

# Travel Silence For Your Aural Indulgence MM 450



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# Important safety instructions

- Please read these instructions carefully and completely before using the headset.
- Make these instructions easily accessible to all users at all times.
   Always include these instructions when passing the headset on to third parties.
- Only use the headset in aircraft where wireless Bluetooth® transmission is permitted.
- Do not use the headset in situations which require special attention (e.g. in traffic or when performing skilled jobs).
- Always keep the headset dry and do not expose it to extreme temperatures (normal operating temperatures: 10°C to 35°C).
  - Use the headset with care and store it in a clean, dust-free environment
  - Switch off the headset after use to conserve battery power. Remove the batteries if the headset will not be used for extended periods of time.
- The headset contains magnets that generate a magnetic field which could cause dangerous interference with cardiac pacemakers and implanted defibrillators. Keep the headset at least 1.2" (3 cm) from cardiac pacemakers or implanted defibrillators.
- Please protect your hearing from high volume levels. Sennheiser headsets also sound exceptionally good at low volumes.
- Only use the supplied mains unit and charging cable.
- To reduce the risk of fire or electric shock, do not use the device and the mains unit near water and do not expose them to rain or moisture.
- Unplug the mains unit from the wall socket
  - to completely disconnect the device from the mains
  - during lightning storms or
  - when unused for long periods of time.
- Only operate the mains unit from the type of power source specified in the chapter "Specifications" (page 25).
- · Ensure that the mains unit is
  - in a safe operating condition and easily accessible,
  - properly plugged into the wall socket,
  - only operated within the permissible temperature range,
  - not covered or exposed to direct sunlight for longer periods of time in order to prevent heat accumulation (see "Specifications" on page 25).
- Do not operate the device and the mains unit near any heat sources.
- Only use attachments/accessories specified by Sennheiser.

#### Intended use of the headset

Intended use of the headset includes

- having read these instructions, especially the chapter "Important safety instructions" on page 2,
- using the headset within the operating conditions and limitations described in this instruction manual.

"Improper use" means using the headset other than as described in these instructions, or under operating conditions which differ from those described herein.

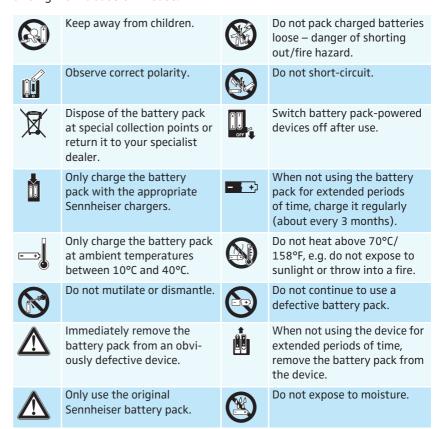
#### Safety instructions for the Lithium-Polymer battery pack

If abused or misused, the battery pack may leak. In extreme cases, it may even present



- a heat hazard,
- a fire hazard,
- · an explosion hazard,
- a smoke or gas hazard.

Please understand that Sennheiser does not accept liability for damage arising from abuse or misuse.



#### MM 450

The MM 450 headset provides undisturbed music enjoyment in noisy environments – even without the constrictions of cables. Its supra-aural, closed design and the latest active noise compensation technology (NoiseGard) make the MM 450 especially suitable for use with in-flight entertainment systems. Due to its active and passive attenuation of ambient noise, it lets you enjoy music even in noisy environments.

#### Bluetooth



The MM 450 complies with the new **Bluetooth** 2.1 standard. Via its **Bluetooth** interface, it can be connected to a wide variety of Bluetooth enabled devices. Bluetooth wireless technology allows the MM 450 to communicate with your **Bluetooth** enabled device (e.g. mobile phone, MP3 player, PC or PDA) within a range of up to 10 meters.

#### NoiseGard™

The NoiseGard active noise compensation system is based on the principle of cancelling out sound using "anti-sound" (phase-inverted sound). Tiny microphones pick up low-frequency ambient noise (up to 1 kHz) near the ear. The NoiseGard electronics use this noise to generate a sound wave which is the exact opposite (IE: at the same level but polarity reversed – 180° out-of-phase), the effect being that the polarity reversed signal cancels most of the outside noise.

#### **TalkThrough**

The MM 450 headset has a TalkThrough function, which allows you to communicate with other people without having to remove the headset. When TalkThrough is activated, professional quality microphones mounted on the outside of the headset pick up all acoustic signals in the immediate vicinity. Annoying background noise, e.g. from turbine engines, is electronically filtered out, only allowing the voice of the other person to pass through the headset clearly.

#### **Additional features**

- Outstanding sound quality due to patented adaptive baffle damping and Duofol diaphragms
- Optimum protection against ambient noise due to active and passive noise attenuation
- Great for travel: comfortable, rugged and foldable headset construction with single-sided, detachable cable
- Without the detachable audio cable, the headset can be used as a passive hearing protector

# **Delivery includes**

- 1 MM 450 headset
- 1 BA 370 PX battery pack
- 1 USB charging cable
- 1 PSC 03R-050 mains unit with country adapters
- 1 audio cable (2.5 mm to 3.5 mm jack plug)
- 1 audio adapter (6.35 mm jack plug)
- 1 in-flight adapter (3.5 mm double mono jack plug)
- 1 transport case
- 1 quick start guide
- 1 CD ROM with
  - detailed instruction manual (PDF file)
  - interactive instruction manual

### Overview of the pictograms

#### Meaning of the pictograms for pressing a button

Pictogram	Meaning
	Briefly press this button.
45	Keep this button pressed for 4 seconds.
C	Keep this button pressed until the desired setting is made or the desired action is completed.

#### Meaning of the pictograms for the flashing of the LED

Pictogram	Meaning
*	This pictogram symbolizes a flashing.
-	This pictogram symbolizes an interruption.
1s	This pictogram symbolizes an interval.

Examples of some of the pictograms that are used throughout this instruction manual:

Pictogram	Meaning
- * - 3s	The LED flashes once every 3 seconds.
	The LED flashes 3 times per second.
- * * - 1s	The LED flashes in a rhythmic sequence.
x - x - x	The LED flashes blue 3 times and then goes off.

#### The pictogram "i"?



This note provides important information!

Notes marked with the pictogram "i" provide important information on the use of the headset.

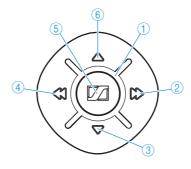
# **Product overview**



- Headband
- 2 Microphone
- 3 NoiseGard button
- 4 Socket for audio cable
- 6 Bluetooth button
- 6 Earpad
- Socket for charging cable
- 8 Battery pack compartment
- 9 Microphone

# A

#### **Operating panel**

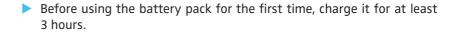


- 1 Star LED
- ② Fast-forward **→** button
- ③ Volume ▼ button
- ④ Rewind button
- Master button
- 6 Volume ▲ button

# Putting the MM 450 into operation

#### Charging the battery pack







When charging the battery pack outside the headset, the LED 10 on the battery pack lights up red. When the battery pack is fully charged, the LED 10 on the battery pack lights up green.



When the battery pack is almost flat, the Star LED ① on the headset flashes red. You hear a short, negative acknowledgement tone.

Type of use	Operating time
Using the headset with NoiseGard and Bluetooth technology	8 hours
Using the headset with NoiseGard only	20 hours
Using the headset with Bluetooth technology only	12 hours

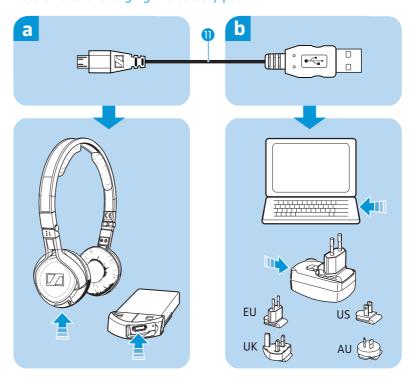
The operating time of the battery pack depends on the device settings, the listening situation and the audio sources used.



#### Conserving the battery power

Remove the battery pack if the headset will not be used for extended periods of time.

#### Possibilities of charging the battery pack



First, connect the charging cable (1) to the battery pack as described in section a and then connect the charging cable 11 to a power source as described in section b.

Connecting the charging cable to the battery pack а

> You can charge the battery pack either inside or outside the headset. This is helpful if you are using a spare battery pack (to be ordered separately).

To charge the battery pack inside the headset:

- Open the battery pack compartment cover 8 on the left earcup.
- Connect the charging cable 11 to the socket for charging cable 7 on the headset.

To charge the battery pack outside the headset:

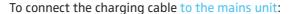
- Open the battery pack compartment cover (3) on the left earcup.
- Press the button next to the battery pack compartment and remove the battery pack.
- Connect the charging cable 11 to the socket for charging cable 7 on the battery pack.
- Connecting the charging cable to the mains unit, to a PC or to other USB b devices

In order to charge the battery pack, you can connect the charging cable to either the USB socket of your PC or to the supplied mains unit or to other USB devices.

To connect the charging cable to a PC:

Connect the USB plug of the charging cable 11 to the USB socket of your PC.

The battery pack is being charged. The LED (1) on the battery pack lights up red.



- Connect the charging cable 11 to the mains unit.
- Plug the suitable country adapter onto the mains unit.
- Plug the mains unit into a wall socket. The battery pack is being charged. The LED 10 on the battery pack lights up red.
- After charging, unplug the mains unit from the wall socket.

If you have charged the battery pack outside the headset:

- Insert the charged battery pack into the headset's battery pack compartment until it locks into place.
- Close the battery pack compartment cover 8.







#### Connecting the headset to the audio source

#### **CAUTION!** Danger of malfunction!



The transmitted radio waves can impair the operation of sensitive and unprotected devices.

Only use the headset in aircraft where wireless **Bluetooth** transmission is permitted or use the audio cable instead (see "Connecting the audio cable" on page 13).

The headset complies with the **Bluetooth** 2.1 standard. In order that data can be transmitted wirelessly using **Bluetooth** technology, you have to register your headset with your audio source (pairing).

The headset can save the connection profiles of up to 5 **Bluetooth** devices with which they have been paired. After switch-on, the headset automatically connects to one of these devices.

If you pair the headset with a sixth audio source, the saved connection profile of the first Bluetooth device will be overwritten. If you want to re-establish a connection with the first audio source, you have to pair the headset with this audio source again.

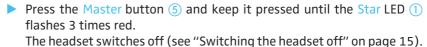
If your audio source does not have a **Bluetooth** interface, use an optional dongle (see "Accessories and spare parts" on page 24). In addition to adding Bluetooth capability to your audio source, this dongle uses apt-X, a technology that ensures crisp, pure and full stereo sound. With apt-X, Bluetooth can now offer wireless audio quality that is indistinguishable from the highest quality wired connection.



For an optimum listening experience, your audio source has to support the A2DP profile.

#### Pairing the headset with an audio source







- ▶ Press the Master button ⑤ and keep it pressed until the Star LED ① alternately flashes blue and red.
- On your audio source, activate the Bluetooth function "Add a new device".
- Proceed as described in the instruction manual of the audio source.



If a suitable audio source is found, the devices will exchange device identification information. The Star LED ① flashes 3 times blue and you hear an ascending beep. The devices have identified each other and the headset is paired with the audio source.



#### PIN code

When the audio source prompts for a password or PIN code, enter the default PIN code "0000".



If a connection is established, the Star LED ① continues to slowly flash blue.



If no device is found within approx. 5 minutes, the Star LED ① flashes 3 times red and you hear a descending beep. The headset will then try for 3 minutes to connect to one of the 5 known audio sources. If this fails, the headset automatically switches off.

In this case, repeat the necessary steps to pair the headset with the audio source again.

#### Switching the "Bluetooth connection" flashing on/off

Switch the headset off (see "Switching the headset off" on page 15).



To switch the "Bluetooth connection" flashing off:

- ▶ Press the Master button ⑤ and keep it pressed until the Star LED ① alternately flashes blue and red.
- ▶ Press the Volume ▼ button ③ for more than 3 seconds.



To switch the "Bluetooth connection" flashing on again:

Press the Volume A button 6 for more than 3 seconds.

#### **Disconnecting the Bluetooth connection**



The Bluetooth button 5 is backlit, indicating the current setting. The backlighting goes off after a short time to conserve battery power.

Press any button on the headset to display the current setting of the Bluetooth function.

To disconnect the **Bluetooth** connection to the audio source, you can switch off the headset or the **Bluetooth** function.

To switch the headset off:



▶ Press the Master button ⑤ and keep it pressed until the Star LED ① flashes 3 times red.

You hear a descending beep. The **Bluetooth** connection is automatically deactivated. The headset switches off.







▶ Press the Bluetooth button ⑤ and keep it pressed until the Star LED ① flashes 3 times red. You hear a descending beep.
The Bluetooth button ⑥ goes off. The Star LED ① flashes blue and the Bluetooth function is switched off.

#### Connecting the audio cable

#### Connecting the audio cable

You can connect the headset to the audio source using the audio cable if

- · you do not want to use the Bluetooth function,
- you are not allowed to use the Bluetooth function (some airlines do not allow Bluetooth transmission)
- the battery pack is flat.

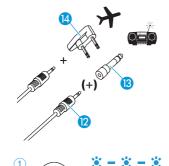


When the audio cable is connected to the headset, the **Bluetooth** function cannot be switched on.



If the headset is already connected to the audio source via the **Bluetooth** interface, the **Bluetooth** connection is automatically disconnected when you connect the audio cable. The Star LED ① flashes 3 times red and you hear a descending beep.

- Connect the 2.5 mm jack plug of the audio cable to the socket 4 of the headset.
- Connect the 3.5 mm jack plug of the audio cable 12 to
  - the headphone socket of your audio source or
  - the audio adapter for 6.35 mm jack socket (3) if the 3.5 mm jack plug of the audio cable is too small or
  - the in-flight adapter (2) if you want to use the headset with an in-flight entertainment system.



When the audio cable is connected to your audio source, you hear the sound from your audio source and the Star LED (1) flashes blue.

#### Detaching the audio cable

If you want to use the headset only as a **Bluetooth** headset or as a passive hearing protector, you can detach the audio cable 2.

▶ Pull the 2.5 mm jack plug of the audio cable ② from the socket ④ of the headset.



When detaching the audio cable, the **Bluetooth** function is not automatically switched on.

Switch the **Bluetooth** function on again (see "Switching the **Bluetooth** function on/off" on page 17).



#### Adjusting the headband

For optimum transmission quality, good noise attenuation and best possible comfort, the headband has to be adjusted to properly fit your head:

- Wear the headset so that the headband 1 runs over the top of your head.
- Adjust the length of the headband so that
  - the earpads 6 rest comfortably against the ears,
  - you feel even, gentle pressure around your ears,
  - a snug fit of the headband 1 on the head is ensured.
- To ensure maximum noise attenuation, final adjustment is best made in a noisy environment.

# Using the MM 450

#### Switching the headset on/off

#### **CAUTION!** Hearing damage due to high volumes!



Listening at high volume levels for long periods can lead to permanent hearing defects. Please protect your hearing. Sennheiser headsets also sound exceptionally good at low

> Set the volume to a medium level.

#### Switching the headset on



- ▶ Press the Master button ⑤ and keep it pressed until the Star LED ① flashes blue. You hear an ascending beep.
  - When switching the headset on for the first time, it will automatically go into pairing mode.
    - The headset is waiting to be paired with a **Bluetooth** enabled device (see page 10).
  - When the headset is already paired with an audio source, the Bluetooth connection is automatically established. You hear an ascending beep and then your audio source.
  - When the headset is already paired with an audio source but the audio source is switched off or out of range, the Star LED ① flashes

The headset will try for 3 minutes to connect to one of the 5 known audio sources. If this fails, the headset automatically switches off.

#### Switching the headset off





Press the Master button (5) and keep it pressed until the Star LED (1) flashes 3 times red.

You hear a descending beep. The **Bluetooth** connection is automatically deactivated. The headset switches off.

#### Adjusting the headset to the listening situation

The headset has a NoiseGard function, a **Bluetooth** function and a Talk-Through function. Depending on the listening situation, you can switch these functions on or off.

#### Switching the NoiseGard function on/off



The NoiseGard button 3 is backlit, indicating the current setting. The backlighting goes off after a short while in order to conserve battery power.

Press any button on the headset to display the current setting of the NoiseGard active noise compensation.

The NoiseGard function has to be switched on to be active. If the NoiseGard function is switched off, the MM 450 can also be used as a conventional headset.

To switch the NoiseGard function on:





Press the NoiseGard button 3 for 2 seconds.
The button is backlit in red and the NoiseGard function is switched on.

To switch the NoiseGard function off:

Press the NoiseGard button 3 for 2 seconds. The red backlighting goes off and the NoiseGard function is switched off.



#### Conserving the battery power

Switch the NoiseGard function off after use to conserve battery power.

#### Switching the TalkThrough function on/off

The headset provides excellent attenuation of ambient noise. The Talk-Through function allows you to communicate undisturbed with other people even when the NoiseGard function is switched on.

To switch the TalkThrough function on:





▶ Briefly press the NoiseGard button 3. The Star LED 1 lights up red. The TalkThrough function is switched on.

To switch the TalkThrough function off:

Briefly press the NoiseGard button 3.
The Star LED 1 goes off. The TalkThrough function is switched off.

#### Switching the Bluetooth function on/off

Via the **Bluetooth** interface, the headset can be connected to a wide variety of **Bluetooth** enabled devices.

To switch the **Bluetooth** function on:





▶ Press the Bluetooth button **⑤** and keep it pressed until the Star LED **⑥** flashes 3 times blue. The Bluetooth function is switched on.

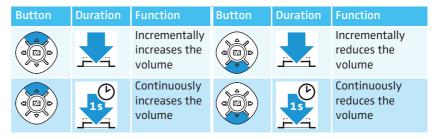
To switch the **Bluetooth** function off:

Press the Bluetooth button **5** and keep it pressed until the Star LED **1** flashes 3 times red. You hear a descending beep.

The Bluetooth button **5** goes off. The Star LED **1** flashes blue and the Bluetooth function is switched off.

#### Changing the volume

The MM 450 allows you to change the volume of the audio signal or the volume of the TalkThrough function:



If you press the respective button briefly, the volume is changed incrementally; if you hold down the button, the volume is changed continuously. When the minimum or maximum volume is reached, you hear an acknowl-

When the minimum or maximum volume is reached, you edgement tone.

#### Remote-controlling connected devices from the headset

You can directly remote-control any device supporting the AVRCP profile and connected to the MM 450 by using the buttons on the headset. Please refer to the instruction manual of your audio source for information on whether your device supports the AVRCP profile.

If your device does not support the AVRCP profile, you can use an optional dongle. Using the iPod dongle or the USB dongle, you can remote-control the connected devices from the headset.

#### Remote-controlling the audio source from the headset

If your headset has a **Bluetooth** connection to an audio source (e.g. iPod, MP3 or CD player), you can use the MM 450 to remote-control the audio source as follows:

Button	Duration	Function	Button	Duration	Function
A D D D		Incrementally increases the volume	T D D D D D D D D D D D D D D D D D D D		Incrementally reduces the volume
		Continuously increases the volume		is.	Continuously reduces the volume
A D D D		Skips to the next track			Skips to the previous track
Q Z D		Fast-forwards the track		is.	Rewinds the track
(d)		Plays and repeats the track			Stops the track (acknowledge- ment tone)

#### Remote-controlling a mobile phone from the headset



If your headset has a **Bluetooth** connection to your mobile phone, the Star LED ① on the headset flashes to indicate that the mobile phone is ringing. The LED flashes 3 times blue. After a pause, the flashing is repeated. You can also hear the ring tone of your mobile phone if your mobile phone supports this function.

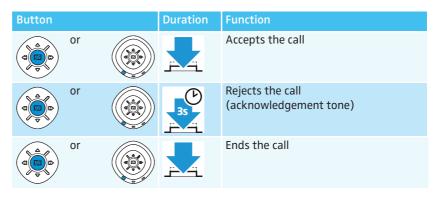


#### Switching the Bluetooth function off

If you press the Bluetooth button 5 too long, the Bluetooth function switches off!

You can use the MM 450 to remote-control different functions of your mobile phone.

If the mobile phones rings:



If the mobile phone is switched on, does not ring and you do not make a phone call:

Button	Duration	Function
	© M	Redials the last number (acknowledgement tone)
		Activates voice dial (acknowledgement tone)

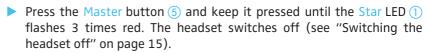
If you make a phone call:

Button	Duration	Function
	<b>5</b> s	Transfers the ongoing call back to the mobile phone
	35	Activates the muting function (acknowledgement tone)
Any button	A	Deactivates the muting function

#### Resetting the settings of the headset

You can reset the volume and connection settings of your headset to the original settings. This allows you to prevent that other users of the headset can access your **Bluetooth** enabled devices. You can then pair 5 new devices with the headset.







▶ Press the Master button ⑤ and keep it pressed until the Star LED ① alternately flashes blue and red.



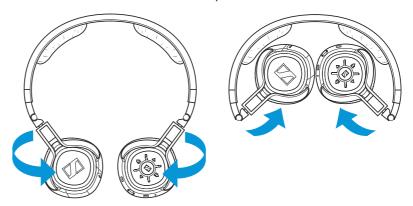


Press the Bluetooth button 6 and keep it pressed until the settings of the headset are reset.

# Transporting the MM 450

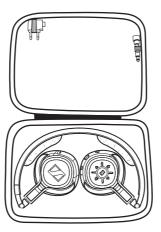
For space-saving transportation, the headset can be folded up flatly and compactly.

- Rotate the earcups by 90°.
- ► Tuck the earcups between the headband.
- ▶ Place the headset flat into the transport case.



Your accessories can be transported in the cover of the transport case:

- Audio adapter (6.35 mm jack plug)
- In-flight adapter (3.5 mm double mono jack)



# Cleaning the MM 450

#### Cleaning the headset

**CAUTION!** Liquids can damage the electronics of the device!



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

- ► Keep all liquids far away from the device.
- Do not use any cleansing agents or solvents.

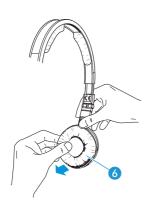
For reasons of hygiene, you should clean the headset regularly:

- ▶ Before cleaning, make sure that the headset is not recharged via the mains.
- Only use a soft, slightly damp cloth to clean the headset.

#### Replacing the earpads

You can replace the earpads. Spare earpads are available as accessories (see "Accessories and spare parts" on page 24).

- ► Grasp the edge of the earpad **6** behind the earcup and peel it up and away from the earcup.
- Slide the new earpad 6 onto the earcup.



# If a problem occurs ...

Problem	Possible cause	Solution
No operation indicator – headset cannot be switched on	The battery pack is flat.	Recharge the battery pack (page 8).
No audio signal when the audio cable is connected	The jack plug of the audio cable is not properly connected.	Check the connection to your audio source (page 13).
No audio signal during Bluetooth	The headset is switched off.	Switch the headset on (page 15).
connection	The headset is not paired with an audio source.	Check if the headset is paired. If necessary, pair the headset with the audio source again (page 10).
	The <b>Bluetooth</b> function on the headset is switched off.	Switch the <b>Bluetooth</b> function on the headset on (page 17).
	The audio cable is connected to the headset.	The connection of the audio cable automatically switches off the Bluetooth connection. Remove the audio cable and then switch the Bluetooth function on again (page 13).
	The volume is adjusted too low.	Increase the volume (page 17).
Headset cannot be paired	The pairing does not work.	Check if the audio source supports the A2DP profile/the HSP/HFP profile. If not, use one of the optional dongles.
	The audio source is switched off.	Switch the audio source on (page 10).
No audio signal during Noise-	The headset is switched off.	Switch the headset on (page 15).
Gard operation	The TalkThrough function is switched on. When in TalkThrough mode, the audio signal is not available.	Switch the TalkThrough function off (page 16).
Headset does not react to any button press	The operation of the headset is faulty.	Remove the battery pack from the headset. Reinsert the battery pack into the headset. Switch the headset on again.
Bluetooth connection is suddenly inter- rupted	The <b>Bluetooth</b> button has been pressed too long.	Switch the <b>Bluetooth</b> function on (page 17).

# Accessories and spare parts

The following MM 450 accessories are available from your specialist dealer:

Cat. No.	Accessory/spare part
531404	Earpads, 1 pair
531405	Headband padding, 1 pair
521829	PSC 03R-050 mains unit with 4 country adapters (EU/UK/US/AU)
531406	Audio cable (2.5 mm jack plug to 3.5 mm jack plug)
525731	In-flight adapter 3.5 mm double mono jack plug
531407	USB cable (microUSB to USB)
530695	BA 370 PX battery pack
502388	BTD 300 Audio
502390	BTD 300 USB
502389	BTD 300 i

# **Specifications**

Transducer principle dynamic, closed Ear coupling supra-aural Frequency response 15-22,000 Hz Nominal impedance active/passive  $590/100 \Omega$ Sound pressure level at 1 kHz and 1 Volt 107 dB SPL THD at 1 kHz < 0.1% Audio connector 3.5 mm stereo jack plug Audio adapter 6.35 mm stereo jack plug 3.5 mm double mono jack plug In-flight adapter Cable length Audio cable 1.4 m Charging cable 0.8 m 105 g BA 370 PX battery pack 3.7 V; 250 mAh Lithium-Polymer Charging time 3 hrs Operating time 8 hrs/12 hrs/20 hrs Operating temperature range 0°C to +40°C -10°C to +70°C Storage temperature range Passive noise attenuation 25 dB NoiseGard

#### PSC 03R-050 mains unit

active noise compensation

Nominal input voltage 110-240 V~ Nominal input current max. 0.2 A Mains frequency 50-60 Hz Nominal output voltage 5 V <del>- - -</del> Nominal output current max. 0.5 A Operating temperature range 0°C to +45°C Storage temperature range -40°C to +85°C Relative humidity 20 to 90% RH Weight approx. 61 g

23 dB

#### **Bluetooth**



Bluetooth®
Range
Transmission frequency
Protocoles
Codec

version 2.1 + EDR

up to 10 m

2.4 GHz

HSP, HPF, A2DP, AVRCP

SBC

#### **Manufacturer Declarations**

#### Warranty

Sennheiser Communications A/S gives a warranty of 24 months on this product. For the current warranty conditions, please visit our web site at www.sennheiser.com or contact your Sennheiser partner.

#### **CE Declaration of Conformity**

These devices comply with the basic requirements and other relevant provisions of the following directives:

- R&TTE Directive (1999/5/EU)
- EMC Directive (2004/108/EU)
- Low Voltage Directive (2006/95/EU)
- RoHS Directive (2002/95/EU)
- WEEE Directive (2002/96/EU)
- Battery Directive (2006/66/EU)

The declaration is available on the internet at www.sennheiser.com. Before putting the devices into operation, please observe the respective country-specific regulations!

#### Statements regarding FCC and industry Canada

# We, Sennheiser Electronic Corporation Strat. Marketing • Stefanie Reichert One Enterprise Drive • Old Lyme • CT 06371 • USA

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declare the above device comply with the requirements of Federal Communications Commission.

This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions:

1) This device may not cause harmful interference, and

2) This device must accept any interference received, including interference that may cause undesired operation

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Responsible Party: John Falcone

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This class B digital apparatus complies with the Canadian ICES-003.

Changes or modifications made to this equipment not expressly approved by Sennheiser electronic Corp. may void the FCC authorization to operate this equipment.

#### In compliance with:



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