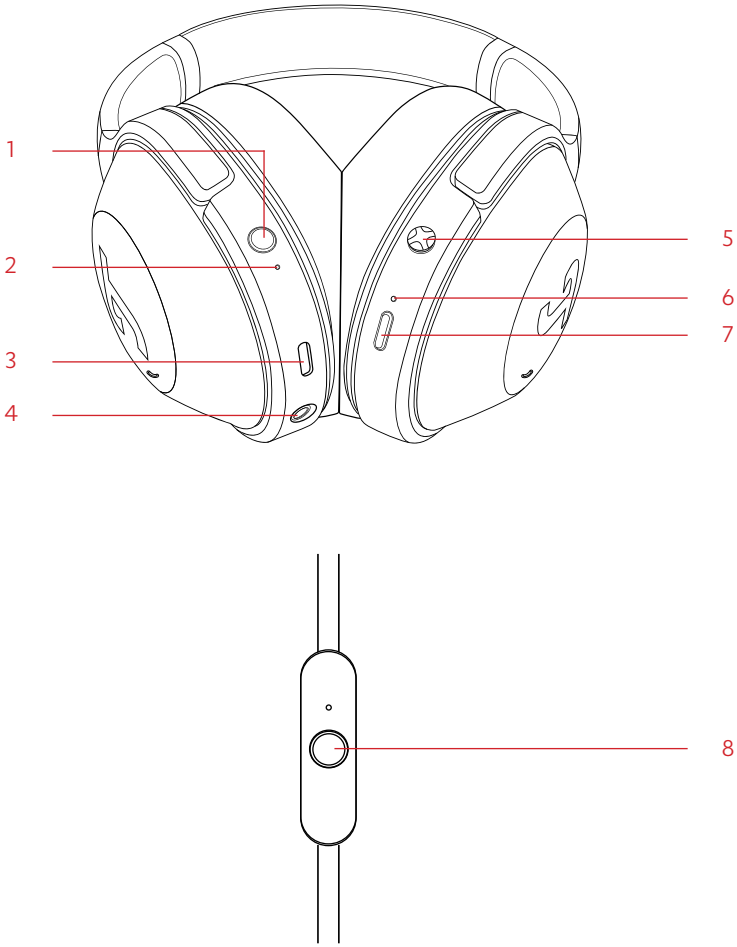


Product overview



The Teufel REAL BLUE NC 3 features the following controls:

	Name	Description
1	Power button	– Press and hold for 1.5 seconds to switch the headphones on or off – Short press to see the battery status. – Double press to enter Bluetooth pairing mode. – Press and hold for 8 seconds to delete the device list
2	Status LED	Shows battery level, charging level or operation status.
3	USB-C port	Port for USB-C charging cable
4	AUX In	Port for 3.5mm audio cable connection
5	Joystick	– Push upwards, downwards, sideways or press at the centre for playback controls, handling phone calls or voice assistant (see the "How to use" chapter)
6	ANC/Transparency LED	– Lights up green when ANC is enabled by pressing the ANC/Transparency button – Lights up in white when the Transparency mode is switched on – Lights up in yellow when the Conversation mode is switched on
7	ANC/Transparency button	– Short press to switch between ANC and Transparency mode – Double press to call up Conversation mode – Press and hold for 1.5 seconds to turn off ANC/Transparency mode
8	Remote control	In-line remote control

Powering on & off

- Press and hold the power button **(1)** for 1.5 seconds to switch the headphones on or off.
- The headphones switch off automatically after 10 minutes without an audio signal or user input.
- You can change the auto-off timer in the Teufel Headphones app.

Connecting to the headphones

1. Press and hold the power button **(1)** for 1.5 seconds to switch on the headphones.
2. If the device list (memory) of the headphones is empty (there are no previously connected devices), the status LED **(2)** will flash blue rapidly. The headphones are now in Bluetooth pairing mode and emit a repeating system sound.

NOTICE

If the device list of the headphones is not empty (devices are already connected), the status LED **(2)** lights up blue. The headphones are now in connection mode and automatically connect to already connected devices if they are within the Bluetooth range (10 metres). If you want to pair a new device, double press the power button to enable the Bluetooth pairing mode.

3. Enable the Bluetooth feature on your device and select "REAL BLUE NC 3" from the list of available devices. The LED will light up in blue for 3 seconds if the pairing was successful. You will also hear a system sound.

NOTICE

Bluetooth mode only works if no connection cable is connected to the AUX In port **(4)**. As soon as the connection cable is connected, Bluetooth mode will be disabled. The headphones save the last 7 paired devices and automatically connect to them if the devices are within Bluetooth range (10 m). To delete the device list, press and hold the power button **(1)** for 8 seconds while the headphones are switched off until the LED flashes blue twice.

Information on the wireless Bluetooth connection

- The headphones are compatible with Bluetooth 5.3.
- If your audio source supports high resolution audio encoding methods such as SBC and AAC, the music will automatically be played in high audio quality.
- The paired devices immediately establish the Bluetooth wireless connection after switching on and are ready for use.

- When the headphones are switched on, they automatically attempt to connect to the last connected Bluetooth device.

Teufel Headphones app

The headphones come with an iOS and Android app that offers the following functions and features:

- User-configurable EQ and preset selection
- Display of the battery level
- ANC setting
- Transparency setting
- Disable the voice assistant trigger
- Disable/adjust the time for automatic switch-off
- Software update

Download on the App Store

GET IT ON Google Play

Headphone LED indicators

The status LED **(2)** does not light up during operation unless the operating status changes. The most common LED indicators can be found in the table below.

Status LED (left ear cup)	Status
Slow flashing red	The battery level is low, please charge your headphones.
Fast flashing blue	Bluetooth pairing mode is active, the headphones can be connected to a new device.
Breathing blue	Ready for connection with an already paired device (connection mode). The connection can be re-established with the Bluetooth list on your device.
Lights up blue constantly for 3 seconds	The Bluetooth connection was successful.
Flashes blue twice	The device list (memory) of the headphones is emptied.
Flashes white once	A call has been accepted, rejected or terminated. The voice assistant has been enabled/ disabled. The title was skipped. The volume has been changed.
Breathing white	Playback is paused or the sound output is muted.

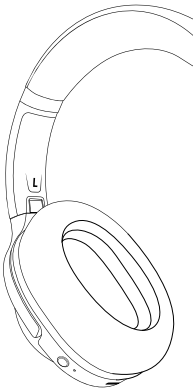
The ANC/Transparency LED **(6)** does not light up during operation unless the operating status changes. The most common LED indicators can be found in the table below.

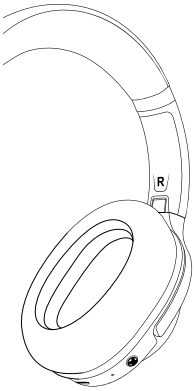
ANC/ Transparency LED (right ear cup)	**Status**
Lights up green constantly for 3 seconds	ANC mode is switched on (pressing the ANC button switches the mode and the LED colour becomes visible)
Lights up white constantly for 3 seconds	Transparency mode is enabled (the mode is toggled by pressing the ANC button, making the LED color visible).

Wearing the headphones

The Teufel REAL BLUE NC 3 has the letters “L” or “R” on the inside of the headband.

These letters indicate how the headphones should be worn. The side with the „L“ is for the left ear and the side with the „R“ is for the right ear.





ANC and Transparency mode

ANC

Enjoy your music even in noisy environments. The ANC/Transparency LED **(6)** lights up in green when ANC is switched on using the ANC/Transparency button.

By default, ANC is switched on.

- Press and hold the button for 1.5 seconds to enable ANC. If you want to use ANC while no music is playing, please set the Timer to “Never” in the Teufel Headphones app.

Transparency

Hear your surroundings while wearing the headphones.

- The ANC/Transparency LED **(6)** lights up in white when the ANC/Transparency button **(7)** is pressed to switch to Transparency mode.
- During calls, you can use Transparency mode to hear your own voice.

Conversation mode

The conversation mode has an automatic audio volume adjustment to the certain fixed volume level. This means it is ideal for brief use cases like listening to train announcements for example.

- You can access this mode by short pressing the ANC/Transparency button **(7)** twice.

☑ **The ANC/Transparency LED (6) lights up in yellow.**

Using the headphones to make phone calls

The Teufel REAL BLUE NC 3 has a built-in microphone. If the headphones are connected to your smartphone via Bluetooth, they can be used as a headset for making phone calls.

Music playback will be interrupted when there is an incoming call and it will resume when the call ends.

The following functions and features are available:

Function/ feature	Operation
Answer incoming call	Short press the centre of the joystick **(5)**
End call	Press and hold the centre of the joystick **(5)** for 1.5 seconds
Reject incoming call (first or second call)	Press and hold the centre of the joystick **(5)** for 1.5 seconds
Hold active call and accept the incoming second call	Press twice the centre of the joystick **(5)**
Switch between two calls	Press twice the centre of the joystick **(5)**

Using the voice assistant

The Teufel REAL BLUE NC 3 has a built-in microphone.

- If the headphones are connected to your smartphone via Bluetooth, press and hold the centre of the joystick **(5)** for 1.5 seconds to enable the voice assistant (when not making a phone call).

Using the playback functions

During music playback, various playback functions can be used using the joystick **(5)**.

The following functions and features are available:

Function/ feature	Operation
Mute/Unmute	Short press the centre of the joystick **(5)**
Increase volume	Press the joystick **(5)** upwards
Reduce volume	Press the joystick **(5)** down
Resume/pause playback	Short press the centre of the joystick **(5)**
Skip to the next track	Press the joystick **(5)** to the right
Skip to the previous track	Press the joystick **(5)** to the left

Reset

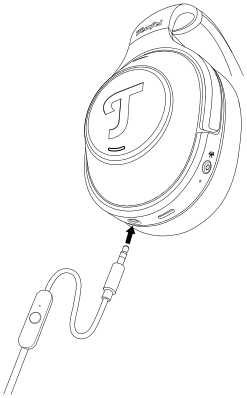
- If you want to reset your headphones to the default settings, press and hold the power button **(1)** and the ANC/Transparency button **(7)** simultaneously for 4 seconds.

☑ **The status LED (2) will alternate flashing in red and blue during the reset and will fade out when the reset is completed.**

Please note that the Bluetooth device list will be cleared and personal settings made in the Teufel Headphones App will be deleted.

Use the audio cable

Connecting the audio cable



1. The enclosed audio cable has two 3.5 mm jack plugs. Insert the notched 3.5 mm jack plug into the AUX In port **(4)** of the headphones. Make sure that the cable remote control is closer to the headphones than to your audio system or smartphone.
2. Connect the other jack plug of the audio cable to the 3.5 mm jack of your audio system or smartphone.
3. To disconnect the audio cable from the headphones, carefully remove the jack plug from the 3.5 mm jack of the AUX In port.

NOTICE

The Bluetooth function will be automatically cancelled as soon as the headphones are connected using the 3.5 mm jack plug.

Using the remote control

The remote control **(8)** on the audio cable has a built-in microphone, a control button for making phone calls and for controlling music playback.

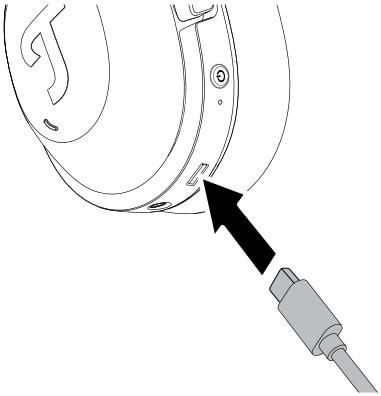
The following functions and features are available:

Function/ feature	Operation
Resume/pause playback	Press the control button once
Skip to the next track	Press the control button twice
Skip to the previous track	Press the control button three times
Answer incoming call	Press the control button once
End call	Press the control button for 1.5 seconds

Reject incoming call	Press the control button for 1.5 seconds
Hold active call and accept the incoming second call	Press the control button twice
Switch between two calls	Press the control button twice

Charging

- ▶ To check the current battery level of your headphones, short press the power button **(1)**.
- ☑ **The status LED (2) lights up and indicates the current battery level for 10 seconds.**
- ☑ **The LED colour lights up in white at 60–100 % and in yellow at 21–59 %. If the status LED (2) flashes red repeatedly, the battery level is at 1-20 % and the headphones need to be recharged. You will also hear a system sound when the battery level is low.**



- ▶ Connect the enclosed USB-C charging cable to the USB-C port **(3)** of the headphones and the other end of the USB-C charging cable to a USB port on the PC or a USB charger.
- ▶ Once the battery is fully charged, unplug the USB-C charging cable from the USB-C port of the headphones. The LED will turn off.

Battery status during charging	Status LED display
1–20 %	Flashing red
21–59 %	Flashing yellow
60–99 %	Flashing white
100 %	Solid on white for 10 seconds

NOTICE

To charge the headphones, 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.

Maintenance and care

Cleaning

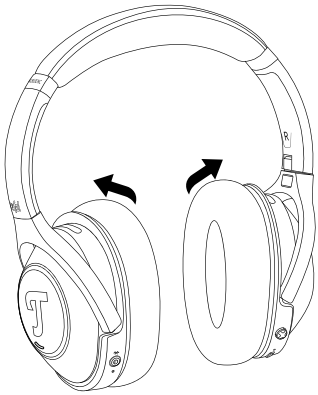
- Clean the ear cushions and the headband with a soft, dry cloth. Never use aggressive cleaning agents, as these can damage the sensitive surfaces.

Handling

- Put the headphones on so that both ears are well covered.
- Adjust the length of the headband to your head size if necessary.

Storage

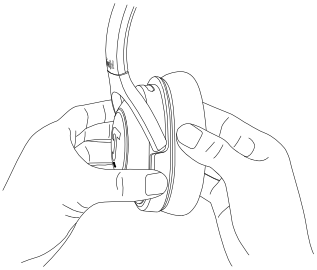
- Fold up the headphones for space-saving storage.



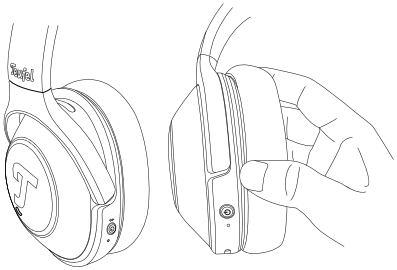
- Use the enclosed bag to store and transport the headphones and accessories.
- Store the headphones in a clean and dry place at room temperature and out of the reach of children.

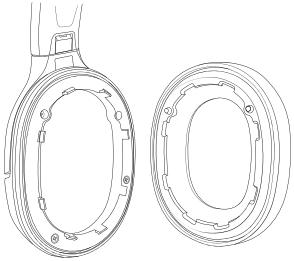
Changing the ear cushions

1. Hold the ear cup firmly with one hand while changing it, as the swivel joint could break if too much pressure is applied.



2. Start at the top of the cushion and then go between the cushion and the headset, for example, with the thumb nail of your thumb. Please be careful not to make any twisting movements, as the protrusion inside the headset could possibly be damaged.





3. When fitting a new cushion, make sure it is in the correct position. The notch in the cushion and the protrusion on the headphones serve as positioning aids. Simply start there and then carefully clip in the complete cushion.

NOTICE

The headphones, batteries and ear cushions must be disposed of at the end of their service life at separate collection points specified by the local authorities. This ensures that WEEE waste is recycled and treated in a way that conserves valuable materials and protects human health and the environment.

Troubleshooting

Common solutions:

1. Check the status of the operating LEDs.
2. Charge the batteries.
3. Increase the volume on your mobile device.
4. Try connecting another mobile device.

If you cannot resolve the issue, refer to the following table for common problems and possible solutions. If you still cannot solve your problem, please contact Teufel customer service.

Issue	Possible solution
The headphones do not power on.	Connect the USB-C charging cable to charge the headphones.
The headphones cannot be connected to a mobile device.	Make sure that your mobile device supports Bluetooth technology. On the mobile device: Toggle the Bluetooth feature on and off. Delete the Teufel REAL BLUE NC 3 headphones from the Bluetooth list on your mobile device and then reconnect. Move your mobile device closer to the headphone and away from any interference or obstructions. Connect another mobile device. Clear the headphone pairing list and reconnect. To delete the device list, press and hold the power button **(1)** for 8 seconds when the headphones are switched off.

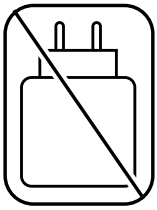
Issue	Possible solution
No sound	Press Play on your mobile device to ensure that an audio track is played. Increase the volume on the mobile device. Move your mobile device closer to the earphones (10 m) and away from interference or obstacles. Use a different music source. Connect another mobile device.
Poor sound quality	Make sure that the headphones sit securely over your ears. Use a different music source. Try connecting another mobile device. Move your mobile device closer to the earphones (10 m) and away from interference or obstacles.

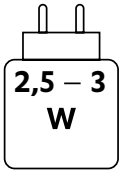
Technical data

Driver size:	40 mm full-range drivers
Max. level during BT playback:	< 100 dB(A) (according to EN-50332)
Sensitivity (analogue in):	WBCV (broadband characteristic voltage) ≥ 75 mV input at 94 dB(A) (EN50332-2)
Acoustic THD:	≤ 5 % at 1 mW (100 Hz-3 kHz)
Frequency range:	10 Hz - 20 kHz
Battery:	Lithium polymer, 3.7 V, 700 mAh
Radio network:	Bluetooth®
Frequency bands in MHz:	2400–2483.5
Transmission power in mW/dBm:	< 10 mW / 10 dBm

For more technical data, please refer to 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 3.0 Watts in order to achieve the maximum charging speed.

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 is available on these websites:

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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