



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER SKM 5200-II. You'll find the answers to all your questions on the SENNHEISER SKM 5200-II in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SENNHEISER SKM 5200-II
User guide SENNHEISER SKM 5200-II
Operating instructions SENNHEISER SKM 5200-II
Instructions for use SENNHEISER SKM 5200-II
Instruction manual SENNHEISER SKM 5200-II



[You're reading an excerpt. Click here to read official SENNHEISER SKM 5200-II user guide](http://yourpdfguides.com/dref/3539266)
<http://yourpdfguides.com/dref/3539266>

Manual abstract:

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 7 Putting the radio microphone into operation ..

.....
.....
.....
.....

.....

.... 9 Inserting, removing and changing the power pack .

.....
.....

.....

.... 9 Changing the microphone head .

.....
.....

.....
.....
.....
.....

.....
.....

. 11 Using the radio microphone

.....
.....
.....
.....

.....
.....
.....
.....

. 13 Switching the radio microphone on/off

.....
.....
.....

.....
.....

.... 13 Doing a frequency check .

.....
.....
.....
.....

.....
.....
.....
.....

... 14 The automatic lock mode (autolock function)

.....
.....
.....

..... 14 Identifying the radio microphone .

.....
.....
.....
.....
.....
.....
.....

..... 15 The operating menu ...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 16 The buttons

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 16 Overview of the operating menu ...

.....
.....
.....
.....
.....

. 17 Working with the operating menu

.....
.....
.....
.....

.....
.....

..... 17 Overview of the operating menu ...

.....
.....
.....

.....
.....
.....
.....

..... 21 Adjustment tips for the operating menu

.....
.....
.....

.....
.....
.....

..... 23 Selecting a channel "CHAN" ...

.....
.....
.....
.....

.....
.....
.....
.....

.. 23 Selecting the frequencies to be stored in the channel bank "VAR" "TUNE"

.....
.....
.....

.....
.....
.....
.....

..... 23 Entering a name "NAME"

.....
.....
.....

.....
.....
.....
.....

.... 25 Adjusting the microphone sensitivity "ATTEN" .

.....
.....
.....

.....
.....
.....

26 Adjusting the low-cut frequency "LOWCUT"

.....
.....
.....

.....
.....
.....

. 26 Selecting the standard display "VIEW"

.....
.....
.....
.....

..... 26 Loading the factory-preset default settings "RESET"

.....
.....

..... 27 Activating/deactivating the automatic lock mode "LOCK"

..... 27 Adjusting the output power "POWER" ...

.....
.....
.....

.....
.....
.....

... 28 Displaying the software revision "SW--REV"

.....
.....
.....

..... 28 Exiting the operating menu "EXIT" ..

.....
.....
.....
.....

.....
.....
.....

28 Maintenance and care

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

28 If problems occur

.....
.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.... 29 Accessories .

.....
.....

capable of accommodating extremely high sound pressure levels is also available. · Microphone sensitivity can be adjusted in steps of 1 dB.
· Tunable transmission frequencies ensure high flexibility in varying transmission situations. · Can be operated either on rechargeable or standard alkaline batteries with LC display (in percent) of charging status on suitable receivers. · Color-coded identification markers for quick and unambiguous identification.
· Signal-to-noise ratio typ. 110 dB(A) · Switchable low-cut filter · Up to 184 MHz switching bandwidth · Adjustable output power: 10 mW, 10 mW Low Intermodulation mode (LoI), 50 mW.

In Low Intermodulation mode (LoI), the intermodulation performance is significantly improved Information on the compander system This product is equipped with HiDynplus™, the Sennheiser noise reduction system that reduces RF interference. HiDynplus™ offers extreme operational reliability and ensures highest transmission quality. 4 The SKM 5200-II radio microphone The channel bank system The transmitter is available in four UHF frequency ranges with up to 184 MHz switching bandwidth: Range 2 (N-US) 614697,9 MHz Range 2 (N) 614 798 MHz Range 1 (L) 470 638 MHz 400 500 600 700 Range 3 (P) 776 866 MHz 800 900 MHz The transmitter has two frequency banks: Channel Frequency bank "FIX" 1 2 ... max. 59 "VAR" The transmission frequencies are The transmission factory-preset (see enclosed frequency frequencies can be table) and cannot be changed. freely selected within the switching bandwidth. Optimized for maximum transmission reliability Additionally available nels in Low Intermodulation mode The factory-preset frequencies within the frequency bank "FIX" are interference and intermodulation-free. Set all transmitters of your multi-channel system to different channels within the frequency bank "FIX". 5 Delivery includes Variants · · · SKM 5200-II (hematite-colored housing) SKM 5200 BK-II (black housing) SKM 5200 NI-II (nickel-colored housing) Suitable receivers · · · · EM 1046 system EM 3532, EM 3031, EM 3032 EK 3041, EK 3241 EM 3731, EM 3732, EM 3732 COM EM 3731-II, EM 3732-II, EM 3732 COM-II Delivery includes 1 1 9 1 1 1 radio microphone transmitter body (microphone head and power pack to be ordered separately) MZQ 3072 quick release clamp color-coded identification markers instructions for use frequency table RF licensing information sheet 6 Product overview Product overview Overview of the SKM 5200-II radio microphone 3 · » RF AF CH dB MHz ζ ² μ ¶ ° SET DOWN UP ´ Operating controls ³ Screw-on microphone head (not included in the delivery) · Body of radio microphone » Power pack (not included in the delivery) ζ Battery compartment locking mechanism ´ Antenna ² LC display ¶ Multi-function switch with three switch positions: (DOWN), (UP) and (SET) ° ON/OFF button (red) with ESC function (cancel) ¾ Color-coded identification marker μ LED ON/LOW BATT: operation and battery status indication, green LED LC display panel Alphanumeric display Level display for audio signal "AF" "RF" appears when an RF signal is transmitted Lock mode icon "MHz" appears when the frequency is displayed "dB" appears when the microphone sensitivity is displayed "CH" appears when the channel number is displayed 7 Product overview Display backlighting When the lock mode is deactivated, the display remains backlit for approx.



[You're reading an excerpt. Click here to read official SENNHEISER SKM 5200-II user guide](http://yourpdfguides.com/dref/3539266)
<http://yourpdfguides.com/dref/3539266>

20 seconds after pressing a button. Operation and battery status indication The LED ON/LOW BATT μ provides information on the current operating state of the radio microphone: μ LED ON/LOW BATT μ ...

Meaning ... lights up normally The radio microphone is switched on and the capacity of the power pack is sufficient (ON). ... is flashing The power pack is going flat (LOW BATT)! 8 Putting the radio microphone into operation Putting the radio microphone into operation Inserting, removing and changing the power pack For powering the radio microphone, you can either use the Sennheiser B 5000-2 battery box (1.5 V AA size batteries) or the rechargeable Sennheiser BA 5000-2 battery pack. For regular use, we recommend using the environmentally friendly rechargeable BA 5000-2 battery pack.

For battery pack operation of the radio microphone, only use the BA 5000-2 battery pack in order to ensure optimum operational reliability. Batteries and rechargeable battery cells have different discharging curves. The radio microphone is able to identify the BA 5000-2 battery pack and to use its capacity to the full. Individual rechargeable battery cells in the B 5000-2 battery box will not be identified as battery packs. Inserting the power pack Open the locking mechanism ζ by moving it in the direction of the arrow.

ζ Insert the power pack into the radio microphone. Push the power pack towards the microphone head. Close the locking mechanism ζ by moving it in the direction of the arrow. ζ Removing the power pack ζ Open the locking mechanism ζ by moving it in the direction of the arrow. Push the power pack towards the antenna.

You can now remove the power pack. 9 Putting the radio microphone into operation After you have changed the power pack, the radio microphone continues operating on exactly the same settings as before the change. Stored settings are retained in memory on switch-off. Inserting batteries into the B 5000-2s on an unwanted frequency after switch-on. ? ? ? When switching on the device, keep the ON/OFF button ? depressed. The RF signal is deactivated. The current frequency is displayed on the LC display panel ? . If the displayed frequency is the wanted frequency: RF MHz Release the ON/OFF button ? . After five seconds the "RF" icon appears and the radio microphone starts transmitting. If you want to select another frequency, proceed as follows: Release the ON/OFF button ? .

Within 5 seconds, change to the setting mode of the "CHAN" or "TUNE" menu. Change the transmission frequency (see "Adjustment tips for the operating menu" on page 23.). The automatic lock mode (autolock function) The radio microphone has a lock mode that prevents that the radio microphone is accidentally programmed while operating. @@ Slide the multi-function switch || to the position (UP) or ? . "UNLOCK" appears on the display panel ? . Press the multi-function switch || (switch position SET). @@@@@ To change to the selection mode, the lock mode must be deactivated. @@@@@ After a few seconds, the display returns to the standard display. @@@@@ You can now select the menu whose settings you want to adjust. @@@@@ the display cycles continuously. @@@@@ "STORED" appears on the display panel ? , indicating that the setting has been stored. The display then returns to the top menu level. With most menus, new settings become effective immediately without having to be stored. An exception are the "TUNE" and "CHAN" menus.

With these menus, new settings only become effective after they have been stored ("STORED" appears on the display panel ? , indicating that the setting has been stored). Exiting the operating menu ? Select the "EXIT" menu to exit the operating menu and to return to the standard display. When in the operating menu, pressing the ON/OFF button ? will cancel your entry (ESC function) and return you to the standard display with the last stored settings. 20 The operating menu Overview of the operating menu Deactivate the lock mode before adjusting the settings (see "Deactivating the autolock function temporarily" on page 15). Pressing the ON/OFF button ? will cancel your entry (ESC function) and return you to the display mode.

Display mode MHz Selection mode Setting mode 776.000 1 Sec. CH MHz Transmission frequ. SET/ ON SET CHAN CH 1 Sec. RF SET VAR. 20 CH / : Channel FIX. 01 CH / : Channel FIX.01...

59 SET: Stores the setting Current channel bank Changing the channel bank and the channel VAR.01...20 STORED Keep SET pressed SET SET VAR. 20 CH CH SET TUNE MHz RF Current channel, that can be changed Current frequency on the selected channel Setting the frequencies for the channels of channel bank "VAR" VAR. 20 CH CH Current channel VAR. 01 CH CH / : VAR.01..

.20 1 Sek. SET 776.000 MHz Current frequency on the selected channel 776.000 MHz Current frequency on the selected channel 776.

005 MHz / : Sets the frequency in 5-kHz-steps SET: Stores the setting 776.005 MHz / : Sets the frequency in 5-kHz-steps SET: Stores the setting RF SET RF Current name NAME SET STORED RF SET VOCAL RF Current name SET LOCAL RF Assigning a name STORED IIIIIII dB RF AF SET ATTEN RF 21 The operating menu Display mode VOCAL RF Selection mode NAME RF Setting mode IIIIIII Current modulation RF AF SET ATTEN Adjusting the attenuation RF SET 12 dB Current attenuation RF 13 dB RF / : Adjusts the attenuation in 1-dBsteps, -40...0 dB dB SET Current attenuation SET STORED SET LOWCUT RF SET Hz 120 RF Hz 190 RF Hz Current low cut frequency Adjusting the low-cut-frequency Current low-cut-frequency FLAT, 120 Hz, 190 Hz STORED SET RF VIEW RF SET FREQ NAME CH FREQ, CHAN, NAME / : RF CHAN CH FREQ, NAME, CHAN / : RF Selecting the standard display Current standard display STORED SET RF RESET RF SET RST.

NO Security check RST. OK OK, NO "reset" = OK: /: RF Loading the factory-preset default settings SET loads factory-preset default settings, standard display appears "reset" = NO : SET: Reset is cancelled SET: radio microphone LOCK RF SET LOC. ON Current Setting RF LOC. OFF RF /: Setting the autoloc-function LOC.ON LOC.OFF STORED SET POWER RF SET PWR.LO Current output power Adjusting the output power Current setting SET PWR.HI PWR.LoI PWR.LO PWR.

LoI PWR.HI PWR.LO STORED VAR. 01 dB RF SW--REV RF SET NET.200 Displaying the software revision current software revision SET EXIT RF Exiting the operating menu MHz 22 Adjustment tips for the operating menu Adjustment tips for the operating menu When setting frequencies on the bodypack transmitter, please observe the following: Make sure that the desired frequencies are listed in the enclosed frequency table.



[You're reading an excerpt. Click here to read official SENNHEISER SKM 5200-II user guide](http://yourpdfguides.com/dref/3539266)
<http://yourpdfguides.com/dref/3539266>

Make sure that the desired frequencies are approved and legal in your country and, if necessary, apply for an operating license. Selecting a channel "CHAN" Via the "CHAN" menu, you can switch between the channels in the channel banks "FIX" and "VAR". The radio microphone is not transmitting while this adjustment is being made. When changing to the setting mode of the "CHAN" menu, the current channel number appears on the display. After approx. 1 second, the currently assigned frequency is displayed. 1 sec. CH CH CH MHz To select a different channel, slide the multi-function switch ¶ to the position (UP) or (DOWN). The new channel number appears on the display panel 2 for approx. 1 second and then the currently assigned frequency is displayed. Only after the new setting has been stored ("STORED" has appeared on the display panel 2) does the transmitter operate on the transmission frequency of the new channel. Selecting the frequencies to be stored in the channel bank "VAR" "TUNE" Via the "TUNE" menu, you can freely select the frequencies to be stored in the channel bank "VAR" (variable bank). The radio microphone is not transmitting while this adjustment is being made. 23 Adjustment tips for the operating menu When you have selected the channel bank "FIX" and then select the "TUNE" menu, the radio microphone automatically switches to channel 01 of the channel bank "VAR" and "VAR" briefly appears on the display panel 2. The transmission frequencies are tunable in 5-kHz steps within a switching bandwidth of 184 MHz max.

When operating a multi-channel system, make sure to only use intermodulation-free frequencies. There are two options for setting the frequencies: · You can set a new frequency for the selected channel: UP SET ¶ DOWN CH In the selection mode of the "TUNE" menu, press the multi-function switch ¶ (switch position SET). The current channel number appears on the display and then the currently assigned frequency is displayed. CH MHz Change the frequency by sliding the multifunction switch ¶ to the position (UP) or (DOWN). Store your setting. MHz · You can change to a different channel and set a new frequency for the new channel: UP SET Press the multi-function switch for a longer time ¶ (switch position SET). The current channel flashes on the display. ¶ DOWN Select a new channel by sliding the multifunction switch ¶ to the position (UP) or (DOWN). Confirm your selection by pressing the multifunction switch (switch position SET). CH RF CH CH 24 Adjustment tips for the operating menu CH MHz The current frequency of the selected channel is displayed.

Change the frequency by sliding the multifunction switch ¶ to the position (UP) or (DOWN). Store your setting. MHz Entering a name "NAME" Via the "NAME" menu, you can enter a freely selectable name for the radio microphone. This name can be displayed on the standard display and can consist of up to six characters such as: · letters (without pronunciation marks), · numbers from 0 to 9, · special characters and spaces. After you have changed to the setting mode of the "NAME" menu, the first segment starts flashing on the display. UP SET ¶ DOWN Slide the multi-function switch ¶ to the position (UP) or (DOWN) to select a character. (By sliding the switch only once, the next or the previous character is displayed. If you keep the switch slid, the characters change in quick succession.) Press the multi-function switch ¶ (switch position SET) to change to the next segment. Have you entered the name completely? Press the multi-function switch ¶ (switch position SET) to store your setting.

"STORED" appears on the display panel 2. 25 Adjustment tips for the operating menu Adjusting the microphone sensitivity "ATTEN" Via the "ATTEN" menu, you can adjust the radio microphone's sensitivity by changing its input attenuation. The input attenuation is correctly adjusted when the level display for audio signal "AF" shows full deflection only during the loudest passages. The input attenuation can be adjusted in 1-dB steps from 40 dB to 0 dB. RF AF dB The bargraph has a resolution of approx.

3 dB per segment with a display range of 45 dB. Adjusting the low-cut frequency "LOWCUT" To reduce unwanted low-frequency noise such as engine, wind and rumble noise, you can activate a low-cut filter. The low-cut frequency can be set to 190 Hz or 120 Hz. If you do not want to reduce low-frequency signal portions, select the setting "FLAT". Selecting the standard display "VIEW" Via the "VIEW" menu, you can select one of the following standard displays: RF RF RF CH MHz CH CH Transmission frequency Channel "FREQ" "CHAN" Name "NAME" The selected standard display is shown · after switch-on, · after the menu settings have been displayed in display mode.

26 Adjustment tips for the operating menu Loading the factory-preset default settings "RESET" Via the "RESET" menu, you can load the factory-preset default settings. After the reset, the standard display is shown on the display panel 2. Function Low-cut frequency Microphone sensitivity Name Standard display Autolock function Channel Output power Setting "FLAT" "20 dB" "5200" frequency deactivated "FIX 01" "PWR.HI" Frequencies in the channel bank "VAR" are reset Activating/deactivating the automatic lock mode "LOCK" The radio microphone has an autolock function (automatic lock mode) that can be activated or deactivated via the "LOCK" menu. When the autolock function is activated, the lock mode is automatically activated 10 seconds after pressing the last button. The lock mode protects the radio microphone from accidental programming. For daily use, we would recommend activating the autolock function. UP SET ¶ DOWN RF In the selection mode of the "Lock" menu, press the multi-function switch ¶ (switch position SET). The current setting of the autolock function is displayed. Change the setting by sliding the multi-function switch ¶ to the position (UP) or (DOWN).

Select "LOC.ON" to activate the autolock function or select "LOC.OFF" to deactivate the autolock function. Store your setting. RF 27 Maintenance and care Adjusting the output power "POWER" The radio microphone features switchable output power. With reduced output power, the operating time increases.



[You're reading an excerpt. Click here to read official SENNHEISER](http://yourpdfguides.com/dref/3539266)

[SKM 5200-II user guide](http://yourpdfguides.com/dref/3539266)

<http://yourpdfguides.com/dref/3539266>

In addition, you can also adjust the radio microphone to "Low Intermodulation mode" ("LoI"). By so doing, the radio microphone's intermodulation performance is significantly improved, especially in multi-channel operation. In "Low Intermodulation mode", the output power is reduced to 10 mW; the operating time will be about the same as using an output power of 50 mW. Displaying the software revision "SW-REV" You can display the current software revision of the radio microphone by calling up the "SW--REV" menu item.

Exiting the operating menu "EXIT" Via the "EXIT" menu, you can exit the operating menu and return to the standard display. When in the operating menu, briefly pressing the ON/OFF button ° will cancel your entry (ESC function) and return you to the standard display without saving any changes. Maintenance and care CAUTION! Liquids can damage the electronics of the radio microphone! Liquids entering the housing of the device can cause a short-circuit and damage the electronics. Keep all liquids away from the radio microphone. Use a cloth to clean the radio microphone from time to time.

Do not use any solvents or cleansing agents. 28 If problems occur If problems occur Problem No operation indication Possible cause Batteries are flat or inserted incorrectly, battery pack is flat Lock mode is activated Possible solution Replace the batteries or check if they are inserted correctly or recharge the battery pack Deactivate the lock mode (see "Deactivating the autolock function temporarily" on page 15) Set transmitter and receiver to the same channel

Check the squelch threshold setting or reduce the distance between receiving antenna and transmitter Do not clasp the antenna section see "Adjusting the microphone sensitivity "ATTEN"" on page 26 Increase the line output level see "Adjusting the microphone sensitivity "ATTEN"" on page 26 Reduce the line output level Transmitter cannot be switched off/ Settings cannot be changed Receiver: No RF signal Transmitter and receiver are not on the same channel Transmitter is out of range Weak signal Audio signal has a high level of background noise Audio signal is distorted Antenna signal is attenuated Transmitter's input attenuation is adjusted too high Receiver's output level is adjusted too low Transmitter's input attenuation is adjusted too low Receiver's output level is adjusted too high If problems occur that are not listed in the above table or if the problems cannot be solved with the proposed solutions, please contact your local Sennheiser agent for assistance. @@@@ @140 mA (10 mW) at 2.4 V PWR.HI: approx.

195 mA (50 mW) at 2.4 V PWR.LoI: approx. 195 mA (10 mW) at 2.4 V with B 5000-2: PWR.LO: approx. 13 hrs PWR.HI: approx. 7 hrs 30 min PWR.LoI: approx.

@@deviation) AF frequency response Noise reductions system Low-cut frequency (3 dB) Sensitivity Power consumption (without LC display illumination)

Operating time 31 Specifications with BA 5000-2: PWR.LO: approx. 12 hrs 40 min PWR.HI: approx. 7 hrs 20 min PWR.LoI: approx. 7 hrs 20 min

Dimensions Weight length: 200 mm (without microphone head), 35.5 mm approx. 300 g incl. BA 5000-2, without microphone head Operating conditions Ambient temperature Relative humidity Power supply 10 °C to +55 °C max.

90 % (non condensing) B 5000-2 battery box (1.5 V AA size batteries) or rechargeable Sennheiser BA 5000-2 battery pack Storage and transport conditions

Ambient temperature Relative humidity Shock test 25 °C to +70 °C max. 90 % shock test according to IEC 68 or EN 60068, T2-27 In compliance with Europe

EMC Radio Safety EN 301489-1/-9 EN 300422-1/-2 EN 60065 EN 62311 (SAR) Approved by Canada Industry Canada RSS-123 IC: 2099A-SKM5200A2 limited to 698 MHz FCC-Part 74 FCC ID: DMOSKM5200A2 limited to 698 MHz USA 32 Manufacturer Declarations Manufacturer Declarations Warranty Sennheiser electronic GmbH & Co. KG 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. In compliance with · · RoHS Directive (2002/95/EC) Battery Directive (2006/66/CE) 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.

CE Declaration of Conformity · · 0682 R&TTE Directive (1999/5/EC) The declarations are available at www.sennheiser.com. Before putting the device into operation, please observe the respective country-specific regulations. Statements regarding FCC and Industry Canada 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. 33 Manufacturer Declarations · · 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 device 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. Before putting the device into operation, please observe the respective country-specific regulations! 34 Sennheiser electronic GmbH & Co. KG Am Labor 1, 30900 Wedemark, Germany www.sennheiser.

com Publ. 03/10 532899/A01 .



[You're reading an excerpt. Click here to read official SENNHEISER SKM 5200-II user guide](http://yourpdfguides.com/dref/3539266)
<http://yourpdfguides.com/dref/3539266>