



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER SKP 3000-U. You'll find the answers to all your questions on the SENNHEISER SKP 3000-U in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SENNHEISER SKP 3000-U
User guide SENNHEISER SKP 3000-U
Operating instructions SENNHEISER SKP 3000-U
Instructions for use SENNHEISER SKP 3000-U
Instruction manual SENNHEISER SKP 3000-U

 **SENNHEISER**

SKP 3000
Instructions for use



[You're reading an excerpt. Click here to read official SENNHEISER SKP 3000-U user guide](http://yourpdfguides.com/dref/3870351)
<http://yourpdfguides.com/dref/3870351>

Manual abstract:

Over half a century 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 product quickly and to the fullest. 34 Contents Safety instructions

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

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

. Delivery includes

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

.... The SKP 3000 plug-on transmitter

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

..... HiDyn plus noise reduction

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

Operating controls

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

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

Indications and displays

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

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

Putting the SKP 3000 into operation

.....
.....

..... The operating menu ...

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

.....
.... Working with the operating menu

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

..... Operating menu of the plug-on transmitter

.....
.....

Adjustment tips for the operating menu

.....
Troubleshooting

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

.... @@@@ @@@@ If units are opened by customers in breach of this instruction, the warranty becomes null and void.

Use the SKP 3000 plug-on transmitter in dry rooms only. Delivery includes ! 1 SKP 3000 plug-on transmitter ! 2 AA size batteries, 1.5 V ! Instructions for use
36 The SKP 3000 plug-on transmitter The SKP 3000 transmitter permits wireless transmission with studio-quality sound. The use of further optimised PLL
and microprocessor technology and the HiDyn plus noise reduction system ensure interference-free transmission. The transmitter can be supplied in nine
frequency ranges within the UHF band and with a frequency grid of 5 kHz.

Please note: Frequency usage is different for each country. Your Sennheiser agent will have all the necessary details on the available legal frequencies for
your area. Range A B C D E Frequency range 518 to 554 MHz 626 to 662 MHz 740 to 776 MHz 786 to 822 MHz 830 to 866 MHz Range F G H I Frequency
range 556 to 592 MHz 576 to 612 MHz 670 to 706 MHz 696 to 732 MHz The plug-on transmitter has two channel banks with up to 20 switchable channels
each. The channels of the channel bank "FIX" (Fixed Bank) are factory-preset to customer specific transmission frequencies. These transmission frequencies
cannot be changed but have been preset so that e.g. country-specific regulations on frequency usage are taken into account. The channel bank "VAR"
(Variable Bank) allows you to store your selection of transmission frequencies that are freely selectable within the preset frequency range. Please note, 37
however, that the channel bank "VAR" is factory-preset to the same frequencies as the channel bank "FIX". The transmitter can be combined with the rack-
mount and bodypack receivers of the 3000 and 5000 series (e.

g. EM 3252, EM 3032, EM 3031, EK 3041, EM 1046). The balanced XLR input allows the connection of ! dynamic microphones, ! condenser microphones
with internal power supply and ! condenser microphones that require 48 V phantom powering. HiDyn plus noise reduction This transmitter is equipped with
HiDyn plus the Sennheiser noise reduction system that reduces RF interference. It increases the signal-to-noise ratio in wireless audio transmission to more
than 114 dB. 38 HiDyn plus is a wideband compander system which compresses the audio signal in the transmitter in a ratio of 2:1 (related to dB). In the
receiver the signal is expanded in an identical and opposite way in a 1:2 ratio to restore the original signal. HiDyn plus has been specially developed for high
quality radiomicrophone systems. Note: Only transmitters and receivers that are equipped with HiDyn plus can work correctly with each other. If non HiDyn
plus equipment was mixed with HiDyn plus, the dynamic range would be drastically reduced and the transmission would sound blunt and flat.

HiDyn plus is permanently active and cannot be switched off. 39 Operating controls 3 · »; ° ¼ µ ³ Microphone input, XLR-3F socket (balanced) ·
Mechanical locking ring of XLR-3 socket » LC display ¿ SET button ² button (DOWN) button (UP) ¶ Red LED for operation and battery status indication
(ON/LOW BAT) ° ON/OFF button (serves as the ESC (cancel) key in the operating menu) ¾ Battery compartment cover µ MUTE switch 40 Indications and
displays LC display panel Alphanumeric display "B.CH" appears when the channel bank and the channel number are displayed "MHz" appears when the
frequency is displayed Battery status display Lock mode icon (lock mode is activated) "MUTE" display (audio input is muted) 7-step level display for audio
signal "AF" with "Peak-Hold" function 41 Operation and battery status indication The red LED (LOW BAT/ON) ¶ provides information on the current
operating state of the plug-on transmitter: ¶ The plug-on transmitter is switched on. The capacity of the batteries/BA 2015 accupack is sufficient. Red LED
flashing: The batteries are/the BA 2015 accupack is going flat (LOW BAT)! In addition, the 4-step battery status display on the display panel provides
information on the remaining battery/BA 2015 accupack capacity: 3 segments: capacity approx.

100 % 2 segments: capacity approx. 70 % 1 segment: capacity approx. 30 % Battery icon flashing: LOW BAT Display backlighting After pressing a button,
the display remains backlit for approx. 15 seconds. Red LED lit up: 42 Putting the SKP 3000 into operation Inserting and replacing the batteries For
powering the plug-on transmitter, you can either use two 1.

5 V AA size batteries or the rechargeable Sennheiser BA 2015 accupack. ¾ Slide the battery compartment cover in the direction of the embossed arrow until it
clicks audibly and open the cover. ¾ Insert the two batteries or the BA 2015 accupack as shown below. Please observe correct polarity when inserting the
batteries/accupack. Close the battery compartment. The battery compartment cover locks into place with an audible click. Note: For accupack operation of
the transmitter, only use the BA 2015 accupack in order to ensure optimum operational reliability. Batteries and rechargeable battery cells have different
discharging curves. The transmitter is able to identify the BA 2015 accupack and to use its capacity to the 43 full. The transmitter adapts the battery status
display according to the type of power supply used (batteries or accupack) and ensures correct transmission of battery status information to the receivers.

Individual rechargeable battery cells will not be identified as accupacks. Plugging the plug-on transmitter onto a microphone ³ · Unscrew the locking ring by
turning it fully counter-clockwise (XLR-3 socket is unlocked). Plug the transmitter's XLR-3F socket onto the microphone's XLR-3M socket. @@ The red LED
¶ lights up. @@@@ @@@@ @@@@ The last selected menu flashes on the display. Selecting a menu Press the / buttons to select a menu.
@@@@ @@@@@ Storing a setting Press the SET button to store the setting. @@ The display then returns to the top menu level.

@@@@@@@@@ON Phantom powering activated or deactivated / PTM.



[You're reading an excerpt. Click here to read official SENNHEISER SKP 3000-U user guide](#)
<http://yourpdfguides.com/dref/3870351>

OFF : ON, OFF SET: Stores the setting he standard display: "FREQ" "NAME" "CHAN" Entering a name NAME Via the "NAME" menu, you can enter a freely selectable name for the transmitter.

@ @letters (without pronunciation marks), ! numbers from 0 to 9, ! special characters e. g. () - . @ @The first segment starts flashing on the display. 54 With the / buttons you can now select a character.

@ @If you hold down a button, the display starts cycling continuously. @ @Have you entered the name completely? Press the SET button to store your setting and to return to the top menu level. Activating/deactivating the lock mode LOCK Via the "LOCK" menu, you can activate or deactivate the lock mode. The lock mode prevents that the transmitter is accidentally programmed or switched off during operation. The lock mode icon on the display indicates that the lock mode is activated.

To deactivate the lock mode, first press the SET button and then press the / buttons to select "LOC.OFF". If you confirm your selection by pressing the SET button, the buttons can be operated as usual. Exiting the operating menu EXIT Via the "EXIT" menu, you can exit the operating menu and return to the standard display. 55 Troubleshooting Error checklist Problem Possible cause Possible solution Replace the batteries or check if they are inserted correctly or recharge the accupack No operation Batteries are flat or indication inserted incorrectly, accupack is flat Receiver: No RF signal Transmitter and Set transmitter and receiver are not on the receiver to the same same channel channel Transmitter is out of range Check the squelch threshold setting or reduce the distance between transmitter and receiving antenna Receiver: RF signal available, no audio signal Audio signal has a high level of background noise Transmitter is muted Deactivate the muting (MUTE) function Receiver's squelch Reduce the squelch threshold is adjusted threshold too high Transmitter see "Adjusting the sensitivity is adjusted sensitivity SENSIT" on too low page 53 Receiver's AF output level is adjusted too low Increase the audio output level 56 Audio signal is distorted Transmitter see "Adjusting the sensitivity is adjusted sensitivity SENSIT" on too high page 53 Receiver's AF output level is adjusted too high Reduce the AF output level 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. Tips for optimum reception ! Transmission range depends to a large extent on location and can be up to 150 m. There should be a "free line of sight" between transmitting and receiving antennas. ! To avoid overmodulating the receiver, observe a minimum distance of 5 m between transmitting and receiving antennas. Tips for multi-channel operation ! When operating a multi-channel system, make sure to only use frequencies that are intermodulation-free. 57 Care and maintenance Use a slightly damp cloth to clean the transmitter from time to time.

Note: Do not use any cleansing agents or solvents. 58 Specifications RF characteristics Modulation Frequency ranges wideband FM 518554, 626662, 740-776, 786822, 830866, 556592, 576612, 670706, 696732 MHz 1 channel bank with up to 20 channels (frequencies according to customer specifications) 1 channel bank with up to 20 freely selectable channels (tunable in steps of 5 kHz) 36 MHz ± 40 kHz / ± 56 kHz ± 10 ppm typ. 30 mW Transmission frequencies Switching bandwidth Nominal/peak deviation Frequency stability RF output power at 50 AF characteristics Noise reduction system AF frequency response S/N ratio (at 1 mV and peak deviation) Sennheiser HiDyn plus 6020,000 Hz 114 dB(A) (at the receiver output) 59 Nominal input sensitivity 0 dB, 22 mV (at nominal deviation and 1 kHz) 10 dB, 70 mV 20 dB, 220 mV 30 dB, 700 mV 40 dB, 2,0 V 50 dB, 2,0 V (limited by a protective circuit) Max. input voltage (at peak deviation) 2.8 Vrms THD (at nom. deviation and 1 kHz) 0,3 % Overall unit Power supply Microphone phantom powering Max. power consumption: 2 AA size batteries, 1.5 V or BA 2015 accupack 48 V ± 4 V (at 2 mA) approx. 190 mA approx. 280 mA 250 μ A Battery >8 h >5 h BA 2015 >8 h >5 h ! at nominal voltage (2.

4 V) ! with switched-on phantom powering ! with switched-off transmitter Operating time: ! with switched-off phantom powering ! with switched-on phantom powering Temperature range Dimensions [mm] Weight (incl. batteries) 10 °C to +55 °C 105 x 43 x 43 approx. 195 g 60 Accessories BA 2015 L 2015 POP 1 Accupack Charger for BA 2015 accupack Plug-on pouch 61 EG-Konformitäts-Erklärung / EC Certificate of Conformity Déclaration de conformité pour la CEE Certificato di conformità comunitario Declaración de Conformidad / EG-Conformiteitsverklaring SENNHEISER electronic GmbH & Co. KG Am Labor 1, D-30900 Wedemark erklären, dass die Produkte déclarations que ces appareils dichiara che questi apparecchi SKP 3000 declare that these devices declaramos que estos aparatos verklaren, dat deze toestelen Plug-On-Transmitter den einschlägigen Anforderungen der EG-Richtlinie 89/336/EEC bzw. der R&TTE-Direktive 1999/5/EC entsprechen.

Zur sachgemäßen Umsetzung der in den EG-Richtlinien genannten Anforderungen wurden folgende Normen herangezogen: conform to the basic requirements of EEC Directive 89/336/EEC resp. R&TTE Directive 1999/5/EC. To effect correct application of the requirements stated in the EEC Directives, the following standards were consulted: sont conformes aux prescriptions fondamentales dans la Directive de la CEE 89/336/EEC or la Directive R&TTE 1999/5/EC. Pour mettre en pratique dans la règle de l'art les prescriptions des Directives de la CEE, il a été tenu compte des normes suivantes: 182 complen los requimientos básicos de la normativa de la CEE 89/ 336/EEC resp. de la normativa R&TTE 1999/5/EC.

Con il fin de realizar de forma adecuada los requirimientos referidos en las normativas de la CEE fueron consultadas las siguientes normativas: sono conformi alla normativa 89/336/EEC resp. alla normativa R&TTE 1999/5/EC. Per un'opportuno riscontro nell'ambito della normativa CEE sono state consultate le seguenti normative: overeenkomt met de basiseisen van de EG-Richtlijn 89/336/EEC resp. de EG-Richtlijn 1999/5/EC. Om de eisen, die in de EG-Richtlijnen vermeld zijn, in juiste vorm om te zetten, zijn van volgende normen gebruik gemaakt: ETS 300 445 ETS 300 422 Wedemark, Oct, 2003 Klaus Willemsen, Key Projects, Product Marketing 183 Bemerkung: Vor Inbetriebnahme sind die jeweiligen länderspezifischen Vorschriften zu beachten!

Important: Before putting the device into operation, please observe the respective country-specific regulations! Important: Avant d'utiliser l'appareil, veuillez observer les dispositions légales en vigueur dans votre pays.



[You're reading an excerpt. Click here to read official SENNHEISER SKP 3000-U user guide](http://yourpdfguides.com/dref/3870351)
<http://yourpdfguides.com/dref/3870351>

Nota: Prima della messa in funzione seguite le prescrizioni vigenti nel paese nel quale viene utilizzato! Observación: ¡Anterior a la puesta en funcionamiento deberán observarse las correspondientes ordenanzas nacionales! Opmerking: Voor inbedrijfstelling dient u de afzonderlijke landspecifieke voorschriften in acht te nemen! 184 ENGLISH The guarantee period for this Sennheiser product is 24 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. For this reason, we recommend that the sales receipt be retained as proof of purchase. @@@@Inappropriate usage (e.

g. @@@@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. 186 Sennheiser electronic GmbH & Co. KG 30900 Wedemark, Germany Phone +49 (5130) 600 0 Fax +49 (5130) 600 300

www.sennheiser.

com Printed in Germany Publ. 04/04 92174/A01 .



[You're reading an excerpt. Click here to read official SENNHEISER SKP 3000-U user guide](http://yourpdfguides.com/dref/3870351)
<http://yourpdfguides.com/dref/3870351>