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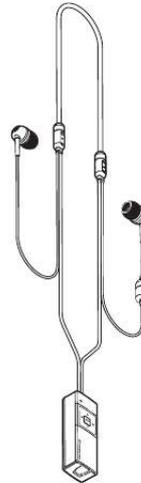
You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER MM 200. You'll find the answers to all your questions on the SENNHEISER MM 200 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual SENNHEISER MM 200**  
**User guide SENNHEISER MM 200**  
**Operating instructions SENNHEISER MM 200**  
**Instructions for use SENNHEISER MM 200**  
**Instruction manual SENNHEISER MM 200**



## MM 200 Bluetooth Stereo Headset

Instruction Manual



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*Manual abstract:*

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*17 LED indications.....*

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.. 51 1 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.

2 3 Important safety information The MM 200 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. · Keep the CD enclosing these instructions in a location where it is accessible to all users at all times. · Always include the warranty booklet and the CD with this instruction manual when you pass the MM 200 on to third parties. Intended use The MM 200 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 in dry environments. It is considered improper use when the MM 200 is used for

any application not named in these instructions, under operating conditions that deviate from those described in these instructions. General instructions  
Never disassemble or modify components of the MM 200.

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. 5 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 200 in dry places only and keep liquids and small electrically conductive parts away from the MM 200 and its connecting sockets. Do not expose the MM 200 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: 502310, UK: 502311, US: 502312), the compatible Sennheiser 6 Communications car charger unit (502313), a USB socket of a computer or other compatible Sennheiser Communications' charging units.

Never try to charge batteries other than the one in the MM 200 headset with the MM 200 power supply or car charger unit. Avoid listening at high volume levels for long periods since this leads to permanent hearing damage. 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.

During operation 7 After the usage period Dispose of the built-in batteries according to local regulations. Do not dispose as household waste. Safety instructions for Lithium-Polymer rechargeable batteries The MM 200 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.

8 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 mutilate or dismantle. Store the units/rechargeable batteries in a cool and dry place at room temperature (approx. 20 °). Only charge rechargeable batteries with the appropriate Sennheiser Communications chargers. When not using rechargeable batteries for extended periods of time, charge them regularly (every six months for about one hour).

9 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. Return defective units or units with defective rechargeable batteries to your specialist dealer. 10 Delivery includes 1 MM 200 Bluetooth stereo headset with built-in rechargeable Li-polymer battery 2 ear pads, size S 2 ear pads, size M (already mounted) 2 ear pads, size L 1 clothing clip (not mounted) 1 MM 200 power supply 1 USB charging cable 1 quick setup guide 1 warranty booklet 1 CD with instruction manual 11 Features A2DP stereo Bluetooth® headset with excellent sound quality Superb stereo sound, with high dynamics and excellent bass response Unobtrusive ear canal phones which effectively block out surrounding noise 3 ear pad sizes allow for superior individual fit and optimal acoustics Bluetooth 2.0 compatible with all Bluetooth 1.1, 1.2 and 2.0 devices that support the hands free (HFP), headset (HSP), or advanced audio distribution profile (A2DP) Multiple wearing options (lanyard and/or clothing clip) Multiple charging system (charging directly from USB) 12 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) Long battery life time up to 9 hours of music listening up to 11 hours of talk time up to 300 hours of standby time 13 Operating elements 3 » ° ¶ ç ' 2 3/4 · 3 1, µ 14 3 ear pads (removable) 3/4 operating unit µ socket for power supply (under strap) ear canal phones » microphone ç Play/Pause button ´ Next button 2 volume down button ¶ Prev.



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button ° volume up button , clothing clip (detachable, on the back side) 1 LED lanyard (removable) safety clip 15 USB plug USB cable charging plug USB socket power supply unit 16 Button overview Button to be pressed short To ... start or pause audio playback, accept or end a call, start searching mode switch on/off, reject a call, mute/unmute the microphone Page 37 37 24 24, 38 42 29 42 42 42 42 for 2 sec for 5 sec enter pairing mode short for 2 sec short for 2 sec increase the ring volume or audio volume by 1 step increase the ring volume or audio volume continuously reduce the ring volume or audio volume by 1 step reduce the ring volume or audio volume continuously 17 Button to be pressed short To ..

. skip forward/accept call Page 37/38 38 39, 41 30 37/38 38 41 40 30 reject a call for 2 sec redial\*, transfer calls between headset and mobile phone \* for 5 sec enter pairing mode short skip backward/accept call reject a call transfer calls between for 2 sec headset and mobile phone\* voice dial\* for 5 sec enter pairing mode \* this function needs to be supported by the mobile phone 18 LED indications Meaning during operation LED flashing Meaning during operation 0 blue and red 1s 2s pairing mode 0 3s 6s standby mode once every 3 seconds 0 1s 2s audio streaming mode glowing slowly every 4 seconds 0 1s 2s active call mode rapidly (once every second) 19 LED flashing Meaning during operation 0 1s 2s searching mode several times every second 0 1s 2s idle mode slowly (once every second) For a more detailed description of the LED indications, please see "Switching the headset on" on page 24. LED colour blue red Meaning during operation battery charge status OK low battery 20 Meaning during charging LED colour Meaning during charging 0 red 1s 2s charging mode 0 blue\* 1s 2s charging complete \* The LED switches off after 1 hour to save battery power. 21 Set up Charging the headset battery If you charge the battery for the first time, allow charging for at least 4 hours without interruption. Later, 3 hours will suffice to fully charge the battery.

If you charge the MM 200, it will stop any operation and go into charging mode. A fully charged battery provides a playback time of up to 9 hours or a standby time of up to 300 hours. When the battery is about to run flat: · All indications of the LED 1 turn red. · A low battery alert is heard in the headset. 22 There are two ways to charge the headset's built-in battery: 1. Via the MM 200 power supply unit 2. Via the USB socket of a computer Take off the headset and switch it off (see page 24). Connect the charging plug for power supply µ. to the socket to: Connect the USB plug either a USB socket of a computer of the power supply or the USB socket unit . Connect the power supply to the mains During charging, the LED 1 lights up red continuously.

When charging is complete, the LED 1 turns blue continuously for max. 1 hour. As long as the headset is connected to a power source, all operating buttons are blocked. 23 Switching the headset on To switch the headset on: Press and hold the Play/Pause button ζ for 2 seconds. @@Flashing in blue indicates that the battery/phone is switched on and Bluetooth visibility is enabled, · that the headset is switched off and placed close to the mobile phone (approx.

@@@button for 5 seconds. @@@@If pairing was successful, the LED 1 flashes slowly in blue. @@For details, please refer to the manual of the mobile phone. @@@@a mobile phone and a MP3 player. @@@@When the headset is in standby mode (i.

e. @@button ¶ for 5 seconds. @@@@Carefully remove the ear pads from the ear canal phones. Mount the new ear pads to the ear canal phones. The headset comes with ear pads in 3 different sizes: S, M and L.

@@The headset can draw off your attention. @@in traffic or when performing skilled jobs)! @@@@If inserted too far or without ear pads, the ear canal phones can injure your ear canals and ear drums. Mount the suitable ear pads (S, M or L) to the ear canal phones (see page 34). Never insert the ear canal phones without ear pads! Always insert and extract the ear canal phones very carefully and slowly! Do not insert the ear canal phones too deep into your ears! Always keep the ear canal phones dry. Carefully and slowly insert the ear canal phones · into your ears.

36 Listening to music If your Bluetooth device supports the audio/ video remote control profile (AVRCP), you can operate the audio player via a remote control. To ... 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. Press 37 Calling Provided the headset is switched on, paired and within the transmission range of a mobile phone (see page 29), you can accept and make calls with the MM 200. When you receive a call while listening to music, the music automatically pauses and starts playing again after the call has ended. Accepting a mobile phone call When you receive a call via your mobile phone you hear a ring tone in the headset. Press the Play/Pause button ζ or the Next button ´ or the Prev. button ¶.

A confirmation beep is heard in the headset. Audio streaming is automatically paused. Start to talk. Reject call Press and hold the Play/Pause button ζ or the Next button ´ or the Prev. button ¶ for 2 seconds. A confirmation beep is heard in the headset. The ringing stops. Depending on the settings 38 of the mobile phone or Bluetooth device, the call is either rejected or transferred to a voice mailbox. During the call, press the Play/Pause button ζ. A 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. Ending a call ¶ ´ ζ If you make a call from your mobile phone, any music playback is paused. A confirmation beep is heard in the headset. Dial the number on your mobile phone.

Redialling the last number dialled is only possible with certain mobile phones or Redialling the last number dialled Making a call 39 Bluetooth devices. Please refer to the manual of your mobile phone or Bluetooth device. Press the Next button ´ for 2 seconds. A confirmation beep is heard in the headset. The last dialled number is redialled.

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



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Press the Prev. button  $\mathbb{P}$  for 2 seconds. A 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, a 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  $\mathbb{P}$  40 in the phone, the call is rejected by the other party or the other party cannot be reached), a confirmation beep is heard in the headset. To stop dialling during a redialling or voice dialling attempt, press the Play/Pause button  $\zeta$ . A 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. Press and hold either the Next button  $\text{'}^$  or the Prev. button  $\mathbb{P}$  for 2 seconds. A 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 Stopping redialling or voice dialling  $\mathbb{P}$   $\zeta$ ; Transferring an active call from the headset to the mobile phone 41 Muting/unmuting the headset's microphone To mute the headset's microphone during a call: Press the Play/Pause button  $\zeta$  for 2 seconds.

A mute indication beep is heard in the headset every 4 seconds while the microphone is muted.  $\zeta$  To unmute the headset's microphone: Press the Play/Pause button  $\zeta$  for 2 seconds A confirmation beep is heard in the headset. The microphone works as usual. Changing the volume The headset manages 3 different volume settings independently of each other: 42 1. The audio volume can be changed as long as the headset plays audio.

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, an indication tone is heard in the headset. To increase the volume step-by-step, press the volume up button  $\text{°}$ . To reduce the volume step-by-step, press the volume down button  $\text{²}$ . To change the volume continuously, press and hold the respective volume button.  $\text{°}$   $\text{²}$  43 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 44 to the mobile phone or Bluetooth device or requires an acknowledgement to do so. · When there is a loss of connection, an alert tone 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). 45 Maintenance and care 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. 46 Accessories Art. no. 502309 502310 502311 502312 502313 512816 512815 512814 Accessories USB charging cable Power supply, EU version Power supply, UK version Power supply, US version Car charging power supply Spare ear pads L (5 pairs) Spare ear pads M (5 pairs) Spare ear pads S (5 pairs) 47 Specifications Specifications Dimensions Weight Power supply Listen time Talk time Charging time Range Speaker type Microphone type 20.

5 mm x 64 mm x 18,5 mm (W x H x D) 28 g without clothing clip 30 g with clothing clip input 100240 V AC, output 5 V DC, 150 mA 9h 11 h before first use: 4 hrs following: 3 hrs 10 m dynamic, neodymium magnet omni-directional electret microphone 48 Manufacturer declarations Warranty regulations The guarantee period for this Sennheiser Communications product is 24 months for the battery 6 months from the date of purchase. Excluded are accessory items, rechargeable or disposable batteries that are delivered with the product; due to their characteristics these products have a shorter service life that is principally dependent on the individual frequency of use. The guarantee period starts from the date of original purchase. @@@@@ Inappropriate usage (e.

g. @@The guarantee is void if the product is manipulated by nonauthorised persons or repair stations. In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee. The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee. 49 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 countryspecific 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.

g. @@The guarantee is void if the product is manipulated by nonauthorised persons or repair stations. In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee. The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee. 49 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 countryspecific 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.



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· 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. 50 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 user's authority to operate the equipment. This Class B digital apparatus complies with Canadian ICES-003. Batteries or rechargeable batteries The supplied batteries or rechargeable batteries can be recycled. Please dispose of 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.

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