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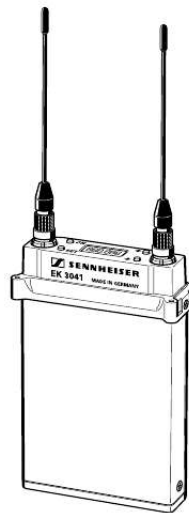
You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER EK 3041-U. You'll find the answers to all your questions on the SENNHEISER EK 3041-U in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual SENNHEISER EK 3041-U**  
**User guide SENNHEISER EK 3041-U**  
**Operating instructions SENNHEISER EK 3041-U**  
**Instructions for use SENNHEISER EK 3041-U**  
**Instruction manual SENNHEISER EK 3041-U**



Diversity-Empfänger  
**EK 3041-U**

Gebrauchsanleitung



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**Manual abstract:**

Please take a few moments to read these instructions carefully, as we want you to enjoy your new Sennheiser product quickly and to the full. The EK 3041-U is a miniature true diversity radiomicrophone receiver designed for use with the new digital ENG camcorders. It can be inserted in the slot-in facility of most professional camcorders such as the Philips LDK 120, Ikegami HI-77 or Sony SX. Together with a suitable Sennheiser UHF pocket or hand-held transmitter, a highly reliable radio link can be set up. Annoying noise is effectively suppressed by HiDyn plus®, the Sennheiser noise reduction system. Interchangeable mounting kits (for mounting the receiver into camcorders) ensure suitability for a great variety of applications. \* Special features Compact design Robust all-metal housing Easy to use due to menu-assisted operation Up to 32 pre-programmed receiving frequencies High transmission reliability due to true diversity reception HiDyn plus® noise reduction system with more than 100 dB signal-to-noise ratio Powered via camcorder or GA 3041-B power adaptor Indication of transmitter battery status\* („Low battery") Mounting kits available for all current professional camcorders Weather-proof and therefore suitable for outdoor applications Stereo FM working on the „pilot tone" principle Modes of application The EK 3041-U can be used as a „slot-in" receiver inserted in the slot-in facility of professional camcorders inserted in a special housing for attachment to camcorders without slot-in facility used as mobile receiver inserted in a belt pouch used as a small stationary receiver system mounted into a mini-rack only with Sennheiser transmitters transmitting battery status information 29 Noise reduction with HiDyn plus® This receiver 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 100 dB. HiDyn plus® is a wideband compander system which compresses the AF level on the transmitter side in a ratio of 2:1 (related to dB), and expands it in an exactly the same way on the receiver side. @@@@HiDyn plus® cannot be switched off on the EK 3041-U receiver.

@@@@Repositioning the receiving antenna can bring a solution, provided the transmitter remains in its original position. With mobile transmitters and receivers, however, the „field strength gap" will then occur with a different transmitter or receiver position. These field strength gaps" can only be eliminated with true diversity receivers. In true diversity, instead of one antenna and one receiver there are now two antenna and two receiver sections. The antenna are spatially separated.

By means of a comparison circuit, the receiver section with the strongest RF signal is always switched to the common AF output. The switching is inaudible. True diversity makes sense because, at UHF frequencies, even antenna placed only a few centimetres apart provide effective protection against interference caused by „field strength gaps". The risk of the occurrence of field strength gaps" in both antenna at the same time is virtually nonexistent. Your EK 3041-U receiver is supplied with two antenna which are necessary for true diversity operation (see chapter 5).

The length of the antenna has been matched to the frequency range of your EK 3041-U receiver. Insert the antenna into sockets and screw them tight. Preparation: Mount the base plate suitable for the Philips camcorder and fix it to the left and right of the receiver by means of two screws. Fix the receiver (from above) to the mounting frame by means of four small screws. Fix the receiver to the slot-in facility by means of the two knurled screws. Preparation: Mount the base plate suitable for the Ikegami camcorder and fix it to the left and right of the receiver by means of two screws. Fix the receiver (from above) to the mounting frame by means of four small screws. 10 Mounting the EK 3041-U into the Sony SX camcorder Preparation: Mount the base plate suitable for the Sony camcorder and fix it to the left and right of the receiver by means of two screws. Fix the receiver (from above) to the mounting frame by means of four small screws. 11 Power supply Your EK 3041-U receiver can be powered from different power sources.

The adaption to these power sources is via the plug-in connector at the bottom of the receiver and the corresponding accessories. Via the GA 3041-B power adaptor which is attached to the special housing 12 Putting the receiver into operation / Switching the receiver on If the receiver is inserted in the slot-in facility of a camcorder, the receiver is switched on as soon as the camcorder is put into operation. If the receiver is mounted into a special housing for external attachment to camcorders, press the ON/OFF switch to switch the receiver on. After approx. two seconds, the display indicates the receiving frequency or its respective channel number. Two bargraphs indicate the received RF signal (upper bargraph: „RF") and the deviation (lower bargraph). 13 Switching the receiver off To switch the receiver off, press the ON/OFF switch second until „OFF" briefly appears on the display. Please wait at least two seconds before switching the receiver on again. 14 Display of receiving frequency or channel number You can choose the content of the display i. e.

Whether the preselected receiving frequency or its respective channel number is indicated. If you press button , the respective channel number is indicated. @@@@The menus can be selected by means of the SET button. Detailed information on the menus is given in chapters 17 to 22. @@@@Press the SET button six times to lock the operating buttons! @@@Press the SET button seven times to return to normal operation.

If desired, you can start to adjust the settings over again. @@@@ g. Inserted into a special housing (accessory). With the / buttons you can now select a different volume setting. @@@@Notes You can discontinue the programming of this menu at any time.

@@@@Here, too, „ESC" flashes briefly. 18 Adjusting the squelch Your EK 3041-U receiver is equipped with an adjustable squelch control which eliminates annoying noise when the transmitters are switched on and off. It also suppresses sudden noise when a transmitter leaves the reception area and there is no longer sufficient transmitter power received by the receiver. Briefly press the SET button twice. The display now indicates „Squelch" in alternation with one of nine possible squelch values (adjustable in 5-dB steps from „OFF" to „40"). These values are to some extent comparable to an input voltage in dB µV. With the / buttons you can now select a different setting. Selecting a smaller value reduces the squelch threshold, selecting a higher value increases the squelch threshold. @@@Notes You can discontinue the programming of this menu at any time.



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@@@@@@@Here, too, „ESC" flashes briefly.

The display now indicates the preset receiving frequency in alternation with the channel number assigned. (If no channel number has been assigned, three „hyphens" appear on the display): With the / buttons you can now select a different frequency. The display always jumps to the next fixed frequency setting in the program. When you get to the desired frequency, press the SET button for about 1 second. @@Only now does the receiver change to the new frequency, any existing RF link to a transmitter on the previous frequency is interrupted. @@Notes You can discontinue the programming of this menu at any time. @@@@The display then switches back to the standard display (u see chapter 16). @@Here, too, „ESC" flashes briefly. 20 Assigning a channel number You can assign a channel number (from 001 to 255) to each of the 32 receiving frequencies. With larger systems, it is recommended to use the same channel number for both transmitters and receivers in order to provide for simpler monitoring of the system. briefly press the SET button four times. The display now indicates the assigned channel number in alternation with „CH SET". @@@@@@Notes You can discontinue the programming of this menu at any time. Press the SET button to change to t only be done by authorised personnel and is all the more important for currentcarrying units. If devices are opened by customers in breach of this instruction, the warranty becomes null and void. Keep the receiver away from central heating radiators and electric heaters. use a damp cloth for cleaning the receiver. Do not use any cleansing agents or solvents. 26 Error messages The display of the receiver is also used by the integrated microprocessor to display error messages for service purposes. If you see error messages such as „EE\_DEF" or „rS\_232", there is a fault in the receiver unit which can only be corrected by your local Sennheiser service department. 27 Error checklist Error Receiver does not work; display panel dark Possible cause Check the camcorder's power supply; if necessary, switch power supply on separately Frequency of transmitter does not agree with receiving frequency Squelch threshold adjusted too high Sound distorted Transmission microphone overmodulated; reduce AF level or transmitter sensitivity Transmitter not sensitive enough; where appropriate, increase transmitter sensitivity Sound overlaid with background noise Base plate with special housing Power adaptor Sony adaptor Ikegami adaptor Philips adaptor Battery box (small) Battery box (large) Accupack (small) Accupack (large) Up to date information on Sennheiser products can also be found on the Internet under "http://www. .



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