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You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER HMEC 300. You'll find the answers to all your questions on the SENNHEISER HMEC 300 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SENNHEISER HMEC 300
User guide SENNHEISER HMEC 300
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 **SENNHEISER**

HMEC 300/302/305
305-C/306/322/400
HMDC 322

Bedienungsanleitung



NoiseGard™



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Manual abstract:

With the NoiseGard™ active noise compensation turned on, typical aircraft sounds (for example, those from engines, propellers, warning alarms, etc.) may sound different to you. Before operating any aircraft, make sure that, with NoiseGard™ turned on, you can hear and recognize these sounds. Set the volume to safe levels that do not interfere with your ability to hear informational sounds and warning alarms. If problems occur, contact your Sennheiser agent for assistance. Only replace parts of the headset whose replacement is described in this manual. All other parts of the headset must be replaced by your Sennheiser agent. For information on how to clean the headset, contact your Sennheiser agent. New active headset with effective attenuation of external noise across the entire frequency spectrum due to NoiseGard™ active noise compensation · NoiseGard™ active noise compensation provides clear communications even in the noisiest environment · Excellent comfort due to very low weight, soft ear cushions and padded headband as well as best possible freedom of movement due to unilateral connecting cable · foldable headband for easy and space-saving storage · Clear communications due to MKE 45 electret microphone with adjustable sensitivity · Microphone can be easily positioned and worn on either left or right side due to flexible microphone boom with quick-fixing device · With the NoiseGard™ active noise compensation turned off, the headset can be used as a conventional headset Power supply for NoiseGard™ is provided via on-board power supply system, cigarette lighter socket or battery pack · Fail safe operation in case of power failure · HMEC 302 NoiseGard™ headset The HMEC 302 differs from the HMEC 300 in the following features: · Connection of microphone and NoiseGard™ electronics via PJ-068 plug HMEC 305 NoiseGard™ headset The HMEC 305 differs from the HMEC 300 in the following features: · HMEC 305-C NoiseGard™ headset The HMEC 305-C differs from the HMEC 300 in the following features: · Connection of NoiseGard™ electronics via XLR-3 plug HMEC 306 NoiseGard™ headset The HMEC 306 differs from the HMEC 300 in the following features: · Connection of headphones, microphone and NoiseGard™ electronics to the on-board power supply system (1235 V DC) via 6-pin Redel plug HMEC 322 NoiseGard™ headset The HMEC 322 differs from the HMEC 300 in the following features: · HMEC 400 NoiseGard™ headset The HMEC 400 differs from the HMEC 300 in the following features: · Headband padding can be buttoned HMDC 322 NoiseGard™ headset The HMDC 322 differs from the HMEC 300 in the following features: · No Mono/Stereo switch Coiled cable M-87/AIC dynamic microphone and low impedance headphones Connection of headphones and microphone via U-174/U jack plug to a low impedance interface in the helicopter Headset 3-pin XLR socket for aircraft panel mounting (power supply via the on-board system) Padded carry and storage bag with shoulder strap for headset and accessories Wind screen for microphone (except HMDC 322) MZQ 2002-1 cable clip (Cat. Headset Padded carry and storage bag with shoulder strap for headset and accessories Wind screen for microphone MZQ 2002-1 cable clip (Cat. 83140) BP-03 battery pack (except for HMEC 302, HMEC 305 and HMEC 306) Battery pack with XLR-3 socket for powering the NoiseGard™ electronics of the HMEC 300, HMEC 305-C, HMEC 322, HMEC 400 and HMDC 322 headsets. @@@@ connection to the on-board system (1235 V DC) 2. @@@@ Before turning on NoiseGard™, ensure that the on-board power supply system is protected by a 1 A fuse. Connecting the headset to the on-board system The NoiseGard™ electronics can be connected to on-board power supply systems with operating voltages between 1235 V DC. danger of short circuit! Before turning on NoiseGard™, ensure that the on-board power supply system is protected by a 1 A fuse. The HMEC 300, HMEC 305-C, HMEC 322, HMEC 400 and HMDC 322 headsets are supplied with an XLR-3 socket for panel mounting in the aircraft. The XLR-3 socket must be mounted by a technician qualified to perform this type of installation. Power supply for NoiseGard™ Ground Do not connect ! Connecting the headset to the battery pack (except HMEC 302, HMEC 305 and HMEC 306) The NoiseGard™ electronics of the HMEC 300, HMEC 305-C, HMEC 322, HMEC 400 and HMDC 322 headsets can also be powered via the BP-03 battery pack (see "Recommended accessories" on page 9). The battery pack can be operated either on standard or rechargeable batteries (not included in the delivery). However, to ensure a longer operating time, we would recommend using standard AA size alkaline manganese batteries (IEC LR 6) or NiMH rechargeable batteries. Observe correct polarity when inserting the batteries. Close the cover of the battery compartment. LED operation and battery status indication The battery pack has two control LEDs. Green LED: Red LED: The battery pack is turned on and the battery capacity is sufficient. Connecting the headset, turning on the battery pack Connect the XLR-3 plug of the headset connecting cable to the XLR-3 socket on the connecting cable of the battery pack. Turn on the battery pack by setting the ON/OFF switch to ON. The green LED power indicator lights up. Note: When using the battery pack, the ON/OFF switch integrated into the headset connecting cable is out of operation. Attaching the battery pack to clothing The battery pack can be attached to clothing by means of the supplied attachment clip, Velcro tape is also supplied. Connecting the headset via a cigarette lighter adapter cable (except HMEC 302, HMEC 305 and HMEC 306) Sennheiser offers special adapter cables with XLR-3 socket for connecting the NoiseGard™ electronics of the HMEC 300, HMEC 305-C, HMEC 322, HMEC 400 and HMDC 322 headsets to the on-board power supply via the cigarette lighter socket: ACX-2 adapter cable for powering two headsets via the cigarette lighter socket The adapter cables are also available with a right-angled jack plug featuring a 7.

Adjusting the headband For good noise attenuation and best possible comfort, the headband has to be adjusted to properly fit your head: Wear the headset so that the headband runs over the top of your head. @@@@ squeezing can damage the connecting cables. @@@@ to do so, please proceed as follows: 1. Pull the wind screen from the microphone. Pull the microphone module from the boom-arm. Put the rotated microphone module back into the boom-arm. 6. Now tighten the screws from the other side 7. slide the windscreen over the microphone. @@@@ set the volume control to a medium value.

Make sure that you can hear critical sounds such as warning alarms. @@@@ Pull the wind screen from the microphone. gently slide-on the new wind screen and ensure that it fits securely over the microphone. Replacing the ear cushions Replace the ear cushions if they are damaged.



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Grasp behind the ear cushions and pull them up and away from the earcups.

Slide the new ear cushions onto the earcups. For best results replace the ear cushions after 100 hours of use or two years. Pull the Ziploc type fastening strips of the headband padding apart and remove the worn headband padding. Put the new headband padding around the headband. Pull the two edges of the headband padding together so that the fastening strips slightly overlap.

Put the new headband padding around the headband. Pull the two edges of the headband padding together and close the snaps. The NoiseGard™ principle One of the greatest stress factors today is noise. Research has shown that noise affects the nervous system, and can cause tiredness, poor concentration, irritability and tension. Of even greater concern is the permanent damage to hearing that can result from noise at high levels. this problem concerns pilots in particular. Cockpit noise amounts to about 80 dB(A) in jets and to 90 up to 97 dB(A) in turboprops. During takeoff and landing, the noise level is even higher. To be able to understand radio traffic in spite of the noisy environment, the ATC signal level must be set to at least 95 dB(A). Permanent hearing loss caused by the continuous noise in aircrafts is the reason why many pilots became prematurely disabled or lost their pilot's license.

Circumaural communication headsets provide noise attenuating properties and are commonly used to address this problem. However, the noise attenuation of these headsets is uneven. @@@@The overall noise level is reduced so that the radio volume can be turned down but enough noise still remains for the pilot to safely monitor the aircraft engterms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner.

@@@@The guarantee can be claimed in all countries outside the U. s. Provided that no national law limits our terms of guarantee. Raccorder un casque micro au pack de piles (sauf HMEC 302, HMEC 305 et HMEC 306) L'électronique NoiseGard™ des HMEC 300, HMEC 305-C, HMEC 322, HMEC 400 et HMDC 322 peut aussi être alimentée via le pack de piles BP-03 (voir "Accessoires recommandés" à la page 9). Raccordement du casque micro, mise en fonction du pack de piles Raccorder le connecteur XLR-3 du câble de raccordement à la prise XLR-3 du câble de raccordement du pack de piles. Fixer le pack de piles à un vêtement Le pack de piles peut être fixé à un vêtement à l'aide du clip de fixation, une bande Velcro est également fournie. Tirer la partie médiane du support micro vers la bouche jusqu'à ce que la distance micro/bouche soit d'env.

Quand le pack de piles BP-03 est utilisé, placez le commutateur ON/OFF du NoiseGard™ sur "ON" et utilisez le commutateur ON/OFF du pack de piles. .



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