beyerdynamic

AVENTHO 300

WIRELESS OVER-EAR HEADPHONES

User Manual | Bedienungsanleitung | Mode d'emploi
Instrucciones de uso | Manuale d'uso | Manual de instruções
Gebruiksaanwijzing | Brugsvejledning | Käyttöohje
Bruksanvisning | Bruksanvisning | Kasutusjuhend
Naudojimo instrukcija | Lietošanas pamācība | Instrukcja obsługi
| 取扱説明書 | 사용 설명서 | 使用说明书 | 操作說明

EN DE FR ES IT PT NL DA FI

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beyerdynamic GmbH & Co. KG
Theresienstraße 8
74072 Heilbronn
Germany
www.beyerdynamic.com

Thank you for purchasing the AVENTHO 300 Wireless Over-Ear headphones from beyerdynamic.
Please take some time to read this information carefully before using the AVENTHO 300.

SAFETY INSTRUCTIONS

- Read these safety instructions carefully before using the AVENTHO 300.
- Heed all instructions given, especially those regarding the safe use of the AVENTHO 300.
- Do not use the AVENTHO 300 when it is damaged.

Intended use

- Only use the AVENTHO 300 as described in this manual.
- The company beyerdynamic GmbH & Co. KG accepts no liability for damage to the AVENTHO 300 or injury to persons caused by careless, improper or incorrect use of the AVENTHO 300, 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 300, set the volume to minimum.
- Only increase the volume after putting on the AVENTHO 300.
- Do not use the AVENTHO 300 at high volume over a long period of time.
- When listening and speaking normally using AVENTHO 300, 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 300 headphones drastically reduce the perception of ambient noise. Using the AVENTHO 300 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 300 within the action area of potentially dangerous machines and tools.
- Avoid using the AVENTHO 300 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 300 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, 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 batteries

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.
- Do not open the housing or disassemble/replace the battery.
- 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 300 to rain, snow, liquids or moisture.

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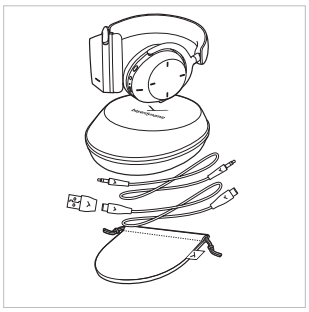
ABOUT THIS MANUAL

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

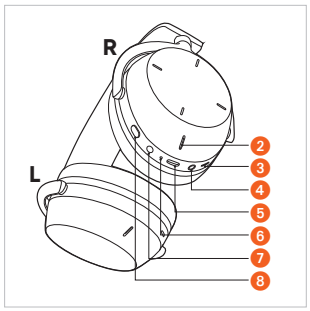
- AVENTHO 300 headphone
- USB-C to USB-C charging cable
- USB-A to USB-C adapter
- Mini jack cable
- Drawstring bag
- Hard case
- Quick start guide and compliance booklet



OPERATING ELEMENTS

1. Touch pad
2. Microphone (L + R)
3. Microphone
4. Jack connection, 3.5 mm
5. USB-C port
6. Status LED
7. On/off button
8. ANC button

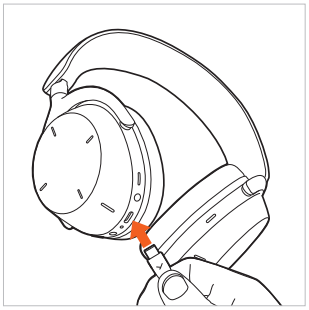




CHARGING THE BATTERY

Before using the AVENTHO 300 for the first time, we recommend that you fully charge the batteries integrated in the headphone. Please only use the USB cable supplied for charging.

- Connect the AVENTHO 300 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 300 after use.

Displaying the battery charge level

The charge level of the AVENTHO 300 is displayed by the status LED.

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

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DOWNLOAD BEYERDYNAMIC APP

The beyerdynamic app gives you a more customised control of your AVENTHO 300.

Before using your AVENTHO 300 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 300, so you can enjoy with any playback device connected to your AVENTHO 300.
- Please note that additional functions such as Dolby Atmos®, Dolby Head Tracking ™ are only available via the beyerdynamic app.

COMPATIBILITY WITH PLAYBACK DEVICES

AVENTHO 300 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 300 supports the audio codecs SBC, AAC, aptX Adaptive, aptX Lossless and LC3.

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

The playback device and AVENTHO 300 automatically agree on the best available codec in the following order:

1. SBC
2. AAC
3. aptX Adaptive
4. aptX Lossless
5. LC3

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

OPERATION

You can operate the AVENTHO 300 via the control surface by lightly tapping and swiping with your finger. We recommend that you only ever operate the control surface with one finger to avoid malfunctions.

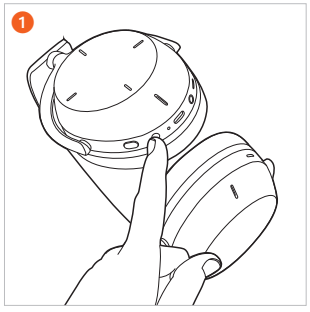
Connect to a device via Bluetooth®

Before you can use the AVENTHO 300, 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 300.

Pairing

1. With the AVENTHO 300 **switched off**, press and hold the on/off button for 6 seconds (▬) until the status LED flashes blue and red alternately.



2. Select “beyerdynamic AVENTHO 300” from the pairing list of the playback device.



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Multi-point operation

The AVENTHO 300 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

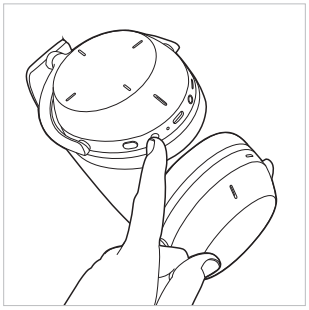
- Connect the AVENTHO 300 to the first device (see “Pairing”).
- Deactivate the Bluetooth® connection on the first device.
- Switch off the AVENTHO 300.
- Press the on/off button 7 for 6 seconds to start the connection mode (status LED 6 flashes slowly alternately blue and red).
- Connect the AVENTHO 300 to the second device (see “Pairing”).
- Reactivate the Bluetooth® connection of the first device, which automatically connects to the AVENTHO 300.
- When both devices are paired with the AVENTHO 300, the AVENTHO 300 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

- Press and hold the on/off button of the **switched off** AVENTHO 300 for approx. 8 seconds, until the status LED flashes yellow.



Switching the headphone on and off

- **Switching on**
  After you have paired the AVENTHO 300 or use it with a cable, press and hold the on/off button for approx. 2 seconds (▬).
  The status LED lights up once and then goes out. It displays the respective charge level.



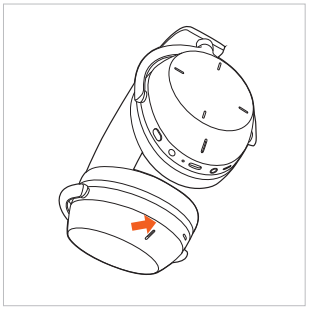
- **Switching off**
  Press and hold the on/off button for approx. 6 seconds (▬).

If you are using the AVENTHO 300 with cable, you must also switch it on to be able to use all available functions.

Switch between noise cancellation (ANC) and transparency mode

You can use the ANC button to switch between noise cancellation (ANC), transparency mode and OFF mode. The AVENTHO 300 is supplied in OFF mode.

- If you press the ANC button **once** each time, the **transparency mode**, the **ANC mode** and then the **OFF mode** again is activated one after the other.
- If you press the ANC button **twice** each time, the **ANC mode**, the **transparency mode** and then the **OFF mode** is activated again.



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

If the transparency mode is only to be activated temporarily when wearing the AVENTHO 300, place the palm of your hand on the right side of the touch pad.

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 / pause playback

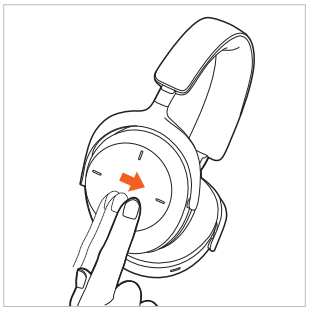
- Tap the touch pad twice (●●) to start or stop playback.



Thanks to a sensor integrated in the housing, playback stops automatically when you put the AVENTHO 300 down and starts automatically when you put it back on.

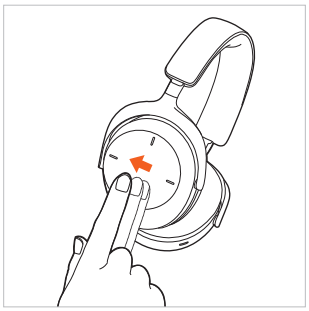
Next track / fast forward

- Swipe **forwards** → to play the **next** track.
  Swipe **forwards** and **hold** for at least 1 second →| to **fast forward**.*



Previous track / rewind

- Swipe **backwards** ← to return to play the **previous** track.
  Swipe **backwards** and **hold** for at least 1 second |← to **rewind**.*



*Function depends on the streaming service or media player used

Switch on the voice assistant

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



Adjusting the volume

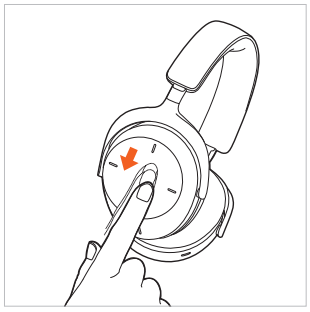
Increase the volume

- 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.



Telephone

Accept / end call

- Tap twice (●●) to **accept** the incoming or **end** the active call.



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Reject call

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



Switch between two callers

- Tap and hold once (▬) to **switch** between **two** callers.



No call active	Operation
Accept incoming call	▸ Tap twice (● ●)
Reject incoming call	▸ Tap and hold once (▬)
End active call	▸ Tap twice (● ●)

Call already active	Operation
Accept second incoming call and hold active call	▸ Tap and hold once (▬)
Reject second incoming call	▸ Tap twice (● ●)
Switch between two calls	▸ Tap and hold once (▬)
End active call and switch to held call	▸ Tap twice (● ●)

Activate / deactivate voice prompts

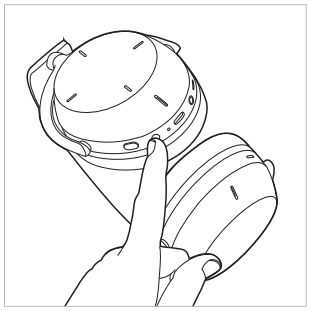
Switch on the AVENTHO 300. Then carry out the following steps **within two seconds**:

- Press and hold the on/off button.
- Tap the touch pad twice (● ●).
- Release the on/off button.

Reset to factory settings

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

- Press and hold the on/off button of the **switched-off** AVENTHO 300 for approx. 20 seconds (▬▬) until the status LED flashes yellow.



Overview of the operating functions

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

Function	Operation on headphone
Switch on (the function is only available if AVENTHO 300 has already been paired or is being used with the USB or jack cable)	▸ Press and hold the on/off button for approx. 2 seconds (▬).
Switch off (the function is only available if AVENTHO 300 has already been paired or is being used with the USB or jack cable)	▸ Press and hold the on/off button for approx. 6 seconds (▬).
Pairing mode	▸ Switch off the headphone and press and hold the on/off button for approx. 6 seconds (▬).
Delete pairing list	▸ Switch off the headphone and press and hold the on/off button for approx. 8 seconds (▬▬).
Restoring the factory settings	▸ Switch off the headphone and press and hold the on/off button for approx. 20 seconds (▬▬).
Check battery status	▸ Press the on/off button once (●).
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 (● ●).
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.
Fast forward	▶ Swipe forwards on the touch pad and hold for at least 1 second.
Rewind	▶ Swipe backwards on the touch pad and hold for at least 1 second.
Accept / end call	▶ Briefly tap the touch pad twice (●●).
Reject call	▶ Tap and hold the touch pad once (▬).
Switch between two callers	▶ Tap and hold the touch pad once (▬).
Activate voice assistant	▶ Tap and hold the touch pad once (▬).
Activate transparency mode temporarily	▶ Place the palm of your hand on the right touch pad.

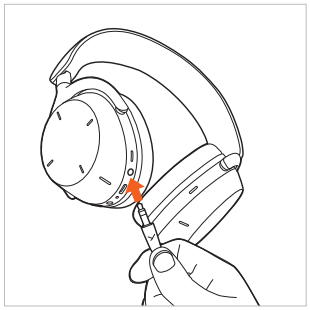
Overview of the LED displays on the headphone

Action	LED display
Low battery warning	▶ LED flashes red rapidly
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
Switch on with battery status 5 – 30 %	▶ LED lights up red once
Switch on with battery status 31 – 70 %	▶ LED lights up yellow once
Switch on with battery status 71 – 100 %	▶ LED lights up green once
Bluetooth® pairing recognisable	▶ LED flashes blue and red
Bluetooth® connection active	▶ LED flashes blue slowly with pauses of 7 seconds
Bluetooth® connection lost	▶ LED flashes blue slowly with pauses of 3 seconds
Media playback active	▶ LED flashes slowly blue with pauses of 7 seconds
Incoming call	▶ LED flashes rapidly blue with pauses of 1 second
Delete pairing list	▶ LED flashes yellow three times
Restore factory settings	▶ LED flashes yellow 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 300 without Bluetooth®.
- ▶ Alternatively, you can use the USB cable as an audio cable.
- ▶ Switch on the AVENTHO 300. 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**.
- ▶ **Never** use a **vacuum cleaner** for cleaning the headphone, as this may cause irreparable damage.
- ▶ As ear and headband 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 the ear pads

- ▶ Remove the ear pad from the housing by grabbing it at the lower end from the inside under the ear pad and pulling it downwards from the fastening ring of the housing.

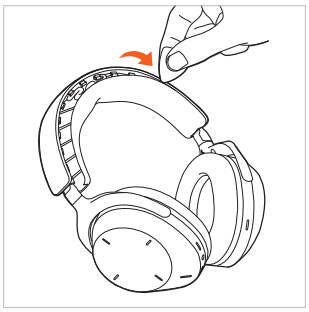


- ▶ Attach the new ear pad to the housing. The five fastening noses on the fastening ring of the ear pad must be inserted into the recesses of the housing and click into place.



Changing the headband pad

- Insert a plectrum or similar tool at one end of the headband between the pad and the headband and lift the pad off the headband. When you remove the headband pad, please note that the cable to the ear cups is attached in the centre of the headband pad.



- Attach the cable to the centre of the headband pad before attaching the new pad to the headband.
  The fastening noses of the headband pad must fully click into place on the headband.



TROUBLESHOOTING

Problem	Cause	Solution
AVENTHO 300 cannot be switched on	▸ Battery is empty or almost empty.	▸ Charge the battery.
No audio output	▸ No Bluetooth® connection.	▸ Pair AVENTHO 300 with the playback device.
AVENTHO 300 does not appear among the available Bluetooth® devices on the playback device	▸ AVENTHO 300 is turned off. ▸ AVENTHO 300 is not in the pairing mode. ▸ There exists a Bluetooth® connection to another playback device already.	▸ Turn on AVENTHO 300. ▸ Put AVENTHO 300 into the pairing mode. ▸ Disconnect the Bluetooth® connection to the other playback device and connect AVENTHO 300 to the desired device.
Playback volume is too low, despite the volume of AVENTHO 300 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.	▸ Move away from WLAN routers and microwave ovens. ▸ Make sure that your body is not between the playback device and AVENTHO 300. ▸ 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/aventho300 or
https://www.beyerdynamic.com/faq

PRODUCT REGISTRATION

Using the serial number, you can register your AVENTHO 300 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.

Non-destructive removal of the battery by the end user is not possible with this product. Please contact beyerdynamic or consult independent specialists.

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.

- 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 (Bluetooth®)	≤ 10 dBm
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**

TRADEMARKS

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beyerdynamic GmbH & Co. KG
Theresienstraße 8 · 74072 Heilbronn / Germany
Phone +49 7131 617-300 · E-Mail info@beyerdynamic.com
www.beyerdynamic.com

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