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You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER SET 830 S. You'll find the answers to all your questions on the SENNHEISER SET 830 S in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SENNHEISER SET 830 S
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Operating instructions SENNHEISER SET 830 S
Instructions for use SENNHEISER SET 830 S
Instruction manual SENNHEISER SET 830 S



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..... 36 I Safety instructions Safety instructions · Please read this instruction manual carefully and completely before using the devices. · Make this instruction manual easily accessible to all users at all times.

Always include this instruction manual when passing the devices on to third parties. · Do not use the devices in situations which require special attention (e.g. when performing skilled jobs). · Always keep the devices dry and do not expose them to extreme temperatures.

· Use the devices with care and set them up in a clean, dust-free environment. · Varnish or furniture polish may degrade the feet of the transmitter, which could stain your furniture. You should therefore place the transmitter on a non-slip pad to avoid potential staining of furniture. · Connected headphones contain magnets that generate a magnetic field which could cause dangerous interference with cardiac pacemakers and implanted defibrillators. Keep connected headphones at least 1.

2" (3 cm) from cardiac pacemakers or implanted defibrillators. · This receiver allows you to set higher volumes than conventional headphones. This can cause hearing damage in persons with healthy hearing and especially in children. · Refer all servicing to qualified service personnel. Servicing is required if the devices have been damaged in any way, liquid has been spilled, objects have fallen inside, the devices have been exposed to rain or moisture, do not operate properly or have been dropped. · WARNING: To reduce the risk of fire or electric shock, do not expose the device and the mains unit to rain or moisture. · Use only the supplied mains unit. · Disconnect the mains connector from the wall socket to completely disconnect the device from the mains, during lightning storms or when unused for long periods of time. · Ensure that the mains unit is always readily operable and easily accessible, properly plugged into the wall socket, not covered or exposed to direct sunlight for longer periods of time in order to prevent heat accumulation, only operated within the permissible temperature range (see "Specifications" on page 32), not operated near heat sources. 2 Safety instructions Intended use Intended use includes: · having read this instruction manual, especially the chapter "Safety instructions", · using the devices within the operating conditions and limitations described in this instruction manual.

"Improper use" means using the devices other than as described in this instructions, or under operating conditions which differ from those described herein.

Safety instructions for the Lithium-Polymer rechargeable battery The BA 300 is a Lithium-Polymer rechargeable battery. If abused or misused, this rechargeable battery may be damaged. Please understand that Sennheiser does not accept liability for damage arising from abuse or misuse. WARNING! In extreme cases, the rechargeable battery may even present a · heat hazard · fire hazard · explosion hazard · smoke and gas hazard Only charge rechargeable batteries with the appropriate Sennheiser chargers. When not using the rechargeable battery for extended periods of time, charge it regularly (every six months for about one hour). Only charge rechargeable batteries at ambient temperatures between 10°C/50°F and 40°C/104°F. Do not charge the rechargeable battery if the device is obviously defective. Return defective devices or exhausted rechargeable batteries to your specialist dealer. Do not heat above 70°C/158°F, e.

g. do not expose to sunlight or throw into a fire. Do not expose to moisture. Do not short-circuit. Do not mutilate or dismantle.

! Store the devices/ rechargeable batteries in a cool and dry place at room temperature. 3 Delivery includes Delivery includes Delivery of the Set 830 S system includes: 1 RI 830 S receiver with BA 300 Lithium-Polymer rechargeable battery 1 TI 830 transmitter with integrated charging compartments 1 EZT 3011 induction loop 1 NT 13 mains unit with 3 country adapters (EU, UK, US) 1 connection cable with two 3.5 mm stereo jack plugs for connection to a headphone socket 3 audio adapters: 1 adapter 3.5 mm to ¼" (6.3 mm) jack plug 1 adapter for RCA socket 1 adapter for SCART socket 1 lanyard 1 clip for attaching the receiver 1 instruction manual 4 Product overview Product overview The overview pictures of the receiver and the transmitter can be found on the inside front cover of this instruction manual.

I 1 2 3 4 Receiver Channel indicator Volume control On/off button Balance control 5 Channel search button 6 Battery compartment 7 Socket for headphones, induction loop or connection cable to hearing aid II Transmitter 8 Charging compartment for receiver 9 Charging compartment for optional spare rechargeable 0 A B C D E F G H battery Charging indicator for optional spare rechargeable battery Charging indicator for receiver's rechargeable battery Operation indicator "Speech intelligibility" button Indicator for the selected speech intelligibility Socket (marked blue) for connection of sound source or external microphone Mono/stereo slide switch Treble adjustment control DC socket (marked yellow) for connection of mains unit 5 Putting the Set 830 S into operation Putting the Set 830 S into operation Setting up the transmitter Place the transmitter so that: there are no obstacles in the light path between transmitter and receiver and transmitter and receiver are not exposed to direct sunlight. Direct sunlight may interfere with the reception and may damage the transmitter. If you are using a plasma TV screen: Plasma TV screens radiate an infra-red signal that can adversely affect the transmission quality.



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Make sure that the transmitter is placed as far as possible from your plasma TV screen. If necessary, use a standard extension cable (3.5 mm stereo jack plug) to reduce the distance between transmitter and receiver. This extension cable is available from your Sennheiser dealer. Note: One transmitter can be used to transmit to several receivers on the same frequency. 6 Putting the Set 830 S into operation Connecting the transmitter to a sound source Switch your sound source (e.g.

TV) off before connecting the transmitter. E I Plug one end of the connection cable I into the blue socket E of the transmitter. Check the available connection possibilities of your sound source (e.g. TV). Connection possibility Name of connection possibility Headphone socket A B RCA socket L R SCART socket C D MKE 800 TV-N external microphone Connect the transmitter as described in the corresponding chapter A , B , C or D . Note: If there are several connections (A , B or C) available, select the SCART socket C . SCART adapter and microphone are also available as accessories (see page 30). 7 Putting the Set 830 S into operation A Connecting the transmitter to a headphone socket J I Plug the other end of the connection cable I into the head-phone socket on your sound source. Is the plug on the connection cable too small for the headphone socket? Plug the adapter to 1/4" (6.

3 mm) jack socket J onto the connection cable. Adjust the volume of the headphone socket on your sound source to a medium level. This improves the quality of cordless sound transmission. For detailed information, please refer to the instruction manual of your sound source (e.g. TV). Note: With most TVs, the headphone socket is located at the front or sides. B Connecting the transmitter to an RCA socket K I Plug the adapter for RCA socket K onto the connection cable I. Connect the red connector of the adapter K to the red RCA socket R of your sound source. Connect the white connector of the adapter K to the white or black RCA socket L of your sound source.

Notes: With most TVs, the RCA socket is located at the rear. If your TV has several RCA sockets, use the socket RCA output. 8 Putting the Set 830 S into operation C Connecting the transmitter to a SCART socket I L Plug the SCART adapter L onto the connection cable I. Connect the SCART adapter L to the SCART socket on your TV. Note: If your TV has several SCART sockets, use the socket SCART output. D Using the MKE 800 TV-N external microphone What if your sound source doesn't have any of the connections mentioned above? You can then use the optional MKE 800 TV-N microphone (see page 30). What if your sound source mutes the external loudspeakers if you use one of the connections mentioned above? Via the operating menu of your TV, check if the muting can be deactivated. If the muting persists, use the optional MKE 800 TV-N microphone (see page 30) instead of the connection cable.

@@@Slide the supplied country adapter onto the mains unit M. @@Plug the mains unit M into a wall socket.

@@@The operation indicator goes off. 10 Putting the Set 830 S into operation 2 to adjust the volume to a sufficient and comfortable level. Searching for a sound source Switch the receiver on. Do you hear the desired sound source? @@The sound source is searched for. @@@@Adjust the balance so that you hear equally well with both ears. @@@Try out which setting works best for you. @@@@The receiver automatically switches 8 off.

@@@@@green: The battery is fully charged. @@Receiver is switched on for more than 30 secs. and no button has been pressed.

Receiver is switched off. Transmitter is switched on. Transmitter is switched off. Rechargeable battery is being charged. Rechargeable battery is fully charged.

Speech intelligibility enhancement is switched on. Speech intelligibility enhancement is switched off. off Operation indicator B on the transmitter Charging indicator A Charging indicator 0 "Speech intelligibility" indicator D on the transmitter lit green off lit red lit green lit yellow off...

you press this button? Button Channel search button 5 on the receiver "Speech intelligibility" button C on the transmitter Function Searches for the sound source or a different channel. Selects one of the possible settings in order to individually enhance the speech intelligibility. Page 16 18 21 What if... ..you change the position of this control/switch? Function Volume control 2 Reduces or increases the volume of the receiver. on the receiver Balance control 4 Increases the volume for the left or the right ear.

on the receiver Mono/stereo slide switch F on the transmitter Treble adjustment control G on the transmitter Sets the transmitter to mono or stereo operation.

Treble adjustment is only to be made by a hearing aid technician / an expert. Control/switch Page 16 17 17 28 ...you hear acoustic signals or warning signals? Acoustic signal 3 ascending beeps Meaning The receiver has just been switched on. The receiver has just been switched off. The channel search button has been pressed once briefly. The channel search button has been pressed for 5 seconds. The receiver is set to channel 1 or 2.

2 descending beeps 1 acknowledgement beep 12 short beeps 22 What if... Warning signal 6 short beeps 2 long beeps Meaning The receiver does not receive any signal from the transmitter: · The distance between transmitter and receiver is too great. The receiver switches off after 3 minutes.

· The transmitter is switched off. The rechargeable battery is almost flat. 5 To switch the acoustic signals on and off: Press the channel search button 5 of the receiver for approx. 5 seconds. You hear a short acoustic signal.

Note: Warning signals cannot be switched off. 23 Cleaning the Set 830 S Cleaning the Set 830 S Cleaning the transmitter and the receiver CAUTION! Liquids can damage the electronics of the devices! Liquids entering the housing of the devices can cause a short-circuit and damage the electronics. Keep all liquids far away from the devices. Do not use any cleansing agents or solvents. Before cleaning, disconnect the transmitter from the mains. Use only a slightly damp cloth to clean the devices. If a problem occurs ... The transmitter does not switch on Possible cause Solution Is the mains unit Check the connection of the mains connected correctly? unit to the transmitter and to the mains (see page 10).

Is the sound source switched on? Is the volume of the sound source sufficient? Is the transmitter set to operating mode 2 (see page 29)? Switch your sound source on. Set the volume on your sound source to a medium level. Take the receiver out of the charging compartment. The transmitter automatically switches on. 24 If a problem occurs ... You cannot hear anything Possible cause Is there a free line of sight between receiver and transmitter? Are transmitter and receiver exposed to direct sunlight? Is the receiver still within the transmitter's range? Are all connectors connected correctly? Is the operation indicator B lit? Is the transmitter set up the wrong way round? Does the receiver's Sennheiser logo face the transmitter? Is the volume of the sound source sufficient? Is the volume of the receiver sufficient? Is the rechargeable battery inserted properly into the receiver and fully charged? Solution Remove obstacles in the light path between receiver and transmitter.



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Avoid exposure to direct sunlight. Move the receiver closer to the transmitter.

If necessary, switch the receiver on again. Check the connection between the transmitter and your sound source (see page 7). Check if the transmitter is switched on (see page 14). Set up the transmitter so that the cables are guided away from the receiver (see page 6). Wear the receiver the right way round, with the Sennheiser logo facing the transmitter.

Set the volume on your sound source to a medium level. Increase the volume by turning the volume control 2 of the receiver (see page 16). Check if the channel indicator 1 is lit. If it is not lit: recharge the rechargeable battery (see page 19). Remove the rechargeable battery and reinsert it into the receiver. If this doesn't help: recharge the rechargeable battery (see page 19). 25 If a problem occurs ... You hear the sound only with one ear Possible cause Is the balance adjusted correctly? Is the transmitter set to mono? Solution Turn the balance control 4 to the left or right (see page 17). Set the mono/stereo switch F on the transmitter to the left (see page 17). The sound of your sound source is hardly intelligible Solution Press the "speech intelligibility" button C on the transmitter until the sound is optimally adjusted to your needs (see page 18). Do you use a plasma TV screen? placed as far as possible from your plasma TV screen (see page 6). Is the receiver still within the transmitter's range? Move the receiver closer to the transmitter. If necessary, switch the receiver on again.

Possible cause Is the speech intelligibility enhancement out of adjustment? 26 Additional technical information The loudspeakers of your TV are muted Possible cause Some TVs have a function that mutes the loudspeakers when you connect a transmitter. Solution Via the operating menu of your TV, check if and how the muting can be deactivated. Use a different audio socket on your TV or use the MKE 800 TV-N external microphone (see "Accessories and spare parts" on page 30). If a problem occurs that is not listed in the above tables or if the problem cannot be solved with the proposed solutions, please contact your Sennheiser partner for assistance. Additional technical information Fine adjusting the speech intelligibility The speech intelligibility can be enhanced individually on the transmitter (see page 18). There are the following settings: Indicator D lit yellow Fine adjustment Compression Setting 1 2 Treble boost 3 Compression and treble boost Default setting No fine adjustment made 27 Additional technical information Compression (settings 1 and 3) Deterioration of the ability to hear quiet sounds as well as loud ones is a typical symptom of old age. Compression compensates for these volume differences by boosting the volume of quiet sounds and reducing the volume of loud sounds if necessary. Compression seems to put the speech in the foreground, making it easier to understand. Compression is self-regulating; once it has been activated, it is not necessary to make any other settings. Treble boost (settings 2 and 3) Another typical age-related phenomenon is the deterioration of the hearing with regard to high frequencies.

However, high frequencies are important for the intelligibility of speech. The treble boost makes the speech clearer and easier to understand. With the treble boost (settings 2 and 3), additional fine adjustment is possible using the treble boost control G at the rear of the transmitter. Use a screwdriver to turn the treble boost control G to the left or right until the sound can be heard very well. The position "0" corresponds to a minimum boost, the position "MAX" corresponds to a maximum boost, and the control is factory preset to the medium position.

G Function of the treble boost control By means of the transmitter's steplessly adjustable treble boost control G, the audio signal is boosted as shown in the diagram. The treble boost control G allows you to select one of the curves shown in the diagram below. dB 20 „MAX" 10 Factory-preset setting „0" 0,1 1 10 kHz 28 Additional technical information Changing the operating mode The transmitter can be set to a different operating mode. This is useful when the sound of your sound source is very low and the transmitter therefore does not always switch on automatically. D C Press the "speech intelligibility" button C for approx.

5 seconds. The indicator D goes off. The charging indicator for the spare rechargeable battery 0 flashes several times: red: green: operating mode 2 operating mode 1 (factory-preset) If the operating mode was changed successfully, the charging indicator for the spare rechargeable battery 0 goes off and the indicator D lights up again. 0 Particularities of operating mode 2: In operating mode 2, the transmitter is not switched on by the sound signal from the sound source. To switch the transmitter on: Take the receiver out of the charging compartment. To switch the transmitter off: Place the receiver into the charging compartment. If in operating mode 2 you want to use a second receiver and charge its rechargeable battery during operation: Pull the battery out of the receiver's battery compartment 6. Slide the battery into the transmitter's charging compartment 9 as far as it will go. 6 9 29 Accessories and spare parts Accessories and spare parts CAUTION! Danger of damage to the device! Components from other manufacturers (e.g.

@@@No. @@No. @50 g (Incl. BA 300) approx. 70 x 60 x 25 mm up to 12 m within a room 3.5 mm stereo jack socket 13.5 V DC/500 mA via NT 13 mains unit approx. 260 g approx. 112 x 146 x 58 mm FM, stereo 2.3 MHz/2.

8 MHz 50 Hz/16,000 Hz <1% approx. 3 hrs typ. 75 dBA 10 °C to 40 °C 32 Specifications NT 13 mains unit Nominal input voltage Mains frequency Nominal output voltage Nominal output current Standby consumption Ambient temperature 100 V~ to 240 V~ 50/60 Hz 13.5 V DC 500 mA approx. 0.

9 W (w/o battery charging) +5°C to +40°C Max. power consumption 2.4 W (incl. battery charging) The NT 13 mains unit is certified in accordance with the legal safety requirements of Europe, the United States, Canada, Russia and Japan. The devices comply with the following standards: Europe EMC: EN 55013, EN 55020 Safety: EN 60065, EN 61558, EN 60950 47CFR15_B IC ICES-003 USA Canada 33 Manufacturer Declarations Manufacturer Declarations Warranty Sennheiser 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. Declaration of Conformity This equipment is in compliance with the essential requirements and other relevant provisions of Directives 2004/108/EU and 2006/95/EU. The declaration is available at www.sennheiser.com.



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sennheiser.com. Batteries and rechargeable batteries Please dispose of exhausted batteries and rechargeable batteries as special waste or return them to your specialist dealer. WEEE Declaration Please dispose of this product at the end of its operational lifetime by taking it to your local collection point or recycling centre for such equipment.

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. 34 Manufacturer Declarations 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. · 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! 35 Index Index Receiver Adjusting the balance 17 Adjusting the volume 16 Attaching the receiver to clothing 13 Channel indicator (meaning) 21 Cleaning 24 Indicators (meaning) 21 No sound signal 25 Operating time 19 Sound only audible with one ear 26 Storing and charging the receiver 19 Switching the acoustic signals off 23 Switching the receiver on/off 15 Rechargeable battery Replacing and charging the rechargeable battery 20 Special functions Changing the operating mode 28 Fine adjusting the speech intelligibility 27 Treble boost control 28 Terms Compression/treble boost 27 Mono/stereo 17 Transmitter Cleaning 24 Connection to a headphone socket 8 Connection to a SCART socket 9 Connection to a sound source 7 Connection to an RCA socket 8 Connection to the mains 10 Enhancing the speech intelligibility 18 Installation 6 Operation indicator (meaning) 21 Switching between mono and stereo operation 17 Switching the transmitter on/off 14 Troubleshooting 24 Using the MKE 800 TV-N external microphone 9 36 Sennheiser electronic GmbH & Co. KG Am Labor 1, 30900 Wedemark, Germany www.sennheiser.com Printed in China Publ. 04/09 528251/A02 .



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