SENNHEISER

BTD 700
Bluetooth® USB adapter

Instruction manual

Use the search function, the navigation (left) or the following links:
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Important safety instructions ⚠

▷ Read this instruction manual carefully and completely before using the product.

▷ Always include this instruction manual when passing the product on to third parties.

▷ Do not use an obviously defective product.

▷ Only use the product in environments where **Bluetooth**® wireless transmission is permitted.

Preventing damage to health and accidents

▷ Do not use the product near water. Do not expose the product to rain or moisture to reduce the risk of fire or electric shock.

▷ Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents. Swallowing and choking hazard.

Preventing damage to the product and malfunctions

▷ Always keep the product dry and do not expose it to extreme temperatures (hairdryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation. The normal operating temperature is from 0°C to 40°C/32°F to 104°F.

▷ If you connect the dongle to a PC/Mac using the USB-A adapter, there is a risk that the protruding dongle and/or the USB socket can be damaged if the dongle is subjected to mechanical stress. Use a USB extension cable to reduce the mechanical stress.

▷ Use only attachments/accessories/spare parts supplied or recommended by Sonova Consumer Hearing.

▷ Clean the product only with a soft, dry cloth.

▷ Use the product with care and store it in a clean, dust-free environment.

Notes on data collection and processing and on firmware updates

This product stores individual settings such as the Bluetooth address of the paired device. This data is required for the operation of the product and is not transferred to Sonova Consumer Hearing GmbH or companies commissioned by Sonova Consumer Hearing GmbH and is not processed.

Using the Sennheiser Dongle Control program, you can update the product's firmware free of charge via an Internet connection.

If the PC/Mac on which the program is installed is connected to the Internet, the following data is automatically transferred to and processed by Sonova Consumer Hearing servers in order to provide and transfer suitable firmware updates: product part number. The data is only used for the purpose of providing and transferring the firmware updates and is not stored permanently. If you do not want this data to be transferred and processed, do not connect to the Internet.

Intended use/Liability

This product is designed for wireless audio communication via Bluetooth wireless technology between a smartphone or a PC/Mac and headphones.

It is considered improper use when the product is used for any application not named in the corresponding product documentation. Sonova Consumer Hearing GmbH is not liable for damages to devices that are not consistent with the interface specifications (USB). Sonova Consumer Hearing GmbH is not liable for damages resulting from the loss of connection due to exceeding the Bluetooth transmission range.
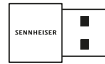
Sonova Consumer Hearing GmbH does not accept liability for damage arising from misuse or improper use of this product and its attachments/accessories.

Before putting the product into operation, please observe the respective country-specific regulations.

Package contents
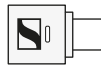
|	
	Bluetooth USB-C dongle
	USB-A adapter
	Quick guide
	Safety guide
	Compliance sheet

Online you can find:

- this detailed instruction manual and additional information (www.sennheiser-hearing.com/download)
- the Sennheiser Dongle Control program to update the dongle firmware (www.sennheiser-hearing.com/download or www.sennheiser-hearing.com/btd-700)
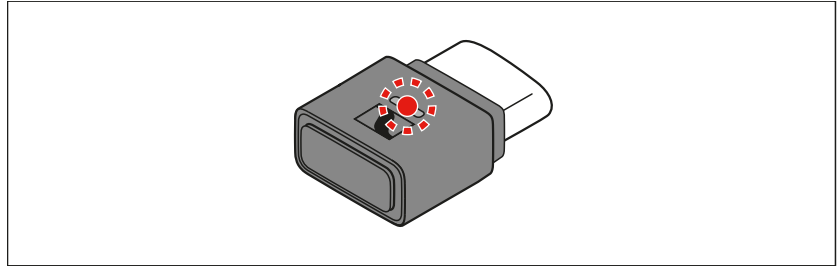
Product overview

Dongle with USB-A adapter
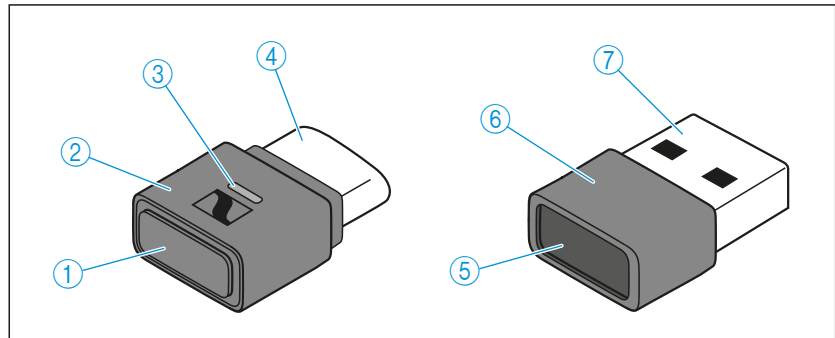
①	Pairing button triggers device functions, e.g. the pairing process
②	USB-C dongle
③	Status LED indicates the operating state of the dongle
④	USB-C connector
⑤	USB-C socket
⑥	USB-A adapter (USB-C to USB-A)
⑦	USB-A connector

Overview of the status LED on the dongle housing

The status LED on the dongle housing indicates the operating state of the dongle:

LED	Operating state of the dongle
flashes red-white	Pairing with headphones is being performed
flashes white 3x	Pairing with headphones was successful
repeatedly flashes white 3x for 20 seconds	Searches for paired head-phones for up to 20 seconds
lights up white and flashes 3x white	Reconnects with paired head-phones
flashes red 3x	Pairing with headphones was not successful
lights up dimly white	Connected via Bluetooth Clas-sic mode
lights up dimly blue	Connected via Bluetooth Low Energy mode
lights up blue	Audio coding via LC3 codec
lights up pink	Audio coding via aptX™ Adap-tive or aptX™ Classic codec
lights up purple	Audio coding via aptX™ Loss-less codec
lights up white	Audio coding via SBC codec
flashes white	Incoming call
flashes pink 3x	Reset to factory default set-tings
off	Disconnected from head-phones or device
lights up red	Mute function is active
lights up amber	Auracast™ Broadcasting mode
lights up green	Gaming mode

Getting started

1. Connecting the dongle to a mobile device or computer (PC/Mac)

The dongle is compatible with mobile devices or PC and Mac. You can either connect the dongle to a USB-C socket or to a USB-A socket using the supplied USB-A adapter.

No driver installation is required to connect to a device. The dongle is automatically recognized as an external sound card.

> **i** The dongle is intended for connections to smartphones or a PC/Mac. It cannot be used with TV or hi-fi devices.

> **i** If you connect the dongle to a mobile device, there is a risk that the protruding dongle and/or the USB socket can be damaged if the dongle is subjected to mechanical stress.
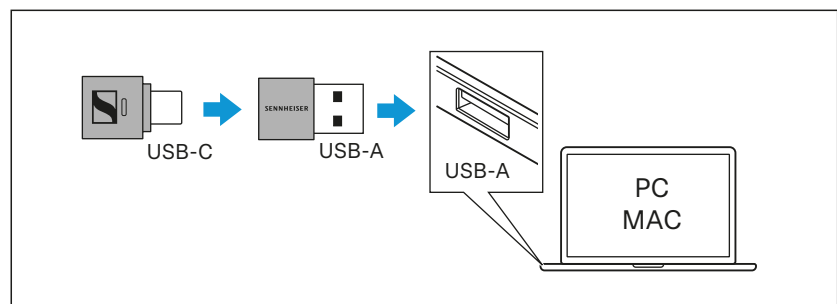>
> Connect the dongle to mobile devices using an extension cable to reduce the mechanical stress

Connecting the dongle to a USB-C socket
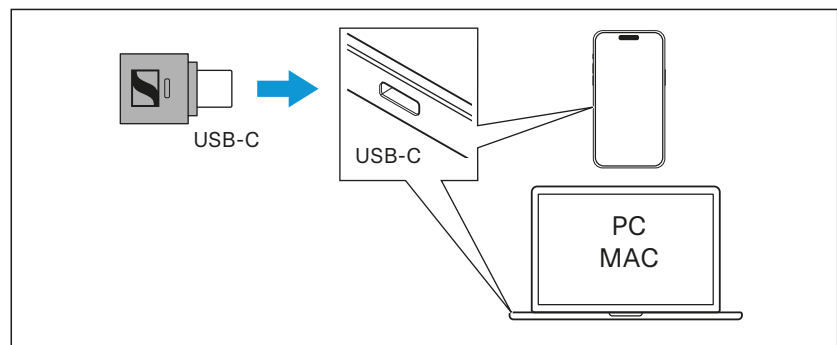
▷ Connect the dongle to a USB-C socket of your mobile device or PC/Mac.

Connecting the dongle to a USB-A socket

▷ Connect the dongle to the supplied USB-A adapter.

▷ Connect the USB-A adapter to a USB-A socket of your PC/Mac.

2. Pairing Bluetooth headphones with the USB dongle

The dongle is compatible with all Bluetooth headphones.

▷ Make sure that the desired Bluetooth headphones are ready for pairing (see the instruction manual of the Bluetooth headphones). After connecting to a mobile device or a PC/Mac, the dongle is automatically in pairing mode and searches for Bluetooth headphones to be paired with.

While the dongle is in pairing mode, the status LED flashes red and white alternately.

▷ If the dongle does not automatically change to pairing mode, start the pairing mode manually. To do this, press the pairing button for 3 seconds.
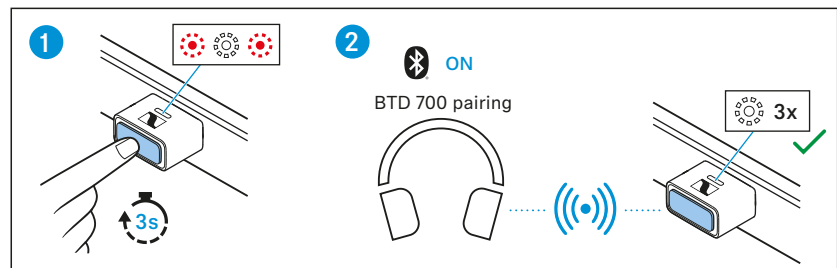
Once paired successfully, the status LED flashes white 3x.

ℹ️ Once the dongle is successfully paired with a pair of Bluetooth headphones for the first time, the dongle will save the connection profile of the Bluetooth headphones in the pairing list. When you reconnect the paired dongle to a mobile device or a PC/Mac, the dongle will automatically try to reconnect to the paired Bluetooth headphones.

Using the dongle

Switching the dongle on and off

The dongle is automatically switched on as soon as you connect it to a mobile device or a PC/Mac.

▷ Connect the dongle to a mobile device or a PC/Mac (see page 7). If the dongle is already paired with a pair of Bluetooth head-phones, the dongle will automatically try to connect to the last paired Bluetooth headphones.

If the dongle is not paired with a pair of Bluetooth headphones, the dongle will automatically be in pairing mode and will search for Bluetooth headphones to pair with.

▷ If you want to switch off the dongle, disconnect it from the USB socket of the mobile device or the PC/Mac.

Pairing the dongle with new Bluetooth headphones

If the dongle is already paired with a pair of Bluetooth headphones and you want to pair the dongle with another pair of Bluetooth head-phones, you have to trigger the pairing mode manually. This will overwrite the last saved pairing profile with the pairing profile of the new Bluetooth headphones.

▷ Connect the dongle to a mobile device or a PC/Mac (see page 7).

▷ Press the pairing button of the dongle for 3 seconds. The dongle switches to pairing mode. The status LED flashes red and white alternatively.
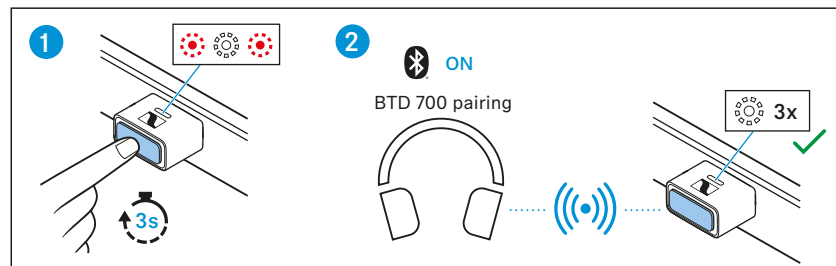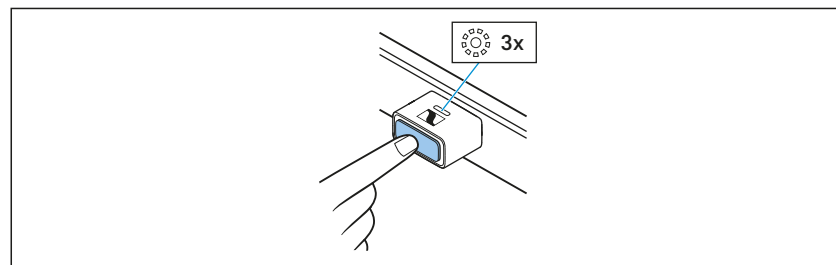

Once paired successfully, the status LED flashes white 3x.

Reconnecting paired Bluetooth headphones with the dongle

If the dongle has lost the connection to the paired Bluetooth head-phones, you can try to re-establish the connection.

▷ Briefly press the dongle's pairing button.

During the connection attempt, the status LED of the dongle flashes white 3x repeatedly. The connection process can take up to 20 seconds.

### Switching between LC3 and Bluetooth Classic mode

During audio streaming, you can switch between LC3 and the best available Bluetooth Classic mode. The following priorities apply in descending order: LC3, aptX™ Adaptive, aptX™ Lossless, aptX™ Classic, SBC.
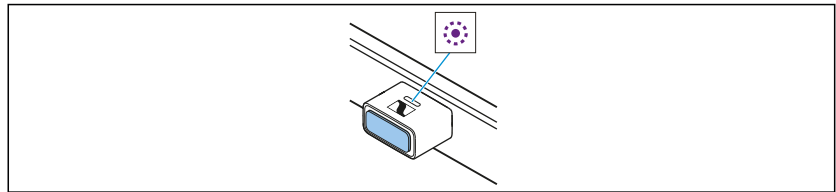
To switch the Bluetooth mode:

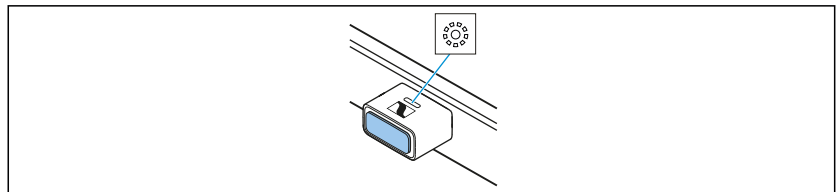▷ Briefly press the pairing button during audio streaming.
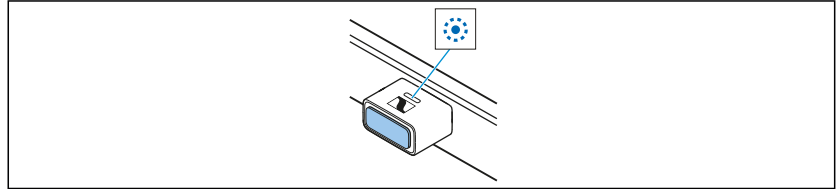
If audio encoding via LC3 codec is active, the status LED lights up blue.
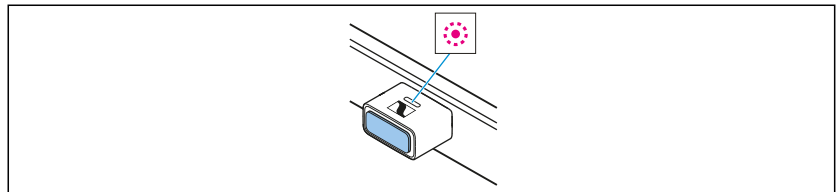
If audio encoding via aptX™ Adaptive or aptX™ Classic codec is active, the status LED lights up pink.

If audio encoding via aptX™ Lossless codec is active, the status LED lights up purple.
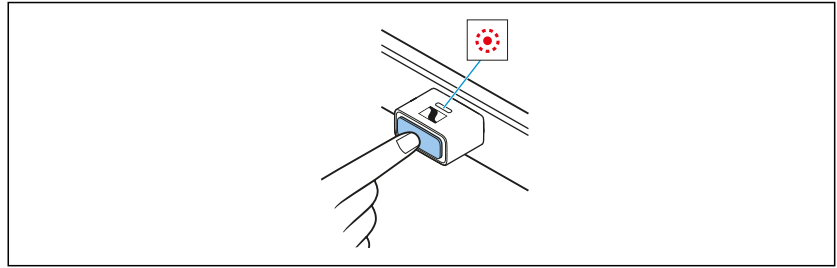

If audio encoding via SBC codec is active, the status LED lights up solid white.
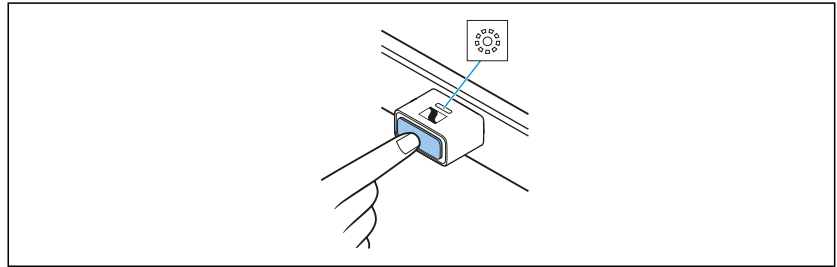
Muting and unmuting during a call

During a call you can mute or unmute yourself.

▷ To mute yourself during a call, briefly press the pairing button.

The status LED lights up red.

▷ To unmute yourself, briefly press the pairing button again.

The status LED lights up white.

Switching to Auracast™ broadcasting mode

Auracast™ technology allows audio data to be output to multiple output devices simultaneously, such as your own headphones and a friend's headphones.

▷ To enter the Auracast™ broadcasting mode, briefly press the pairing button 2x.
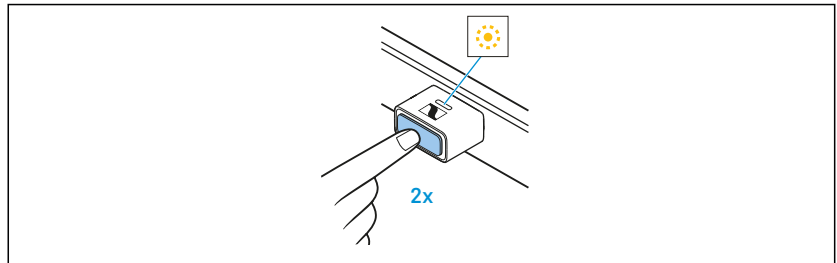
The status LED lights up amber.

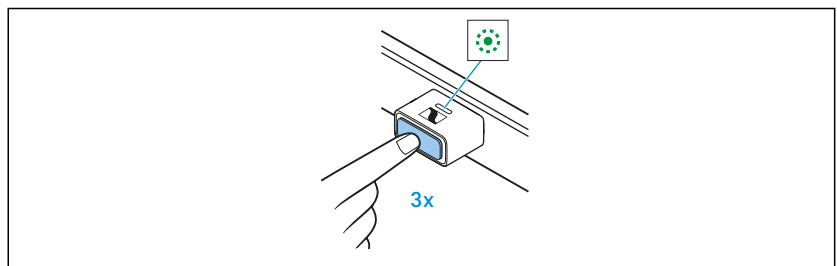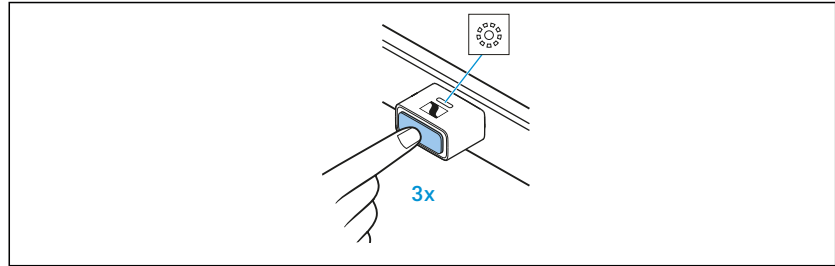▷ To switch back to high-quality streaming mode, briefly press the pairing button 2x again.

Switching to gaming mode

▷ To enter the gaming mode, briefly press the pairing button 3x.

During audio streaming, the status LED lights up green.

During a call, the status LED lights up white.

▷ To switch back to high-quality streaming mode, briefly press the pairing button 3x again.

Switching from Bluetooth Hands Free Profile to (HFP) Advanced Audio Distribution Profile (A2DP)

▷ To switch from Bluetooth HFP to A2DP, briefly press the pairing button 4x.

Information on the Bluetooth wireless connection

The dongle is compliant with Bluetooth 5.4.

If your headphones support one of the following high-resolution audio encoding methods, you can play music in high quality: aptX™ Adaptive (aptX™, aptX™ Lossless). Otherwise your music will be played in normal audio quality (SBC). The status LED of the dongle indicates the audio encoding method used.

When you watch videos and your headphones support aptX™ Low Latency, the audio-image synchronization is automatically optimized. This means that audio (sound) and video (picture) always stay in sync.

The dongle saves the connection profile of the last paired Bluetooth headphones in the pairing list. After connecting to a mobile device or a PC/Mac, the dongle automatically connects to the saved Bluetooth headphones. This way, you can use the dongle and headphones immediately after switch-on, even if you change computers, for example.

The dongle can only save one connection profile. If you pair the dongle with another pair of Bluetooth headphones, the saved connection profile will be overwritten.

Care and maintenance

Cleaning the dongle and the adapter

ATTENTION

Liquids can damage the electronics of the product!

Liquids entering the housing of the product can cause a short-circuit and damage the electronics.

Keep all liquids far away from the product.

Do not use any solvents or cleansing agents.

▷ Clean the dongle and the adapter only with a soft, dry cloth.

Firmware updates

Firmware updates can be downloaded free of charge from the Internet using the Sennheiser Dongle Control program:
www.sennheiser-hearing.com/btd-700 or

www.sennheiser-hearing.com/download

FAQ/If a problem occurs...

If a problem has occurred, proceed in the following order until the problem is solved and you can use the dongle again:

1. Connect the dongle to the Sennheiser Dongle Control program to install the latest firmware (see page 13).

2. Reset the dongle to the factory default settings (see page 15).

3. Check the list of frequently asked questions to see if there is a solution to the problem (see page 14).

4. Contact your Sonova Consumer Hearing partner to solve the problem (see page 14).

Current list of frequently asked questions (FAQ)

Visit the BTD 700 product page at

www.sennheiser-hearing.com/btd-700.

There you will find a current list of frequently asked questions (FAQ) and suggested solutions.

Your question has not been answered or the problem persists?

If a problem occurs that is not listed in the FAQ section or if the problem cannot be solved with the proposed solutions, please contact your Sonova Consumer Hearing partner for assistance.

To find a partner in your country, search at

www.sennheiser-hearing.com/service-support.

Leaving the Bluetooth transmission range

Wireless calling and streaming are only possible in the Bluetooth transmission range of your dongle. The transmission range largely depends on environmental conditions such as wall thickness, wall composition etc. With a free line of sight, the transmission range of the dongle is up to 10 meters.

If you, and therefore the Bluetooth headphones, leave the Bluetooth transmission range of the dongle, the sound quality deteriorates increasingly until the connection breaks down completely. If the dongle loses the connection to your Bluetooth headphones, you can try to re-establish the connection (see page 9).

Resetting the dongle to the factory default settings

If the function of the dongle is disturbed, reset the dongle to the factory default settings. The saved connection profile of the last paired Bluetooth headphones will be deleted from the pairing list.

▷ Press and hold the pairing button of the dongle for 10 seconds.
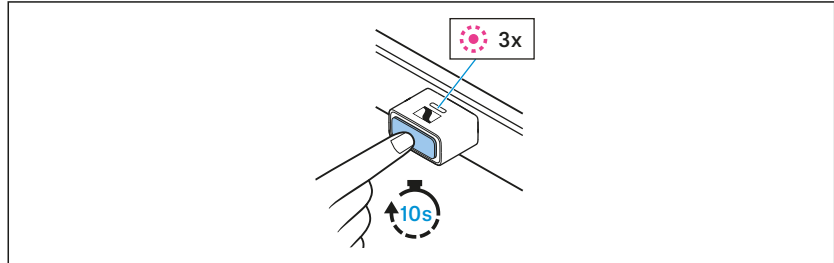
As soon as the reset is performed, the status LED flashes pink 3x.

Specifications

Model: BTD 700

Dimensions (Length x width x height)	*Dongle:* approx. 23.8 mm x 15.2 mm x 7.6 mm *Adapter:* approx. 25.69 mm x 15.2 mm x 7.6 mm
Weight	*Dongle:* approx. 2.2 g *Adapter:* approx. 3 g
USB interface	USB 2.0
Power supply	5 V⎓, 100 mA
Input voltage	4.75 to 5.25 V⎓
Operating current	≤ 100 mA
Standby current	< 2.5 mA
Temperature range	*operation:* 0 to +45°C *storage:* −25 to +70°C
Relative air humidity, non-condensing	*operation/storage:* < 85%
Supported host operating systems	Windows 10 or higher Mac OS V11 and V12 Android 13 or higher iPhone or iPad with USB-C

Bluetooth

Version	Bluetooth 5.4 compliant, class 1
Transmission frequency	2,402 MHz to 2,480 MHz
Modulation	GFSK, π/4 DQPSK, 8DPSK
Profiles	HFP, A2DP, Auracast™
Output power	10 mW (max)
Codec	Qualcomm® aptX™, Qualcomm® aptX™ Adaptive Audio, Qualcomm® aptX™ Lossless, SBC, LC3
Device name	BTD 700
Range	up to 50 m

Manufacturer Declarations

Warranty

For North America, Latin America & Caribbean and Asia-Pacific, Sonova Consumer Hearing GmbH offers a 12-month warranty on this product. For Europe and the Middle East, Sonova Consumer Hearing GmbH offers a 24-month warranty on this product.

For the current warranty conditions, please visit our website at www.sennheiser-hearing.com/warranty or contact your Sonova Consumer Hearing partner.

LIMITED AVAILABILITY OF REPLACEMENT PARTS AND REPAIR SERVICES

Most Products are covered by a 2-year Limited Warranty. Please see our full warranty terms and conditions here, which also include a list of the Products the warranty applies to: www.sennheiser-hearing.com/warranty-conditions.

Beyond the terms of the Limited Warranty, Sonova Consumer Hearing GmbH does not warrant or guarantee the availability of, and hereby disclaims any implied, statutory or other warranty or guarantee of availability of, any spare or replacement parts, repair services or information necessary for the maintenance or repair of the Products offered for sale at www.sennheiser-hearing.com by Sonova Consumer Hearing GmbH.

In compliance with the following requirements

- General Product Safety Regulation (EU) 2023/988

EU declaration of conformity

- RoHS Directive (2011/65/EU)

Hereby, Sonova Consumer Hearing GmbH declares that the radio equipment type BTD 700 is in compliance with the Radio Equipment Directive (2014/53/EU).

The full text of the EU declaration of conformity is available in English language at the following Internet address: www.sennheiser-hearing.com/download

UK declaration of conformity

- RoHS Regulations (2012)
- Radio Equipment Regulations (2017)

Notes on disposal

- EU: WEEE Directive (2012/19/EU)
- UK: WEEE Regulations (2013)

The symbol of the crossed-out wheeled bin on the product, the battery/rechargeable battery (if applicable) and/or the packaging indicates that these products must not be disposed of with normal household waste, but must be disposed of separately at the end of their operational lifetime. For packaging disposal, observe the legal regulations on waste segregation applicable in your country. Improper disposal of packaging materials can harm your health and the environment.

The separate collection of waste electrical and electronic equipment, batteries/rechargeable batteries (if applicable) and packagings is used to promote the reuse and recycling and to prevent negative effects on your health and the environment, e.g. caused by potentially hazardous substances contained in these products. Recycle electrical and electronic equipment and batteries/rechargeable batteries at the end of their operational lifetime in order to make contained recyclable materials usable and to avoid littering the environment.

Further information on the recycling of theses products can be obtained from your municipal administration, from the municipal collection points, or from your Sonova Consumer Hearing partner. You can also return electrical or electronic equipment to distributors who have a take-back obligation. Herewith you make an important contribution to the protection of the environment and public health.

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