



beyerdynamic

AVENTHO 200

WIRELESS OVER-EAR HEADPHONES

User Manual | Bedienungsanleitung | Mode d'emploi
Instrucciones de uso | Manuale d'uso | Manual de instruções
Gebruiksaanwijzing | Brugsvejledning | Käyttöohje
Bruksanvisning | Bruksanvisning | Návod k obsluze | Kasutusjuhend
Kezelési útmutató | Naudojimo instrukcija | Lietošanas pamācība
Instrukcja obsługi | Instrucțiuni de utilizare | Návod na používanie
取扱説明書 | 사용 설명서 | 使用说明书 | 操作説明

EN DE FR ES IT PT NL DA FI NO SV

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Thank you for purchasing the AVENTHO 200 Wireless Over-Ear headphones from beyerdynamic. Please take some time to read this information carefully before using the AVENTHO 200.

SAFETY INSTRUCTIONS

- ▶ Read these safety instructions carefully before using the AVENTHO 200.
- ▶ Heed all instructions given, especially those regarding the safe use of the AVENTHO 200.
- ▶ Do not use the AVENTHO 200 when it is damaged.

Intended use

- ▶ Only use the AVENTHO 200 as described in this manual.
- ▶ The company beyerdynamic GmbH & Co. KG accepts no liability for damage to the AVENTHO 200 or injury to persons caused by careless, improper or incorrect use of the AVENTHO 200, or by use for purposes not specified by the manufacturer.
- ▶ The company beyerdynamic GmbH & Co. KG is not liable for damage to USB devices that do not comply with the USB specifications.
- ▶ The company beyerdynamic GmbH & Co. KG is not liable for damage resulting from connection interruptions due to batteries being empty or too old, or due to exceeding the Bluetooth® transmission range.
- ▶ Please also observe the relevant country-specific regulations before using the product.

Adjusting the volume



High volume levels over longer listening periods can permanently damage your hearing.

- ▶ Before using the AVENTHO 200, set the volume to minimum.
- ▶ Only increase the volume after putting on the AVENTHO 200.
- ▶ Do not use the AVENTHO 200 at high volume over a long period of time.
- ▶ When listening and speaking normally using AVENTHO 200, your own voice should still be perceptible.
- ▶ In case of tinnitus, reduce the volume. If necessary, consult a doctor.
- ▶ We would like to point out that consistent high volume levels and longer listening periods can damage your hearing. Damage to hearing is irreversible. Always ensure an adequate volume level. It is advisable to keep listening periods as short as possible at high volume levels.

Reducing perception of ambient noise

The AVENTHO 200 headphones drastically reduce the perception of ambient noise. Using the AVENTHO 200 in road traffic can be potentially dangerous. The user's hearing must not be impaired to the extent that it causes road safety risks.

- ▶ Do not use the AVENTHO 200 within the action area of potentially dangerous machines and tools.
- ▶ Avoid using the AVENTHO 200 in situations where hearing must not be impaired — particularly in road traffic, when crossing a level crossing or on a construction site.

General maintenance instructions

- ▶ Clean all parts of the AVENTHO 200 with a soft cloth moistened with water. Make sure that no liquid gets into the housing or the transducer.
- ▶ Do not use cleaning agents containing solvents, alcohol or acids, as these can damage the surface.

Risk of swallowing

- ▶ Keep small parts, such as product, packaging and accessories, away from children and pets. They constitute a choking hazard if swallowed!

Power and connecting cable

- ▶ Only use the cable supplied by us for both charging and connecting to a laptop.

Using the battery

Danger from heat, water and mechanical stress

Excessive heat, water and mechanical stress, may cause explosion, heat, fire, smoke or fumes. Injuries and irreversible damage to the battery may result.

- ▶ Do not expose the battery to excessive heat, fires or extremely low air pressure. There is a risk of explosion, fire, smoke or gas.
- ▶ Do not subject the battery to mechanical stress such as crushing. This may lead to an irreversible damage to the battery, explosion or injuries.
- ▶ Only use a USB 2.0/3.0 standard-compliant 5 V power adapter to charge the battery via the integrated USB type C socket.

Environmental conditions

- ▶ Do not expose the AVENTHO 200 to rain, snow, liquids or moisture.

ABOUT THIS MANUAL

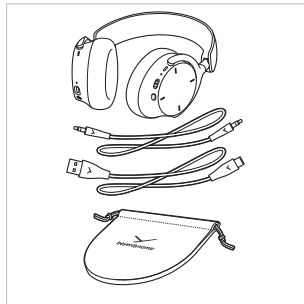
These instructions describe the most important functions of the product.

The information in these instructions refers to the standard settings of the software. A newer version may be available.

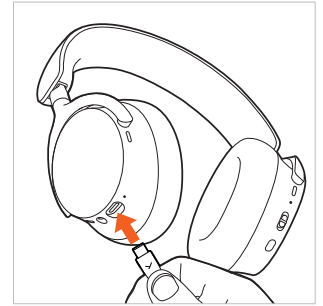
- ▶ Information on the software update can be found in the “beyerdynamic App” chapter.

BOX CONTENTS

- ▶ AVENTHO 200 headphone
- ▶ USB-A to USB-C charging cable
- ▶ Mini jack cable
- ▶ Soft bag
- ▶ Quick start guide
- ▶ Compliance booklet



- ▶ Connect the AVENTHO 200 with the USB charging cable to a USB-compliant voltage carrying USB connection (e.g. USB power supply unit).
- ▶ The status LED indicates the charging status.

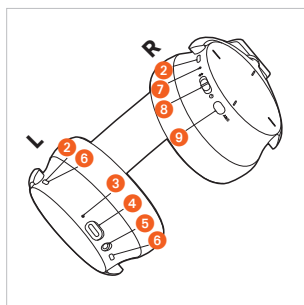
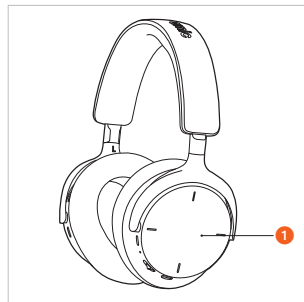


Remarks on the life of Li-ion batteries

- ▶ When fully charged, disconnect the USB cable from the charger and the product.
- ▶ **CAUTION!** High temperatures, especially with a high charge level, can cause irreversible damage.
- ▶ If the battery is not used or is stored for extended periods of time, it is recommended to charge it to approx. 50% and store it at no more than 20 °C.
- ▶ Switch off the AVENTHO 200 after use.

OPERATING ELEMENTS

- 1 Touch pad
- 2 Microphones (ANC)
- 3 Charging LED
- 4 USB port
- 5 Jack connection, 3.5 mm
- 6 Microphones (Voice)
- 7 Status LED
- 8 On/off and Bluetooth® slide switch
- 9 ANC button



Displaying the battery charge level

The charge level of the AVENTHO 200 is displayed by the charging LED.

Charge level	Display charging LED
0 to 30 %	Flashes red
31 to 70 %	Flashes yellow
71 to 99 %	Flashes green
100 % (battery fully charged)	Illuminates green

CHARGING THE BATTERY

Before using the AVENTHO 200 for the first time, we recommend that you fully charge the battery in the headphone. Please only use the USB cable supplied for charging.

DOWNLOAD BEYERDYNAMIC APP

The beyerdynamic app gives you a customised control of your AVENTHO 200.

Before using your AVENTHO 200 for the first time:

- ▶ Download the beyerdynamic app from the App Store (for iOS devices) or Google Play (for Android devices).



- ▶ With the beyerdynamic app you can carry out customised operation settings and software updates.
- ▶ These settings are saved to your AVENTHO 200, so you can enjoy them with any playback device connected to your AVENTHO 200.

COMPATIBILITY WITH PLAYBACK DEVICES

AVENTHO 200 is compatible with Bluetooth® devices that support the following profiles:

- A2DP (for audio transmission)
- HFP/HSP (for phone operation and voice assistant)
- AVRCP (for control signal transmission)

SUPPORTED AUDIO CODECS

Within the A2DP profile, AVENTHO 200 supports the audio codecs SBC, AAC, aptX Adaptive and aptX Lossless.

Only codecs that are available in the playback device can be used for audio transmission.

The playback device and AVENTHO 200 automatically agree on the best available codec in the following order:

1. SBC
2. AAC
3. aptX Adaptive
4. aptX Lossless

Most playback devices do not indicate which codec is actively in use.

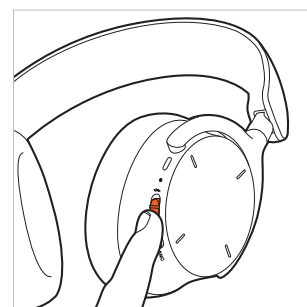
OPERATION

You can operate the AVENTHO 200 via the touch pad by lightly tapping and swiping with your finger.

We recommend that you only ever operate the touch pad with one finger to avoid malfunctions.

Switching on/off

- ▶ **Switching on**
Slide the on/off switch to the centre position. The status LED lights up red for 2 seconds and then goes out. The current battery status is announced.
- ▶ **Switching off**
Slide the on/off switch downwards. The status LED lights up red for 2 seconds and then goes out.



If you are using the AVENTHO 200 with a cable, you must also switch it on.

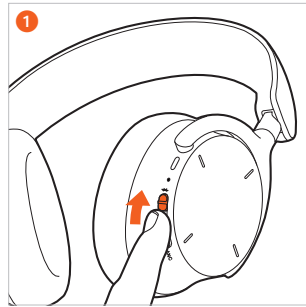
Connect to a device via Bluetooth®

Before you can use the AVENTHO 200, you must connect it to a mobile phone or other Bluetooth®-enabled device. The connection procedure may differ between the various devices.

- ▶ Please refer to the operating instructions of the device to which you wish to connect the AVENTHO 200.

Pairing

- Slide the on/off switch of the **switched on** AVENTHO 200 upwards to the Bluetooth® symbol and hold it for one second. The status LED flashes blue and red alternately.



- Select "AVENTHO 200" from the pairing list of the playback device.



Multi-point operation

The AVENTHO 200 can be paired with up to eight devices via Bluetooth®. An active connection is possible with a maximum of two devices at the same time. Music playback and phone operation is only possible with one device at a time. Phone operation has priority over music playback, i.e. music playback is interrupted when a call is received.

The following priority list applies to the use of playback devices (PD):

Priority	Profile	Playback devices (PD)
1	HFP (phone operation)	PD 1 (device used first)
2	HFP (phone operation)	PD 2 (device used second)
3	A2DP (playback of music)	PD 1 (device used first)
4	A2DP (playback of music)	PD 2 (device used second)

Setting up multi-point

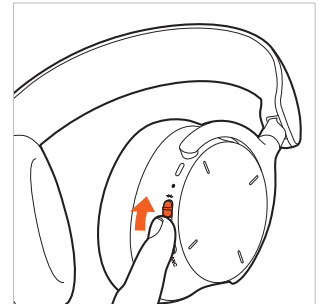
- ▶ Connect the AVENTHO 200 to the first device (see "Pairing").
- ▶ Deactivate the Bluetooth® connection on the first device.
- ▶ Slide the on/off switch **7** upwards and hold it for one second to start the connection mode (status LED **6** flashes slowly alternately blue and red).
- ▶ Connect the AVENTHO 200 to the second device (see "Pairing").
- ▶ Reactivate the Bluetooth® connection of the first device, which automatically connects to the AVENTHO 200.
- ▶ When both devices are paired with the AVENTHO 200, the AVENTHO 200 automatically connects to both devices each time it is switched on.

Using multi-point

Media playback active / accept call	Briefly tap the touch pad twice (●●)
Hang up / start media playback again	Briefly tap the touch pad twice (●●)

Delete pairing list

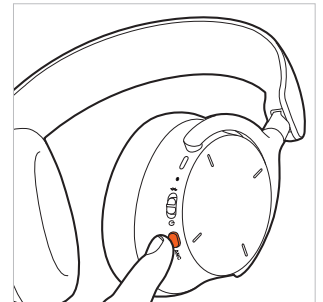
- ▶ Slide the on/off switch of the **switched on** AVENTHO 200 upwards and hold it for 10 seconds, until the status LED flashes alternately red and blue.



Switch between noise cancellation (ANC) and transparency mode

You can use the ANC button to switch between active noise cancellation (ANC), transparency mode and OFF mode. The AVENTHO 200 is supplied in OFF mode.

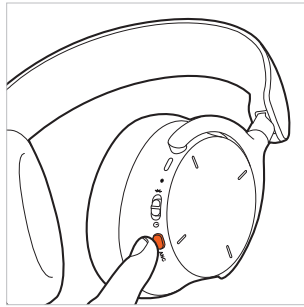
- ▶ If you always press the ANC button only **once**, ANC mode, Transparency mode and ANC OFF mode again are activated in succession.
- ▶ If you always press the ANC button **twice**, Transparency mode, ANC mode, and then ANC OFF mode are activated in succession.



You can make settings for noise cancellation (ANC) and transparency mode via the beyerdynamic app.

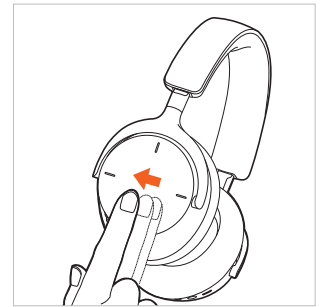
Sidetone on/off

- ▶ Press the ANC button for 2 seconds (■) to switch the sidetone on or off.



Previous track

- ▶ Swipe **backwards** (←) to play the **previous** track.*



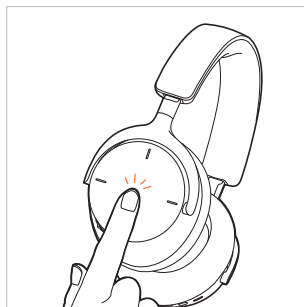
*Function depends on the streaming service or media player used

Playing media

Please note that the functions described below depend on the player and player software and may not be available. Please operate the touch pad with one finger only to avoid malfunctions.

Start / stop playback

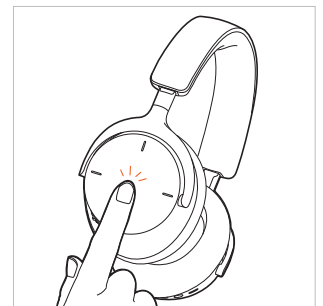
- ▶ Tap twice (●●) to start or stop playback.



Thanks to a sensor integrated in the housing, playback stops automatically when you put the AVENTHO 200 down and starts automatically when you put it back on.

Switch on the voice assistant

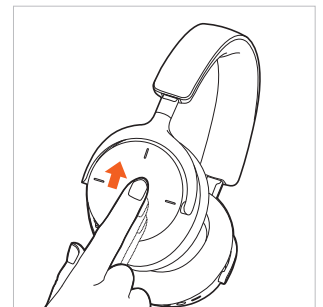
- ▶ Tap and hold once (■) to activate the voice assistant installed on the smartphone.



Adjusting the volume

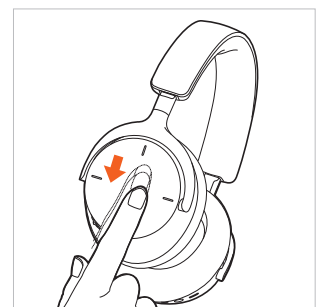
Increase the volume

- ▶ Swipe **upwards** to **increase** the volume. If you swipe upwards and hold, the volume is gradually increased to the maximum.



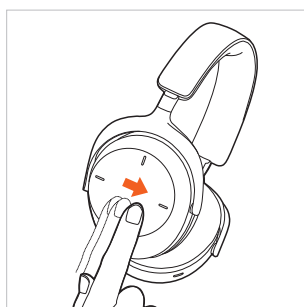
Decrease the volume

- ▶ Swipe **downwards** to **decrease** the volume. If you swipe down and hold, the volume is gradually reduced to the minimum.



Next track

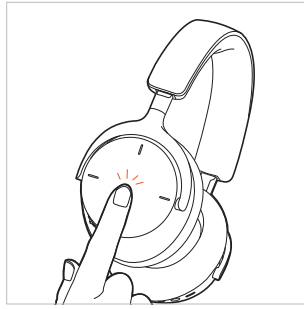
- ▶ Swipe **forwards** (→) to play the **next** track.*



Telephone

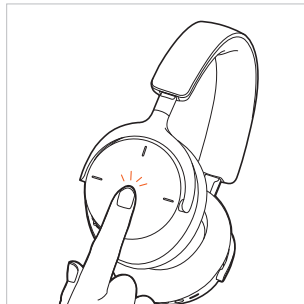
Accept / end / cancel call

- ▶ Tap twice (●●) to **accept** an incoming or **end** an active call or **cancel** an outgoing call.
- ▶ Tap twice (●●) to **accept** a second incoming call and **end** the first active call at the same time.



Reject call

- ▶ Tap and hold once (■) to **reject** the incoming call.



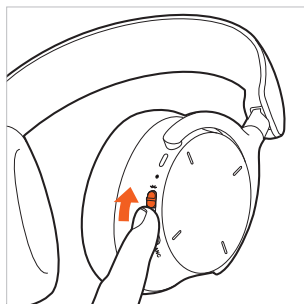
No call active	Operation
Accept incoming call	▶ Tap twice (●●)
Reject incoming call	▶ Tap and hold once (■)
End active call	▶ Tap twice (●●)
Cancel outgoing call	▶ Tap twice (●●)

Call already active	Operation
Accept second incoming call and end active call	▶ Tap twice (●●)

Reset to factory settings

When resetting to factory settings, all personal data is deleted!

- ▶ Slide the on/off switch of the **switched on** AVENTHO 200 quickly 5 times upwards (●●●●●) until the status LED flashes purple.



Overview of the operating functions

If not stated otherwise, the functions listed apply to a **switched-on** headphone.

Function	Operation on headphone
Switch on	▶ Slide the on/off switch to the centre position.
Switch off	▶ Slide the on/off switch downwards.
Pairing mode	▶ Slide the on/off switch upwards and hold it for 1 second (●).
Delete pairing list	▶ Slide the on/off switch upwards and hold it for 10 seconds (■■■■) until the status LED alternately flashes red and blue.
Restoring the factory settings	▶ Slide the on/off switch quickly 5 times upwards (●●●●●).
Check battery status	▶ Slide the on/off switch to the centre position; the battery capacity is announced.
Activate the transparency mode	▶ Depending on the mode. press the ANC button once (●) or twice (●●).
Activate the ANC mode	▶ Depending on the mode, press the ANC button once (●) or twice (●●).
Sidetone on/off	▶ Press the ANC button for 2 seconds (■■),
Start / pause	▶ Tap the touch pad twice (●●).
Increase volume	▶ Swipe upwards on the touch pad.
Decrease volume	▶ Swipe downwards on the touch pad.
Next track	▶ Swipe forwards on the touch pad.
Previous track	▶ Swipe backwards on the touch pad.
Accept / end call	▶ Briefly tap the touch pad twice (●●).
Reject call	▶ Tap and hold the touch pad once (■).
Cancel outgoing call	▶ Briefly tap the touch pad twice (●●).
Accept second incoming call and end active call	▶ Briefly tap the touch pad twice (●●).
Activate voice assistant	▶ Tap and hold the touch pad once (■).

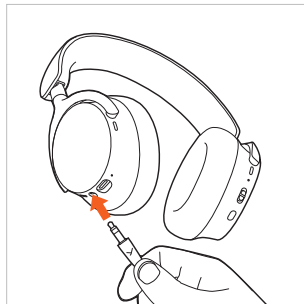
Overview of the LED displays on the headphone

Action	LED display
Low battery warning	▶ LED rapidly flashes red
Charging via USB 0 – 30 %	▶ LED flashes red
Charging via USB 31 – 70%	▶ LED flashes yellow
Charging via USB 71 – 99%	▶ LED flashes green
Charging via USB 100%	▶ LED illuminates green
Bluetooth® pairing recognisable	▶ LED flashes blue and red
Bluetooth® connection active	▶ LED slowly flashes blue with pauses of 7 seconds
Bluetooth® connection lost	▶ LED slowly flashes blue with pauses of 3 seconds
Media playback active	▶ LED slowly flashes blue with pauses of 7 seconds
Delete pairing list	▶ LED flashes red and blue
Restore factory settings	▶ LED flashes purple three times

Audio cable connection

The delivery includes an audio cable with a mini jack plug (3.5 mm) at both ends.

- ▶ Connect one end of the audio cable to the jack socket of the headphone housing, if you would like to use the AVENTHO 200 without Bluetooth®.
- ▶ Alternatively, you can use the USB cable as an audio cable.
- ▶ Switch on the AVENTHO 200. Please note that with this type of application power is consumed via the battery.
- ▶ Control the media playback and volume via the playback device.

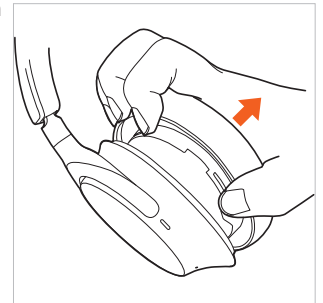


Cleaning

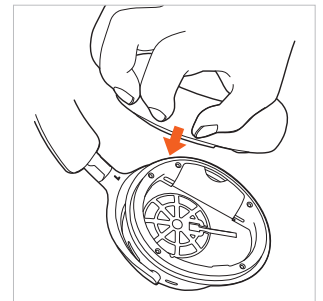
- ▶ For reasons of hygiene, you should occasionally clean the ear and headband pads with a soft cloth moistened with water. Make sure that **no water** gets into the ear cups or transducers.
- ▶ Do **not** use cleaning agents containing solvents, alcohol or acids.
- ▶ **Never** use a **vacuum cleaner** for cleaning the headphone, as this may cause irreparable damage.
- ▶ As ear pads are subject to natural wear and tear, it will be necessary to replace them from time to time. You can easily do this yourself.
- ▶ If other components have to be replaced, please contact your local beyerdynamic representative.

Changing ear pads

- ▶ Grab the ear pad between the ear pad and rim of the housing and pull the ear pad from the housing.

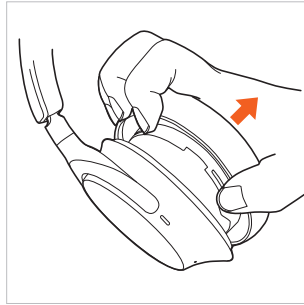


- ▶ Attach the new ear pad to the housing and press it firmly until it clicks into place.

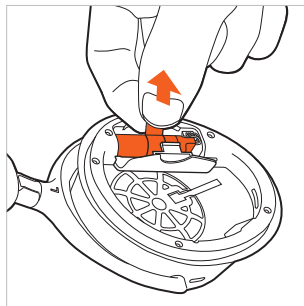


Battery change

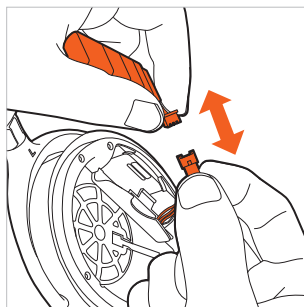
- ▶ Grab between the ear pad and the rim of the housing of the **left** housing shell and remove the ear pad.



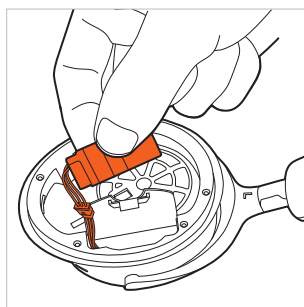
- ▶ Open the battery compartment and pull the battery carefully out of the compartment using the strap.



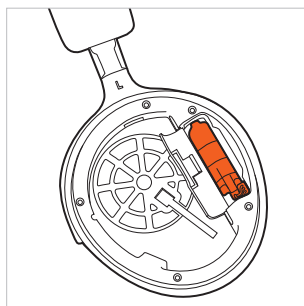
- ▶ Disconnect the plug connection. Only pull on the plugs, not on the cables.



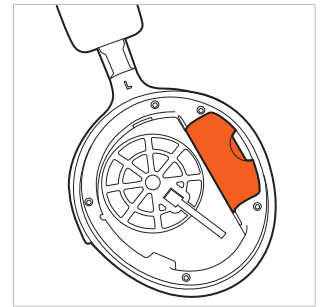
- ▶ Connect the new battery (the plug has a reverse polarity protection).



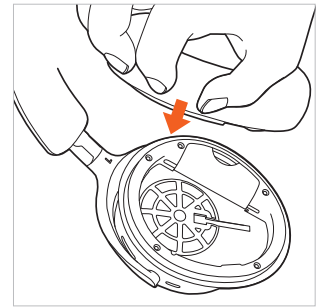
- ▶ Place the battery in the battery compartment as illustrated.



- ▶ Close the battery compartment.



- ▶ Put the ear pad onto the housing again and press it firmly into place.



TROUBLESHOOTING

Problem	Cause	Solution
AVENTHO 200 cannot be switched on	▶ Battery is empty or almost empty.	▶ Charge the battery.
No audio output	▶ No Bluetooth® connection	▶ Pair AVENTHO 200 with the playback device.
AVENTHO 200 does not appear among the available Bluetooth® devices on the playback device	<ul style="list-style-type: none"> ▶ AVENTHO 200 is turned off. ▶ AVENTHO 200 is not in the pairing mode. ▶ There exists a Bluetooth® connection to another playback device already. 	<ul style="list-style-type: none"> ▶ Turn on AVENTHO 200. ▶ Put AVENTHO 200 into the pairing mode. ▶ Disconnect the Bluetooth® connection to the other playback device and connect AVENTHO 200 to the desired device.
Playback volume is too low, despite the volume of AVENTHO 200 is set to maximum	▶ The received audio signal is too low.	▶ Increase the playback volume on the playback device to maximum.
The sound is sharp and the bass response is too low	▶ The sealing of the ear pads is not sufficient.	▶ Adjust the headband so that the ear pads seal as tightly as possible.
The wireless range is too low or the connection is disrupted	▶ There are interferences with other devices.	<ul style="list-style-type: none"> ▶ Move away from WLAN routers and microwave ovens. ▶ Make sure that your body is not between the playback device and AVENTHO 200. ▶ Use a different codec on the playback device.

HELP WITH PROBLEMS / FAQ

Answers to more most common problems and questions can be found on the internet at:

<https://www.beyerdynamic.com/faq>

PRODUCT REGISTRATION

Using the serial number, you can register your AVENTHO 200 on the internet at:

<https://www.beyerdynamic.com/service>

DISPOSAL

- ▶ This symbol on the product, in the operating instructions or on the packaging means that electrical and electronic devices must be disposed of separately from household waste at the end of their life cycle.
- ▶ Always dispose of used equipment in accordance with applicable regulations.



For sale within the EU only:

- ▶ For the return of old equipment, there are free collection points or a free return to beyerdynamic, as well as other acceptance points for reuse. The addresses are available at the local city or municipal administration.
- ▶ Dealers for electronic equipment are generally obliged to take back waste electrical/electronic equipment free of charge. This obligation also applies to sales via remote communication.
- ▶ For further information, please contact the local authorities or the dealer from whom the product was purchased

Battery disposal

- ▶ Dispose of batteries separately from the product after use in accordance with the applicable regulations. They must not be disposed of with household waste. Returning batteries is free of charge.
- ▶ Discharge the batteries before disposal.

EU DECLARATION OF CONFORMITY

The company beyerdynamic GmbH & Co. KG hereby declares that this radio transmission device complies with the EU Directive 2014/53/EU and the EU Directive 2011/65/EU.

- ▶ You will find the full text of the EU declaration of conformity on the internet at:
<https://www.beyerdynamic.com/cod>

TECHNICAL SPECIFICATIONS

Bluetooth® frequency range	2,400 – 2,483.5 MHz
Transmitting power	≤ 10 dBm (Bluetooth®)
Charging temperature range	+10 to +40 °C
Operating temperature range	-10 to +50 °C
Battery type: Lithium-ion rechargeable battery	3.7 Vdc, 1110 mAh

- ▶ More detailed information on the technical specifications can be found on the internet at:
<https://www.beyerdynamic.com>

WARRANTY CONDITIONS

The company beyerdynamic GmbH & Co. KG provides a limited warranty for the original beyerdynamic product you have purchased.

- ▶ You can find detailed information about beyerdynamic's warranty conditions on the internet at:
<https://www.beyerdynamic.com/service/warranty>

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