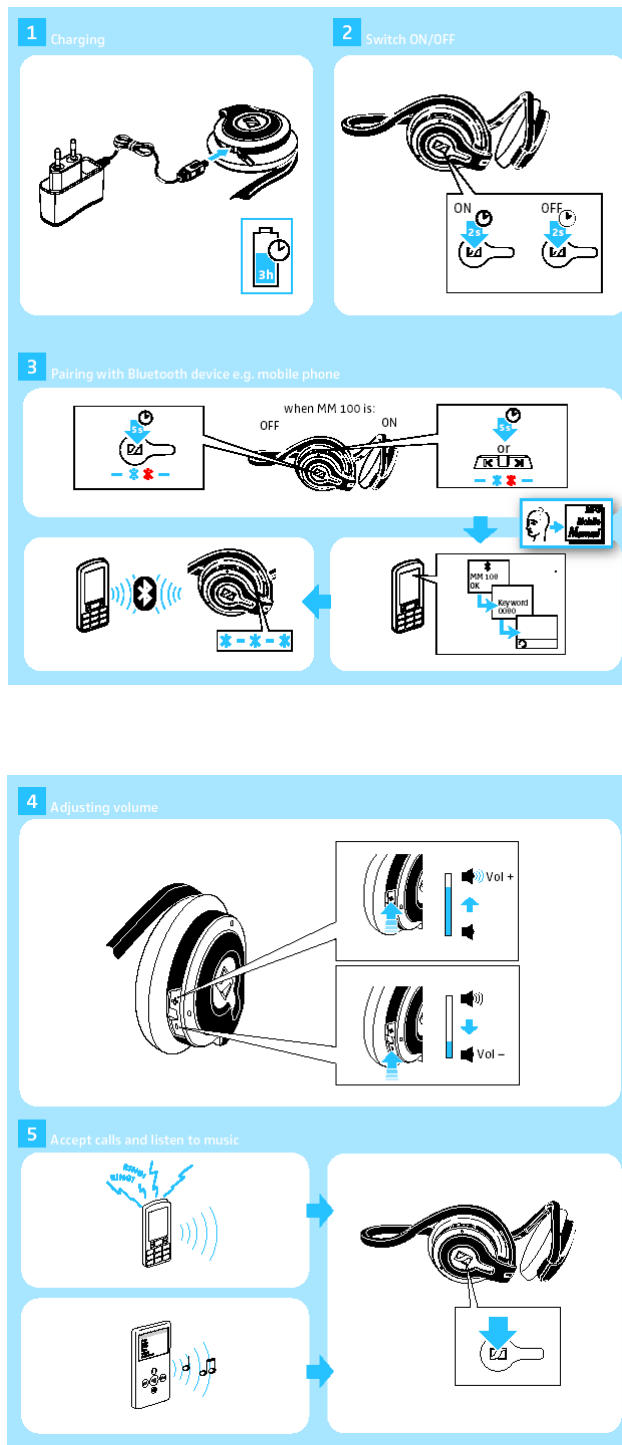


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1.6 User Manual



- Deutsch
- English
- Français
- Italiano
- Español
- Nederlands



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|--|----|
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Thank you for choosing Sennheiser!

We have designed this product to give you reliable operation over many years. Over 60 years of accumulated expertise in the design and manufacture of high-quality electro-acoustic equipment have made Sennheiser a world-leading company in this field. Please take a few moments to read these instructions carefully, as we want you to enjoy your new Sennheiser products quickly and to the fullest.

1

Important safety information

The MM 100 has been manufactured according to the accepted rules of safety and current technology. However, there is still a danger of damage to equipment if the following general safety instructions are not complied with.

- Read these instructions.
- Follow these instructions.
- Make these instructions easily accessible to all users at all times. Always include these instructions when passing the MM 100 on to third parties.

General instructions

- Never disassemble or modify components of the MM 100.
- The built-in rechargeable battery may present a fire or chemical burn hazard if mistreated. Therefore, do not disassemble, heat above 40 °C (104 °F) or incinerate the rechargeable battery.
- Sennheiser Communications is not liable for damages resulting from the loss of connection due to a run flat battery, an old battery or exceeding the transmission range.

Before operation

- Use the MM 100 in dry places only and keep liquids and small electrically conductive parts away from the MM 100 and its connecting sockets.
- Do not expose the MM 100 to extreme temperatures. Normal operating temperatures are 10 °C (50 °F) to 40 °C (104 °F).
- Store the headset in a clean, dust-free environment.

During charging

- Do not wear the headset when charging.
- Sennheiser Communications is not liable for damages to USB devices that are not consistent with the USB specifications.
- The headset must be charged either with a compatible Sennheiser Communications power supply (EU: S04115, UK: S04116, US: S04117), the compatible Sennheiser Communications car charger unit (S02313), or other compatible Sennheiser Communications' charging units.
- Never try to charge batteries other than the one in the MM 100 headset with the MM 100 power supply or car charger unit.

During operation

- Avoid listening at high volume levels for long periods since this leads to permanent hearing damage.

2

Important safety information

- Observe your country's regulations for the use of mobile phones, headsets and hands free equipment in traffic. Always focus your attention on driving safely!
- This equipment generates, uses and can radiate radio frequency energy and, if not 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.
- Only use the headphones in aircraft where wireless **Bluetooth®** transmission is permitted.
- The headphones contain magnets that generate a magnetic field which could cause dangerous interference with cardiac pacemakers and implanted defibrillators. Keep the headphones at least 1.2" (3 cm) from cardiac pacemakers or implanted defibrillators.

After the usage period

- Dispose of the built-in batteries according to local regulations. Do not dispose as household waste.

Intended use

The MM 100 is an accessory for mobile phones or any Bluetooth compliant device with a hands free profile (HFP), a headset profile (HSP), an advanced audio distribution profile (A2DP) or an audio/video remote control profile (AVRCP). It is intended for wireless communication via Bluetooth technology in dry environments.

It is considered improper use when the MM 100 is used:

- for any application not named in this instructions,
- under operating conditions that deviate from those described in this instructions.

3

Important safety information












Safety instructions for Lithium-Polymer rechargeable batteries

The MM 100 has a built-in Lithium-Polymer rechargeable battery. If abused or misused, rechargeable batteries may leak.

WARNING! In extreme cases, rechargeable batteries may even present

- a heat hazard
- a fire hazard
- an explosion hazard
- a smoke and gas hazard

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



-  Keep away from children.
-  Do not heat above 40 °C/104 °F, e.g. do not expose to sunlight or throw into a fire.
-  Do not expose to moisture.
-  Do not short-circuit.
-  Do not mutilate or dismantle.
-  Only charge rechargeable batteries with the appropriate Sennheiser Communications chargers.
-  Only charge rechargeable batteries at ambient temperatures between 10 °C and 40 °C.
-  Do not charge the rechargeable battery if the unit is obviously defective.
-  When not using rechargeable batteries for extended periods of time, charge them regularly (every six months for about one hour).
-  Store the units/rechargeable batteries in a cool and dry place at room temperature (approx. 20 °).
-  Return defective units or units with defective rechargeable batteries to your specialist dealer.

4




Important safety information

Overview of the pictograms





Meaning of the pictograms for pressing a button

| Pictogram | Meaning |
|---|---|
|  | Briefly press this button. |
|  | Keep this button pressed for 5 seconds. |


Meaning of the pictograms for the flashing of the LED

| Pictogram | Meaning |
|---|--|
|  | This pictogram symbolizes a flashing. |
|  | This pictogram symbolizes an interruption. |
|  | This pictogram symbolizes an interval. |

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

| Pictogram | Meaning |
|---|---|
|  | The LED flashes once every 3 seconds. |
|  | The LED flashes 3 times per second. |
|  | The LED flashes in a rhythmic sequence. |
|  | The LED flashes several times. |

The pictogram "i"?

| | |
|---|---|
|  | This note provides important information! Notes marked with the pictogram "i" provide important information on the use of the headphones. |
|---|---|

5

Delivery includes


Delivery includes

- 1 MM 100 Bluetooth stereo headset with built-in rechargeable Li-polymer battery
- 1 MM 100 power supply
- 1 Instruction manual

MM 100

- A2DP stereo Bluetooth® headset with excellent sound quality
- Superb stereo sound, with high dynamics and excellent bass response
- 2 simultaneous sources – e.g. MP3 player and mobile phone
- Mobile phone control
 - answer/end/reject
 - mic muting
 - transfer call*, redial*, voice dial*
 - (*functions need to be supported by the mobile phone)
- Battery life time
 - up to 7.5 hours of music listening
 - up to 9 hours of talk time
 - up to 220 hours of standby time

Bluetooth

-  The MM 100 comply with the Bluetooth 2.0 + EDR standard. Via their Bluetooth interface, it can be connected to a wide variety of Bluetooth enabled devices. Bluetooth wireless technology allows the MM 100 to communicate with your Bluetooth enabled device (e.g. mobile phone, MP3 player, PC or PDA) within a range of up to 10 meters.

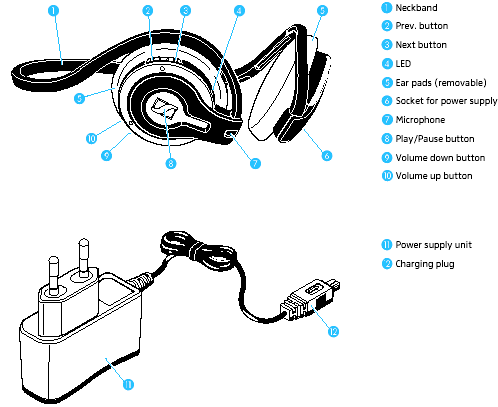
In addition the headset is:

- compatible with all Bluetooth 1.1 and 1.2 devices that support the hands free (HFP), headset (HSP), or advanced audio distribution profile (A2DP)

6

Operating elements

Operating elements



7

Button overview

Button overview







| Button | to be pressed | to ... | Page |
|--------|---------------|---|----------------|
| | | start or pause audio playback, accept or end a call, start searching mode | 16 16 11 |
| | | switch on/off, reject a call, mute/unmute the microphone | 11, 17 20 |
| | | enter pairing mode | 13 |
| | | Increase the ring volume or audio volume by 1 step | 20 |
| | | Increase the ring volume or audio volume continuously | 20 |
| | | reduce the ring volume or audio volume by 1 step | 20 |
| | | reduce the ring volume or audio volume continuously | 20 |
| | | skip forward/accept call | 16/17 |
| | | reject a call | 17 |
| | | redial*, transfer calls between headset and mobile phone * | 18, 19 |
| | | enter pairing mode | 13 |
| | | skip backward/accept call | 16/17 |
| | | reject a call | 17 |
| | | transfer calls between headset and mobile phone* | 19 |
| | | voice dial* | 19 |
| | | enter pairing mode | 13 |

* these function need to be supported by the mobile phone

8

LED indications

Meaning during operation

| LED flashing | Meaning during operation |
|---|--------------------------|
|  | pairing mode |
|  | standby mode |
|  | audio streaming mode |
|  | active call mode |
|  | searching mode |
|  | idle mode |

For a more detailed description of the LED indications, please see "Switching the headset on" on page 11.



After switching the headset on flashing of the LED in blue indicates that the battery charge status is OK, flashing in red indicates a low battery. When the battery is low all indications turn red.

Meaning during charging

| LED colour | Meaning during charging |
|------------|-------------------------|
| red ■ | charging mode |
| blue* ○ | charging complete |

* The LED switches off after 1 hour to save battery power.

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Putting the MM 100 into operation

Charging the headset battery


If you charge the battery for the first time, allow charging for at least 3 hours without interruption. Later, 2.5 hours will suffice to fully charge the battery.




If you charge the MM 100, it will stop any operation and go into charging mode.

A fully charged battery provides a playback time of up to 7.5 hours or a standby time of up to 220 hours.

When the battery is about to run flat:

- All indications of the LED  turn red.
- A low battery alert (threefold warning signal) is heard in the headset.
- You have some minutes of reserve battery. When the battery is empty a threefold warning signal with an ascending signal is heard in the headset. The headset switches off.



To charge the headset's built-in battery via the MM 100 Power supply unit :



CAUTION! Risk of hazard!

Wearing the headset while charging can cause burns and injuries.



▶ Do not wear the headset while charging.

- ▶ Take off the headset and switch it off (see page 11).
- ▶ Connect the Charging plug  to the Socket for power supply .
- ▶ Connect the power supply to the mains.

During charging, the LED  lights up red continuously. When charging is complete, the LED  turns blue continuously for max. 1 hour. As long as the headset is connected to a power source, all operating buttons are blocked.



You can also charge the MM 100 with the optional USB charging cable or USB power supply (see „Accessories“ on page 23).




10

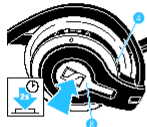
Putting the MM 100 into operation


Switching the headset on

To switch the headset on:


- ▶ Press and hold the Play/Pause button  for 2 seconds. An ascending confirmation beep is heard in the headset and the LED  indicates the current operating mode.

 Flashing in blue indicates that the battery charge status is OK; flashing in red indicates a low battery (see page 9).



Searching mode


The LED  flashes several times every second:
The headset is paired to one or several Bluetooth devices and tries to connect to one of these devices.


Idle mode


The LED  flashes slowly (once every second):
The headset is paired to one or several Bluetooth devices. However, there is no current connection because the Bluetooth device is switched off or out of range.

Standby mode


The LED  flashes once every 3 seconds:
The headset is paired to one or several Bluetooth devices. However, there is neither an audio transmission nor an active call.

Audio streaming mode


The LED  is glowing slowly every 4 seconds:
The headset is paired to one or several Bluetooth devices, a sound file is received via A2DP and played back or paused.


Active call mode



The LED  flashes once every second:
The headset is paired to one or several Bluetooth devices and there is currently an active call.

11

Putting the MM 100 into operation

Pairing mode

If you switch on the headset and keep the Play/Pause button  pressed for 5 seconds, the headset will go into pairing mode (see "Pairing the headset" on page 13).

The LED  flashes alternately in red and blue for up to 60 seconds:
The headset is not yet paired to any Bluetooth device. Pair it as described under "Pairing the headset" on page 13.



Establishing Bluetooth connections

If the MM 100 is not yet paired to any device, see "Pairing the headset" on page 13.

CAUTION! Danger of malfunction!


The transmitted radio waves can impair the operation of sensitive and unprotected devices.
▶ Only use the headphones in aircraft where wireless Bluetooth transmission is permitted.





 After switch-on, the headset tries to connect to the Bluetooth device to which it was last connected. If this device cannot be detected, the headset will go into idle mode.

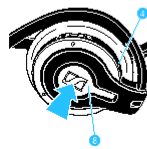
If a certain Bluetooth connection cannot be established, because the corresponding Bluetooth device is switched off or out of range, you can manually re-establish the connection as follows:

- ▶ Switch off the Bluetooth visibility of all Bluetooth devices in the vicinity, except for the Bluetooth device you want to connect to.

- ▶ Press the Play/Pause button .

The LED  flashes 3 times per second, indicating that the headset is in searching mode.
When the headset and the Bluetooth device detect each other, the connection is established. A high confirmation beep is heard in the headset.

 The headset saves up to 8 Bluetooth connection profiles of Bluetooth devices with which it has been paired. If you want to re-establish a connection with a device with which the headset has been paired, the connection needs to be established from this device (for details, please see the manual of the Bluetooth device). Before doing so, please make sure that the last paired device is disconnected.





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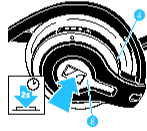
Putting the MM 100 into operation

Switching the headset off

The headset switches off automatically 60 minutes after the last Bluetooth connection is ended (idle mode).

To manually switch the headset off:

- ▶ Press and hold the Play/Pause button  for 2 seconds. A descending confirmation beep is heard in the headset and the LED  flashes red twice, indicating that the headset is switched off. Pairing and volume settings are saved automatically when the headset is switched off.


Pairing the headset

You can pair the headset to up to 8 devices.

Bluetooth devices supporting:

- the advanced audio distribution profile (A2DP), e.g. a music mobile phone, a portable music player or laptop (Windows Vista with update as of April 2007 or Mac OS X Leopard)
- hands free (HFP) or headset (HSP) profile, e.g. mobile phones

Once you have paired the headset to a Bluetooth device, the headset automatically connects to the last paired Bluetooth device each time this device and the headset detect each other.

Pairing to a mobile phone

Before pairing to a mobile phone, make sure:

- that the headset's battery has been charged as described under "Charging the headset battery" on page 10,
- that your mobile phone is switched on and Bluetooth visibility is enabled,
- that the headset is switched off and placed close to the mobile phone (approx. 20 cm (7")).



13

Putting the MM 100 into operation

To enter pairing mode:

- ▶ Press and hold the Play/Pause button  for 5 seconds. The LED  flashes alternately in red and blue, indicating that the headset is in pairing mode.



If the headset is already switched on and is in standby or idle mode, you can enter pairing mode by pressing the Next button  or Prev. button  for 5 seconds.

- ▶ Once the headset is detected by the mobile phone, select "MM 100" and connect.

When the Bluetooth connection is successfully established, the headset is identified as "MM 100" on the mobile phone display.

- ▶ When the mobile phone prompts a keyword, enter 4 zeros ("0000"). If pairing was successful, the LED  flashes slowly in blue.

Some mobile phones require an additional step to connect to the headset. For details, please refer to the manual of the mobile phone.

Once paired, most mobile phones are able automatically transfer the audio to the headset and, in addition, show a headset symbol in their display.

Pairing is not successful

If pairing is not successful within 60 seconds, the headset returns into idle mode.

- ▶ On the mobile phone, start a search for Bluetooth devices (see the manual of your mobile phone) and follow any instructions displayed on the mobile phone display.

Pairing to other Bluetooth audio devices

If you wish to pair the headset to other Bluetooth devices such as portable music players or laptops, please refer to the manual of the Bluetooth audio device.

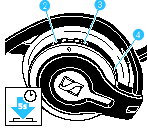
Multi-pairing

The MM 100 can simultaneously be paired to up to 2 devices, one supporting the HF/HSP profile and one supporting the A2DP, e.g. a mobile phone and a MP3 player.

- ▶ Pair the MM 100 to one of the devices (see "Pairing the headset" on page 13). If the MM 100 is only paired as either a HFP/HSP or an A2DP device, you can pair it to a secondary Bluetooth device.

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Using the MM 100



- ▶ When the headset is in standby mode (i.e. no active call and no music streaming), press and hold the Next button ③ or Prev. button ② for 5 seconds. The LED ④ flashes alternately in red and blue, indicating that the headset is in pairing mode and ready to pair the secondary device.
- ▶ Follow the steps described under "Pairing to a mobile phone" on page 13, or the steps described in the manual of any other device.

Using the MM 100

Wearing the headset



- CAUTION!** Danger of accidents!
The headset can draw off your attention.
- ▶ Do not wear the headset in an environment that requires your special attention (e.g. in traffic or when performing skilled jobs)!
 - ▶ Put on the headset as shown in the drawing.

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Using the MM 100

Listening to music

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 volumes.

- ▶ Set the volume to a medium level.

If your Bluetooth device supports the audio/video remote control profile (AVRCP), you can operate the audio player via a remote control.

| To... | Press |
|---|---|
| start playback |  |
| pause playback |  |
| skip to the next track in the playlist/ folder |  |
| skip to the previous track in the playlist/folder |  |

If your Bluetooth device does not support the audio/video remote control profile (AVRCP):

- ▶ You have to operate play, pause, stop and skip via the audio player software of your Bluetooth device.

Calling

Provided the headset is switched on, paired and within the transmission range of a mobile phone (see page 13), you can accept and make calls with the MM 100. When you receive a call while listening to music, the music automatically pauses and starts playing again after the call has ended.

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Using the MM 100

Accepting a mobile phone call

When you receive a call via your mobile phone you hear a ring tone in the headset. If the mobile phone is set to silent alert or vibrating alert there will be no ringing tone in the headset.

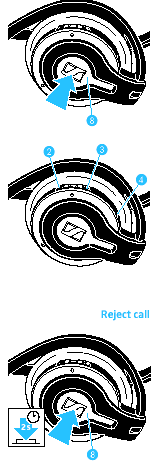
- ▶ Press the Play/Pause button ③.
- Or
- ▶ Press the Next button ④ or Prev. button ②.

After a delay up to 2 seconds an ascending confirmation beep is heard in the headset. Audio streaming is automatically paused.

▶ Start to talk.

Reject call

- ▶ Press and hold the Play/Pause button ③ for 2 seconds.
- Or



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Using the MM 100

- ▶ Press and hold the Next button ④ or Prev. button ② for 2 seconds. A descending confirmation beep is heard in the headset. The ringing stops. Depending on the settings of the mobile phone or Bluetooth device, the call is either rejected or transferred to a voice mailbox.

Ending a call

- ▶ During the call, press the Play/Pause button ③. A descending confirmation beep is heard in the headset. If any audio streaming was paused when the call was accepted, it will automatically resume.
- ▶ Refer to the manual of your mobile phone for information on whether your mobile phone hangs up automatically or you have to hang up manually.

Making a call

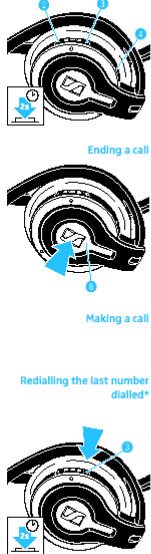
If you make a call from your mobile phone, any music playback is paused. An ascending confirmation beep is heard in the headset.

- ▶ Dial the number on your mobile phone.

Redialling the last number dialled*

Redialling the last number dialled is only possible with certain mobile phones or Bluetooth devices. Please refer to the manual of your mobile phone or Bluetooth device.

- ▶ Press and hold the Next button ④ for 2 seconds. An ascending confirmation beep is heard in the headset. The last dialled number is redialled.



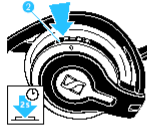
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Using the MM 100

Voice dialling*

The voice dialling function must be supported by your mobile phone or Bluetooth device, supporting HFP respectively, and be activated.


- ▶ Press and hold the Prev. button  for 2 seconds. An ascending confirmation beep is heard in headset.

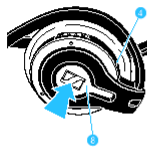


- ▶ Say the name of the other party that you recorded in the phone. The mobile phone or Bluetooth device automatically dials the corresponding number. If redialling or voice dialling is successful, an ascending confirmation beep is heard in the headset.

- ▶ Start to talk. If redialling or voice dialling has failed (e.g. because there is no last dialled number stored in the phone, the call is rejected by the other party or the other party cannot be reached), a descending confirmation beep is heard in the headset.

Stopping redialling or voice dialling*

- ▶ To stop dialling during a redialling or voice dialling attempt, press the Play/Pause button . A descending confirmation beep is heard in the headset. Then either redialling or voice dialling is ended.




Transferring an active call from the mobile phone to the headset*

- ▶ Refer to the manual of your mobile phone for information on how to transfer the call audio from your mobile phone to the headset. *these functions must be supported by the mobile phone

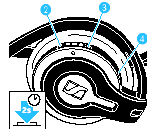
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Using the MM 100


Transferring an active call from the headset to the mobile phone*

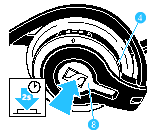
- ▶ Press and hold either the Next button  or the Prev. button  for 2 seconds. A low confirmation beep is heard in the headset. The call audio is transferred to the mobile phone.

*these functions must be supported by the mobile phone



Muting/unmuting the headset's microphone

To mute the headset's microphone during a call:

- ▶ Press and hold the Play/Pause button  for 2 seconds. A low mute indication signal is heard in the headset every 4 seconds while the microphone is muted.



To unmute the headset's microphone:

- ▶ Press and hold the Play/Pause button  for 2 seconds. A low confirmation signal is heard in the headset. The microphone works as usual.

Changing the volume

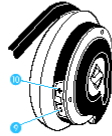
The headset manages 3 different volume settings independently of each other:

1. The audio volume can be changed as long as the headset plays audio.

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Using the MM 100

2. The volume of the other party can be changed as long as a telephone call lasts.
3. The volume of the headset ring tone can be changed:
 - when the mobile phone rings
 - or when audio playback is paused.



After you have changed the headset ring tone volume, the ring tone is played once in the set volume.

The volumes can be adjusted in 12 steps. When the minimum or maximum volume is reached, a high indication signal is heard in the headset.

- ▶ To increase the volume step-by-step, press the Volume up button ①.
- ▶ To reduce the volume step-by-step, press the Volume down button ②.
- ▶ To change the volume continuously, press and hold the respective volume button.

If you are out of the transmission range

Phoning and audio streaming is only possible in the **Bluetooth** transmission range of the mobile phone or **Bluetooth** device, respectively. 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 most mobile phones or **Bluetooth** devices is up to 10 metres.

If the headset leaves the transmission range of the mobile phone or **Bluetooth** device:

- The sound quality deteriorates before the connection finally breaks down.
- Your mobile phone or **Bluetooth** device displays the loss of connection.
- Please refer to your mobile phone or **Bluetooth** device manual for information on whether the call is automatically transferred to the mobile phone or **Bluetooth** device or requires an acknowledgement to do so.

When there is a loss of connection, an descending alert signal is heard in the headset.

Depending on the connection maintained, the headset will then go into idle mode (no connection maintained) or standby mode (HFP/HSP connection maintained) or streaming mode (A2DP connection maintained).

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Cleaning and maintaining the MM 100

Cleaning and maintaining the MM 100

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.

Cleaning the headset

- ▶ Only clean with a dry cloth. Do not use any liquids, solvents or cleaning agents.

Storing the headset

If you do not use the headset for extended periods of time:

- ▶ Charge the built-in rechargeable battery every 6 months for about 1 hour.
- ▶ Store the headset in a clean and dry environment.

Replacing the earpads

For reasons of hygiene, the ear pads should be replaced from time to time. Spare ear pads are available from your Sennheiser Communications dealer. A pair of ear pads is already mounted to the speaker baffle.

- ▶ Carefully remove the ear pads from the speaker baffle.
- ▶ Mount the new ear pads to the speaker baffle.



Replacing the battery

The rechargeable battery have a limited number of charge cycles and may eventually need to be replaced. The MM 100 battery is not user replaceable. Please contact your Sennheiser Communications dealer if your battery needs to be replaced.

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Accessories

The following MM 100 accessories are available from your specialist dealer:

| | |
|-----------------|--|
| Art. No. | Accessory/spare part |
| 502309 | USB charging cable |
| 502310 | Power supply, EU version should use with USB charging cable (502309) together |
| 502311 | Power supply, UK version should use with USB charging cable (502309) together |
| 502312 | Power supply, US version should use with USB charging cable (502309) together |
| 504115 | Power supply, EU version |
| 504116 | Power supply, UK version |
| 504117 | Power supply, US version |
| 502313 | Car charging power supply |
| 504114 | HZP 16 spare ear pads, 1 pairs |

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Specifications

MM 100

| | |
|-----------------------------|---|
| Dimensions | 115 x 50 x 145 mm (W x H x D) |
| Weight | approx. 54 g |
| Listen time | 7.5 hrs |
| Talk time | 9 hrs |
| Charging time | before first use: 3 hrs following: 2.5 hrs |
| Range | 10 m |
| Speaker type | dynamïc, neodymium magnet |
| Microphone type | omni-directional electret microphone |
| Operating temperature range | 10 °C to + 40 °C |
| Storage temperature range | 10 °C to + 70 °C |

MM 100 power supply unit

| | |
|-----------------------------|--------------------|
| Nominal input voltage | 100 to 240 V~ |
| Nominal input current | max. 0.2 A |
| Mains frequency | 50 to 60 Hz |
| Nominal output voltage | 5 V=== |
| Nominal output current | max. 150 mA |
| Operating temperature range | 0 °C to + 45 °C |
| Storage temperature range | - 40 °C to + 85 °C |
| Relative humidity | 20 to 90 % RH |
| Weight | approx. 75 g |

Bluetooth

| | |
|------------------------|-----------------------|
| Bluetooth® | version 2.0 + EDR |
| Range | up to 10 m |
| Transmission frequency | 2.4 GHz |
| Protocols | HSP, HFP, A2DP, AVRCP |
| Codec | SBC |




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Manufacturer declarations


Manufacturer declarations
Warranty regulations

Sennheiser Communications 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

 This equipment is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 89/336/EC or 73/23/EC. Before putting the device into operation, please observe the respective country-specific regulations!

FCC statements

 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 device complies with Part 15 of the FCC Rules. 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.


Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.


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Manufacturer declarations

Batteries or rechargeable batteries

 The supplied batteries or rechargeable batteries can be recycled. Please dispose them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose of exhausted batteries.

WEEE Declaration

 Your Sennheiser Communications product was developed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime. Please dispose of this product by bringing it to your local collection point or recycling centre for such equipment. This will help to protect the environment in which we all live.

Trademarks

Sennheiser is a registered trademark of Sennheiser electronic GmbH & Co. KG. The **Bluetooth®** word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc.

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