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You can read the recommendations in the user guide, the technical guide or the installation guide for SENNHEISER SET 840 TV. You'll find the answers to all your questions on the SENNHEISER SET 840 TV 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 840 TV
User guide SENNHEISER SET 840 TV
Operating instructions SENNHEISER SET 840 TV
Instructions for use SENNHEISER SET 840 TV
Instruction manual SENNHEISER SET 840 TV



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

Always include this instruction manual when passing the products on to third parties. Do not use the products in situations which require special attention (e.g. when performing skilled jobs). Always keep the products dry and do not expose them to extreme temperatures. Use the products 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. This stethoset 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 products have been damaged in any way, liquid has been spilled, objects have fallen inside, the products 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 products to rain or moisture. Use only the supplied mains unit. Disconnect the mains connector from the wall socket to completely disconnect the products 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 29), not operated near heat sources. · · · · · 2 Safety instructions Intended use Intended use includes · having read this instruction manual, especially the chapter "Safety instructions" on page 2, · using the products within the operating conditions and limitations described in this instruction manual. "Improper use" means using the products other than as described in this instruction manual, 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. Do not heat above 70°C/158°F, e.g. do not expose to sunlight or

throw into a fire. When not using the rechargeable battery for extended periods of time, charge it regularly (every 6 months for about 1 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. Do not expose to moisture. Only charge rechargeable batteries with the appropriate Sennheiser chargers.

Return defective devices or exhausted rechargeable batteries to your specialist dealer. 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 The Set 840-TV system is available as an EU and a US version. The following table shows which items are included with the respective version. Components of the Set 840-TV system 1 RR 840 stethoset receiver with BA 300 Lithium-Polymer rechargeable battery 1 TI 840 transmitter with integrated charging compartments 1 NT 13 mains unit with 2 country adapters (EU, UK) 1 country adapter (US) 1 connection cable with two 3.5 mm stereo jack plugs for connection to a headphone socket audio adapter (3.5 mm to ¼" (6.3 mm) jack plug) audio adapter for RCA socket (e.

g. TB/Aux-Out) audio adapter for SCART socket MKE 800 TV-N microphone pairs of spare ear pads instruction manual installation manual EU US 1 1 1 1 2 1 1 4 Product overview Product overview The overview pictures of the stethoset receiver and the transmitter can be found on the inside front cover of this instruction manual. I Stethoset receiver 1 2 3 4 5 Channel indicator Volume control Balance control Channel search button Battery compartment II Transmitter 6 Charging compartment for receiver 7 Charging compartment for optional spare 8 9 0 A B C D E F G rechargeable battery Charging indicator for optional spare rechargeable battery Charging indicator for receiver's battery Operation indicator "Speech intelligibility" button Indicator for the selected speech intelligibility Socket (marked blue) for connection of sound source or external microphone ST/MO slide switch (stereo/mono) Treble adjustment control Channel selector switch DC socket (marked yellow) for connection of mains unit 5 Putting the Set 840-TV system into operation Putting the Set 840-TV system into operation Setting up the transmitter Choose a suitable place near your sound source (e.g. TV).

Do not place the transmitter close to metal objects such as shelf bars, reinforced concrete walls, etc. as this can decrease the transmitter's range. It is not necessary that the transmitter and stethoset receiver are in the same room, so you can move around freely in the home or outside in the garden. When the stethoset receiver leaves the range of the transmitter, it produces warning signals and then automatically switches off after 3 minutes. One transmitter can be used to transmit to several stethoset receivers on the same frequency.



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6 Putting the Set 840-TV system into operation Connecting the transmitter to a sound source Switch your sound source (e.g. TV) off before connecting the transmitter. C I Plug one end of the connection cable I into the blue socket C 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 (SCART adapter included with the EU version) C What if your sound source doesn't have any of these connection possibilities? MKE 800 TV-N external D microphone (included with the US version) Connect the transmitter as described in the corresponding chapter A, B, C or D. If possible, use the SCART connection C. SCART adapter and microphone are also available as accessories (see page 28). 7 Putting the Set 840-TV system into operation A Connecting the transmitter to a headphone socket Plug the other end of the connection cable I into the headphone 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 I. Adjust the volume of the headphone socket on your sound source to a medium level. This improves the quality of wireless sound transmission. For detailed information, please refer to the instruction manual of your sound source (e.g. TV). With most TVs, the headphone socket is located at the front or sides. B Connecting the transmitter to an RCA socket Plug the audio adapter for RCA socket K onto the connection cable I. Connect the red connector of the audio adapter K to the red RCA socket R of your sound source.

Connect the white connector of the audio adapter K to the white or black RCA socket L of your sound source. With most TVs, the RCA socket is located at the rear. If your TV has several RCA sockets, use the socket RCA output. J I K I 8 Putting the Set 840-TV system into operation C Connecting the transmitter to a SCART socket Plug the SCART adapter L onto the connection cable I. Connect the SCART adapter L to the SCART socket on your TV.

I L 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. 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. @@ Press the microphone onto the Velcro tape. @@@@ Slide the supplied country adapter N onto the mains unit M.

@@ Plug the mains unit M into a wall socket. @@@@ The operation indicator 0 goes off. @@ When not using the transmitter for extended periods of time (e.g. @@ In this caIf, despite a correct balance adjustment, you can hear the sound only with one ear: Set the ST/MO switch D on the transmitter to MO (mono). D Meaning of the terms "mono" and "stereo" Stereo (ST) Mono (MO) L R L+R Example: L: Speech from the left R: Music from the right You hear speech from You hear speech and music the left and music from coming from the front. @@@@ @@@@ The receiver automatically switches off. @@@@ green: The battery is fully charged. With a fully charged battery, the operating time is up to 9 hours. The transmitter remains switched on during charging.

@@@@@@@@@@@@ The charging time is approx. 3 hours. green: The battery is fully charged. Insert the battery into the receiver as shown. @@@@ this indicator lights up? Indicator Channel indicator 1 on the receiver Status lit yellow Meaning The receiver has just been switched on or a button has just been pressed. The distance between receiver and transmitter is too great. The receiver switches off after 3 minutes. The receiver is switched on for more than 30 secs. and no button has been pressed. The receiver is switched off.

The transmitter is switched on. The transmitter is switched off. The rechargeable battery is being charged. The rechargeable battery is fully charged. The speech intelligibility enhancement is switched on.

The speech intelligibility enhancement is switched off. flashes off Operation indicator 0 on the transmitter Charging indicator 9 Charging indicator 8 lit green off lit red lit green "Speech lit yellow intelligibility" indicator B on the transmitter off 20 What if

.. you press this button? Button Channel search button 4 on the receiver "Speech intelligibility" button A 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 14 17 ... you change the position of this control/switch? Control/switch Volume control 2 on the receiver Balance control 3 on the receiver Channel selector switch F on the transmitter ST/MO switch D on the transmitter Treble adjustment control E on the transmitter Function Reduces or increases the volume of the receiver Increases the volume for the left or the right ear Selects a different transmission channel Sets the transmitter to mono or stereo operation Treble adjustment is only to be made by a hearing aid technician / an expert Page 14 16 15 16 26 21 What if

. you hear acoustic signals or warning signals? Acoustic signal 1 acknowledgement beep Meaning 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, 2 or 3. Meaning 6 short beeps 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. 13 short beeps Warning signal 2 long beeps To switch the acoustic signals on and off: Press the channel search button 4 on the receiver for approx. 5 seconds.

You hear a short acoustic signal. 4 Warning signals cannot be switched off. 22 Cleaning the Set 840-TV system Cleaning the Set 840-TV system Cleaning the transmitter and the receiver CAUTION! Danger of electric shock and damage to the device electronics! 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. Cleaning the ear pads Carefully remove the ear pads H from the receiver. Clean the ear pads H with warm soapy water and rinse thoroughly. Dry the ear pads H.

Put the ear pads back on the receiver. For reasons of hygiene, you should replace the ear pads H from time to time. Spare ear pads are available from your Sennheiser dealer (see "Accessories and spare parts" on page 28).



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H 23 If a problem occurs ... If a problem occurs ... The transmitter does not switch on Possible cause Solution Is the mains unit connected correctly? mains unit to the transmitter and to the mains (see page 11).

Is the sound source sufficient? You cannot hear anything Possible cause Is the transmitter placed close to metal objects? Solution Choose a different place for the transmitter. Make sure that the transmitter is not placed close to metal objects. Are all connectors connected correctly? the transmitter and your sound source (see page 7). Is the operation Check if the transmitter indicator 0 lit? is switched on (see page 12). Is the volume of the sound source source to a medium level. sufficient? Is the volume of the Increase the volume by turning the receiver sufficient? volume control 2 (see page 14). Is the rechargeable battery inserted properly into the receiver and fully charged? Remove the rechargeable battery and reinsert it into the receiver. If this doesn't help: recharge the rechargeable battery (see page 18).

24 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 3 to the left or right (see page 16). Set the ST/MO switch D on the transmitter to mono (MO) (see page 16). The sound of your sound source is hardly intelligible Possible cause Is the speech intelligibility enhancement out of adjustment? Is there another transmitter operating in the proximity? Is the receiver still within the transmitter's range? Solution Press the "speech intelligibility" button A on the transmitter repeatedly until the sound is optimally adjusted to your needs (see page 17). Change the transmission channel (see page 15). Move the receiver closer to the transmitter. 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.

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. 25 Additional technical information Additional technical information Fine adjusting the speech intelligibility The speech intelligibility can be enhanced individually on the transmitter (see page 17). There are the following settings: Indicator B lit yellow Setting Default setting 1 Fine adjustment No fine adjustment made Compression 2 Treble boost 3 Compression and treble boost 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 E at the rear of the transmitter.

26 Additional technical information Use a screwdriver to turn the treble boost control E 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. Function of the treble boost control By means of the transmitter's steplessly adjustable treble boost control E, the audio signal is boosted as shown in the diagram. The treble boost control E allows you to select one of the curves shown in the diagram below. dB E 20 "MAX" 10 Factory preset "0" 0.1 1 10 kHz 27 Accessories and spare parts Accessories and spare parts CAUTION! Danger of damage to the device! Components from other manufacturers (e.g. for power supply or rechargeable battery) may cause damage to the device and will invalidate the warranty. Use only original Sennheiser accessories and spare parts.

For the Set 840-TV, the following receivers and stethoset receivers are available from your specialist dealer: Cat. No. 502025 502026 502027 502014 Accessory/spare part EU version RR 840 stethoset receiver RR 840 S receiver US version RR 840 stethoset receiver RR 840 S receiver The following Set 840-TV accessories are available from your specialist dealer: Cat. No. 500898 528123 528124 528125 531428 500974 517627 502710 Accessory/spare part BA 300 spare rechargeable battery Ear pads (silicone, black), 5 pairs Ear pads (silicone, transparent), 5 pairs Ear pads (foam, black), 5 pairs 10 swivel joints for ear pads MKE 800 TV-N external microphone (mono) Extension cable, 3 m (3.5 stereo jack plug) L 300 10-10 charger 28 Specifications Specifications System Modulation Carrier frequencies EU version US version Frequency response THD Charging time for rechargeable battery Signal-to-noise ratio (1 mV, peak deviation) Operating temperature Transmitter RF radiated power EU version US version Range EU version US version Audio/microphone connection Power supply Max. current consumption Max. power consumption (transmitter in conjunction with the NT 13 mains unit) Standby consumption Weight Dimensions FM, stereo 863.3/864.0/864.7 MHz 925. 95/926.8/927.5 MHz 50 Hz 16,000 Hz < 1% approx. 3 hours typ. 70 dB (A) 10°C to 40°C max. 10 mW (EIRP) max. @@@@0.9 W (w/o battery charging) approx. 260 g approx. 112 x 146 x 58 mm 29 Specifications Receiver Max.

@@68 g (with BA 300) approx. @@Approved by Canada: USA: Industry Canada RSS 210 IC: 2099A-SET840 FCC 47 CFR Part 15C FCC-ID: DMOSET840 Transmitters that operate in the 863 865 MHz frequency range can be used licence-free in the following countries: AT, BA, BE, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, TR, UA. The NT 13 mains unit is certified in accordance with the legal safety requirements of Europe, the United States, Canada, China and Russia. 30 Manufacturer Declarations Manufacturer Declarations Warranty Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product.



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For the current warranty conditions, please visit our website at www.sennheiser.com or contact your Sennheiser partner. In compliance with the following requirements · RoHS Directive (2002/95/EC) · WEEE Directive (2002/96/EC) Please dispose of the devices at the end of their operational lifetime by taking them to your local collection point or recycling center for such equipment. · Battery Directive (2006/66/EC) 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) · EMC Directive (2004/108/EC) · Low Voltage Directive (2006/95/EC) The declaration is available at www.sennheiser.com.

Before putting the devices into operation, please observe the respective country-specific regulations. 31 Manufacturer Declarations Statements regarding FCC and Industry Canada This equipment 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 equipment may not cause harmful interference, and (2) this equipment 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. · 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 equipment 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 equipment into operation, please observe the respective country-specific regulations! 32 Index Index Receiver Adjusting the balance 16 Adjusting the volume 14 Automatic channel search 14 Charging the receiver 18 Cleaning 23 No sound signal 24 Operating elements 5 Operating time 18 Putting the receiver on/taking the receiver off 13 Reception is subject to interference 15 Searching for a sound source 14 Sound is hardly intelligible 25 Sound is only audible with one ear 25 Storing the receiver 18 Switching the acoustic signals off 22 Switching the receiver on/off 13 Rechargeable battery Charging the rechargeable battery 19 Special functions Fine adjusting the speech intelligibility 26 Treble boost control 27 Terms Compression/treble boost 26 Mono/stereo 16 Transmitter Changing the channel 15 Cleaning 23 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 11 Enhancing the speech intelligibility 17 Installation 6 Operating elements 5 Switching between mono and stereo operation 16 Switching the transmitter on/off 12 Troubleshooting 24 Using the MKE 800 TV-N external microphone 9 Versions EU version 7 US version 7 33 Sennheiser electronic GmbH & Co.

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