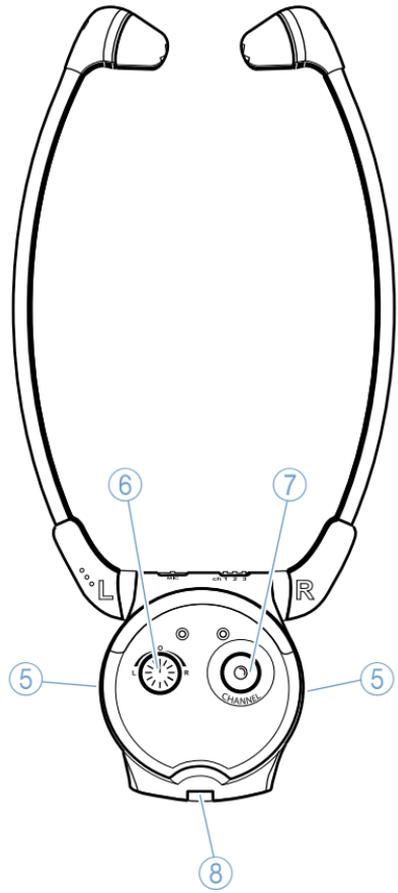
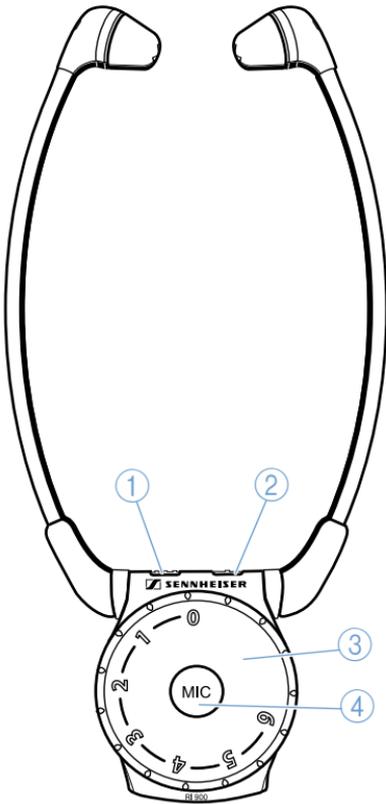
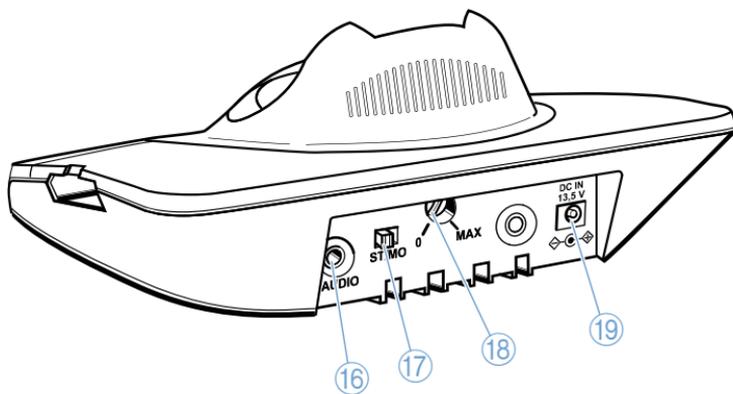
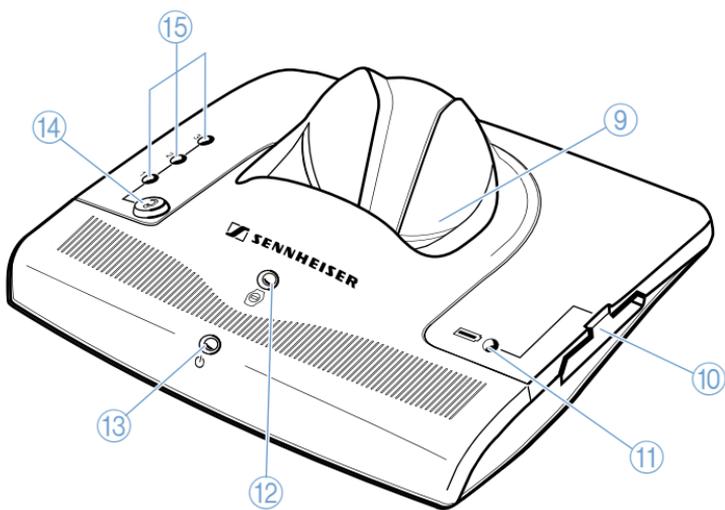


mobile sound booster and
infrared TV listening system
Set 900







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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.
- 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.
- The product generates stronger permanent magnetic fields that could cause interference with cardiac pacemakers and implanted defibrillators (ICDs).

Always maintain a distance of at least 3.94" (10 cm) between the ends of the earbuds with the ear pads and the cardiac pacemaker or implanted defibrillator.

- Refer all servicing to qualified service personnel. Servicing is required if the devices have been damaged in any way, such as mains cable or plug damage, 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 31),
 - not operated near heat sources.

Intended use of the devices

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-Ion rechargeable battery

The BA 300 is a Lithium-Ion 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.



Only charge rechargeable batteries with the appropriate Sennheiser chargers.



Do not expose to moisture.



When not using the rechargeable battery for extended periods of time, charge it regularly (every six months for about one hour).



Do not short-circuit.



Only charge rechargeable batteries at ambient temperatures between 10°C and 40°C.



Do not mutilate or dismantle.



Do not charge the rechargeable battery if the device is obviously defective.



Store the devices/ rechargeable batteries in a cool and dry place at room temperature.



Return defective devices or devices with defective rechargeable batteries to your specialist dealer.

Delivery includes

Delivery of the Set 900 system includes:

- 1 RI 900 receiver
 - with BA 300 Lithium-Ion rechargeable battery
- 1 TI 900 transmitter
 - with integrated charging compartments
- 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 1/4" (6.3 mm) jack plug
 - 1 adapter for RCA socket
 - 1 SCART adapter for SCART socket
- 2 pairs of spare earpads
- 1 transport case for receiver
- 1 hand strap for transport case
- 1 instruction manual

Product overview



Receiver (see inside cover)

- ① Channel indicator
- ② Microphone indicator
- ③ Volume control
- ④ Microphone button
- ⑤ Microphone openings (at the sides)
- ⑥ Balance control
- ⑦ Channel search button
- ⑧ Battery compartment

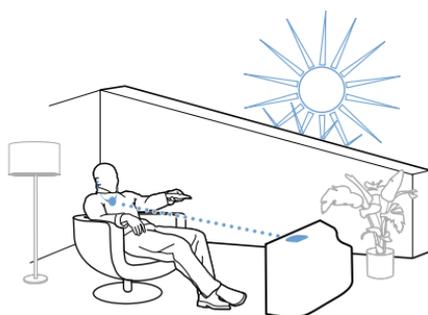


Transmitter (see inside cover)

- ⑨ Charging compartment for receiver
- ⑩ Charging compartment for optional spare rechargeable battery
- ⑪ Charging indicator for optional spare rechargeable battery 
- ⑫ Charging indicator for receiver's rechargeable battery 
- ⑬ Operation indicator 
- ⑭ "Speech intelligibility" button 
- ⑮ Indicator for the selected speech intelligibility
- ⑯ Socket (marked blue) for connection of sound source or external microphone
- ⑰ Mono/stereo slide switch
- ⑱ Treble adjustment control
- ⑲ DC socket (marked yellow) for connection of mains unit

Putting the Set 900 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.

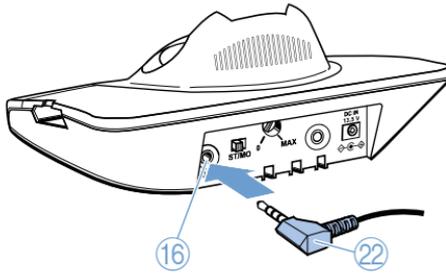
- ▶ Make sure that the transmitter is placed as far as possible from your plasma TV screen.
- ▶ If necessary, use a standard extension cable (3.5 mm stereo jack plug) to reduce the distance between transmitter and receiver. This extension cable is available from your Sennheiser dealer.

Note:

One transmitter can be used to transmit to several receivers on the same frequency.

Connecting the transmitter to a sound source

- ▶ Switch your sound source (e.g. TV) off before connecting the transmitter.



- ▶ Plug one end of the connection cable (22) into the blue socket (16) on the transmitter.
- ▶ Check the connection possibilities of your sound source (e.g. TV).

Connection possibility	A	B	C	D
Socket on sound source		L  R		—
Name of connection possibility	Head-phone socket	RCA socket	SCART socket	MKE 800 TV-N external microphone*

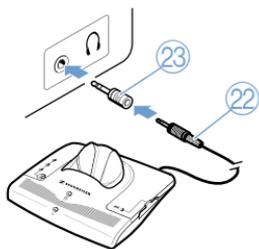
- ▶ Select one of the four connection possibilities **A**, **B**, **C** or **D** and follow the instructions in the corresponding chapter.

Note:

If there are several connections (**A**, **B** or **C**) available, select the SCART socket **C**.

- * The MKE 800 TV-N microphone is available as an accessory (see page 30).

A Connecting the transmitter to a headphone socket



- ▶ Plug the other end of the connection cable (22) into the headphone socket on your sound source.

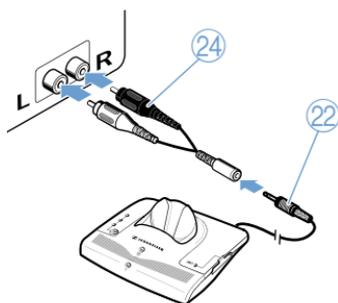
Is the plug on the connection cable too small for the headphone socket?

- ▶ Plug the adapter to 1/4" (6.3 mm) jack socket (23) 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

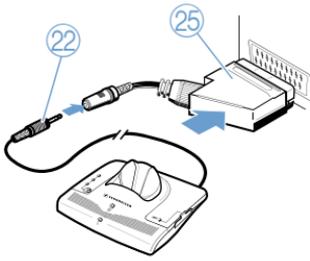


- ▶ Plug the adapter for RCA socket (24) onto the connection cable (22).
- ▶ Connect the red connector of the adapter to the red RCA socket R of your sound source.
- ▶ Connect the white connector of the adapter (24) to the white or black RCA socket L of your sound source.

Note:

With most TVs, the RCA socket is located at the rear.

C Connecting the transmitter to a SCART socket



- ▶ Plug the SCART adapter (25) onto the connection cable (22).
- ▶ Connect the SCART adapter (25) 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

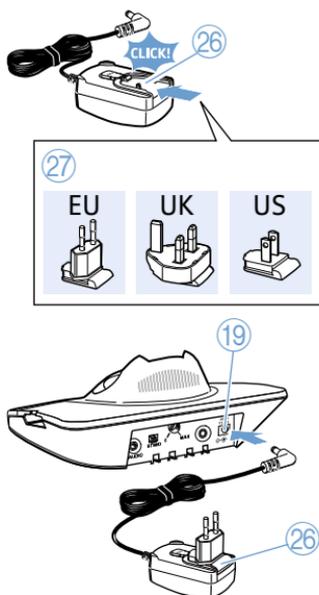
Your sound source doesn't have any of the connections mentioned above? You can then use the MKE 800 TV-N microphone (see "Accessories and spare parts" on page 30).

- ▶ Directly connect the microphone to the blue socket (16) on the transmitter.
- ▶ Position the microphone in front of the loudspeaker of your sound source.

Note:

You can change the sound by varying the position of the microphone in front of the loudspeaker.

Connecting the transmitter to the mains



- ▶ Select the suitable country adapter (27) for your wall socket.
- ▶ Plug the suitable country adapter onto the mains unit (26) until it locks firmly in place.
- ▶ Connect the yellow connector of the mains unit to the yellow socket (19) on the transmitter.
- ▶ Plug the mains unit (26) into a wall socket. The operation indicator (13)  on the transmitter lights up green.

Notes:

- When connecting the transmitter to the mains for the first time, charge the rechargeable battery for 3 hours as described in the chapter “Storing and charging the receiver” on page 17. 
- If there is no audio signal from the sound source for about 3 minutes, the transmitter automatically switches off. The operation indicator (13)  goes off.

Using the Set 900

To switch the Set 900 system on, proceed as follows:

1. Switch your sound source (e.g. TV) on. The transmitter automatically switches on (see next chapter).
2. Put the stethoset receiver on. The receiver automatically switches on (see page 12).
3. Adjust the desired volume (see page 14).
4. When using the receiver without the transmitter on the move, search for your sound source (see page 12).

Switching the transmitter on/off

To switch the transmitter **on**:

- ▶ Switch your sound source on.
The transmitter automatically switches on. The operation indicator ⑬  lights up green.

The transmitter doesn't switch on?

- ▶ Read the chapter "If a problem occurs ..." on page 24.

To switch the transmitter **off**:

- ▶ Switch your sound source off.
The transmitter automatically switches off after 3 minutes. The operation indicator ⑬  goes off.

To **disconnect** the transmitter **from the mains**:

- ▶ Pull out the mains connector from the wall socket.

Note:

When not using the transmitter for extended periods of time (e.g. when you are on holiday), pull out the mains connector from the wall socket. In this case, however, the receiver's rechargeable battery will not be recharged.

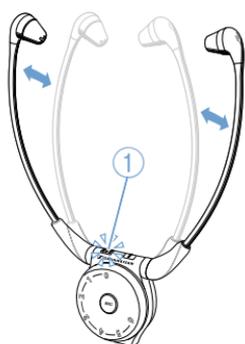
Switching the receiver on/off

CAUTION! Hearing damage due to high volumes!



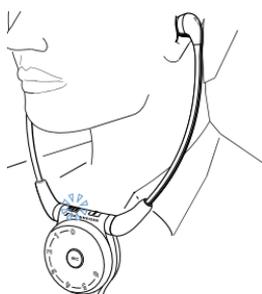
This receiver allows you to set higher volumes than conventional headphones. This can cause hearing damage in persons with healthy hearing and especially in children.

- ▶ Before putting the receiver on, set the volume on the receiver to a low value.
 - ▶ Do not continuously expose yourself to high volumes.
-



Switching the receiver on

The receiver automatically switches on when you pull the earbuds apart. The channel indicator ① lights up.



Putting the receiver on

- ▶ Put the receiver on the correct way round, with the Sennheiser logo facing away from your body. The earpads adapt to the ear form and thus increase the wearing comfort.

Switching the receiver off

- ▶ Take the receiver off. The receiver automatically switches off after 30 seconds. The channel indicator ① goes off.

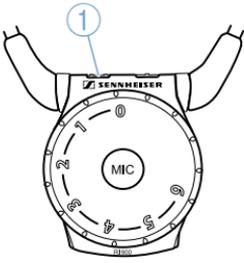
Notes:

- For how to store and charge the receiver, see page 17.
- If you are not within the range of the transmitter, the receiver automatically switches off after 3 minutes.



Searching for a sound source

You can use the receiver either at home with the transmitter or on the move in appropriately equipped rooms (e.g. in a theater).



- Put the receiver on.
The channel indicator ① on the receiver lights up:



For an overview of the channel indicator indications, see table below.

Do you hear the desired sound source?

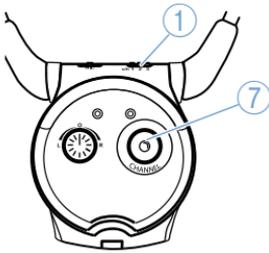
Yes:

The receiver has already found the sound source.

No:

- Briefly press the channel search button ⑦.

The sound source is searched for. On the receiver, the channel indicator ① can light up as follows:



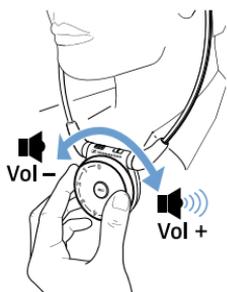
Channel indicator	Frequency	You hear the sound in
	2.3 + 2.8 MHz	stereo
	2.3 MHz	mono
	2.8 MHz	
	95 kHz	

- If you still haven't found your sound source, press the channel search button ⑦ once more.

Notes:

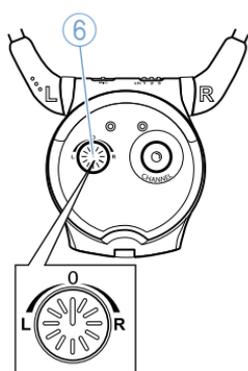
- The channel indicator ① goes off after 30 seconds so that the light won't disturb you in a dark room.
- When using the receiver without the transmitter on the move (e.g. in a theater), please note that different information can be transmitted on the channels. Ask an employee of the venue which information is transmitted on which channel.

Adjusting the volume



- ▶ Use the volume control ③ to adjust the volume to a sufficient and comfortable level.

Adjusting the balance

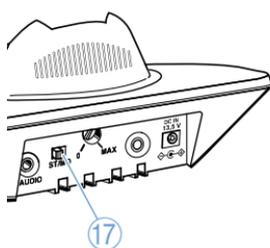


The balance control allows for right/left volume adjustment. Adjust the balance so that you hear equally well with both ears.

- ▶ Turn the balance control ⑥ to the left L or right R in order to increase the volume for the corresponding ear.

Switching between mono and stereo operation

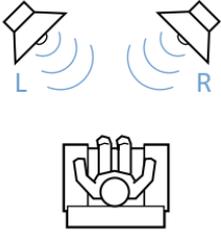
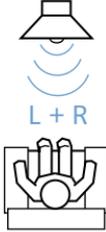
If, despite a correct balance adjustment, you can hear the sound only with one ear:



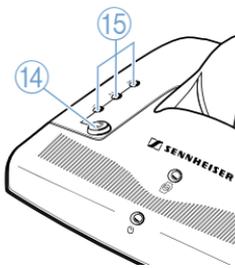
- ▶ Set the ST/MO switch ⑱ on the transmitter to MO (mono).



Meaning of the terms “mono” and “stereo”

Stereo (ST)	Mono (MO)
	
Example: L: Speech from the left R: Music from the right	
You hear speech from the left and music from the right.	You hear speech and music coming from the front.

Individually enhancing the speech intelligibility



The “speech intelligibility” button **14**  allows you to adjust the sound to your individual needs. Try out which setting works best for you.

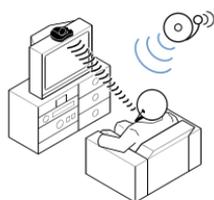
- ▶ Press the “speech intelligibility” button **14**  until the sound is optimally adjusted to your needs.

Press the button	1 x	2 x	3 x	4 x
Indicator 15 lit yellow				
Setting	1	2	3	Default setting

If necessary, you can have the speech intelligibility fine adjusted to your hearing ability (see “Fine adjusting the speech intelligibility” on page 27).

Switching the microphones on/off

The microphones openings at the sides of the receiver pick up the sounds of your surroundings. When the microphones are switched on, you will hear your surroundings louder. You can hear for example your door bell, your telephone or your conversational partner even when you are wearing the receiver. The microphones can be used in two different hearing situations:



Hearing situation 1:

You want to hear the sound of your sound source **and** your surroundings.



Hearing situation 2:

You **only** want to hear your surroundings and you use the receiver as an assistive listening device which helps you to better hear other people.

Switching the microphones on (hearing situation 1 and 2)

- ▶ Press the microphone button **4** . The microphone indicator **2** lights up. You hear 2 short, ascending beeps and then your surroundings.

Make sure that the microphone openings **5** are not covered!

Hearing situation 2

When you hear a sound source which you do not want to hear, you can switch off the sound transmission as follows:

- ▶ Press the channel search button **7**. The channel indicator **1** goes off. You only hear  your surroundings.
- ▶ Press the channel search button **7** once more to switch the sound source on again.

Switching the microphones off

- ▶ Press the microphone button (4) (MIC) once more. The microphone indicator (2) goes off. You hear 2 short, descending beeps and then only your sound source.

Storing and charging the receiver

Do not store the receiver on a glass dummy head, chair armrest, or similar for long periods of time as this can reduce the contact pressure of the earbuds. Furthermore, with the earbuds pulled apart, the receiver remains switched on.



- ▶ After use, place the receiver into the transmitter's charging compartment (9) without exerting too much pressure.

When the receiver is placed correctly into the charging compartment, the indicator (12) lights up:



red: The battery is being charged.

green: The battery is fully charged.

Notes:

- With a fully charged battery, the **operating time is up to 12 hours**.
- If you have several receivers, they can be used during charging.
- Always store the receiver in the transmitter's charging compartment (9) to ensure that it is fully charged. The intelligent battery charging technology prevents over-charging.

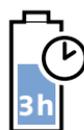
Charging a rechargeable battery in the transmitter's charging compartment

You can charge the receiver's rechargeable battery or a spare BA 300 rechargeable battery (not included in the delivery of the Set 900) in the charging compartment ⑩ at the side of the transmitter.

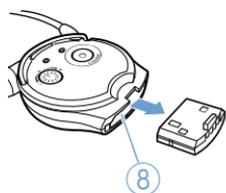
The spare battery offers extended listening time while the discharged first battery is being recharged.

Note:

Before using the spare rechargeable battery for the first time, charge it for at least 3 hours.

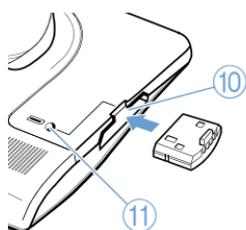


Removing and charging the receiver's battery



To remove the receiver's battery:

- ▶ Pull the battery out of the receiver's battery compartment ⑧.



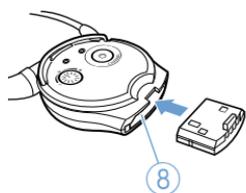
- ▶ Insert the receiver's battery into the charging compartment ⑩ at the side of the transmitter as shown.

When the battery is inserted correctly into the charging compartment, the indicator ⑪ lights up:



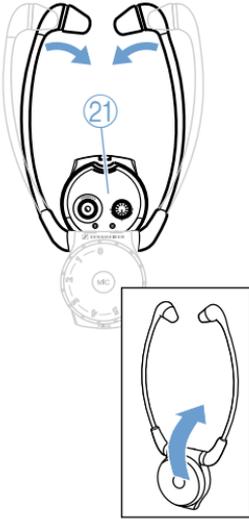
red: The battery is being charged.

green: The battery is fully charged.



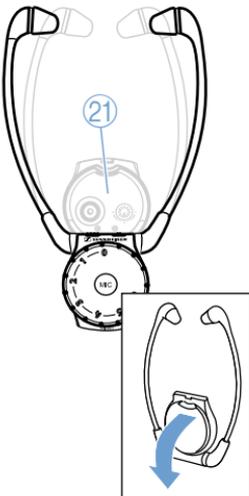
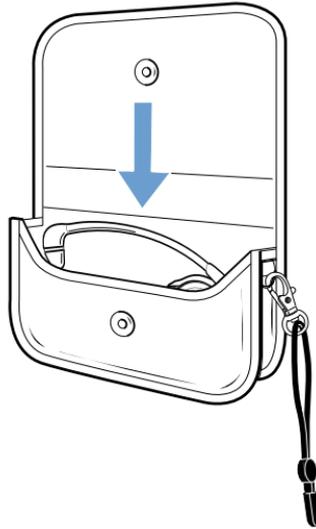
- ▶ Slide the battery into the receiver's battery compartment ⑧ as far as it will go.

Folding up the receiver for transportation



To fold up the receiver:

- ▶ Carefully turn the operating element 21 upwards.
- ▶ For safe transportation, place the receiver into the supplied transport case as shown.



The transport case has two additional compartments for storing a spare rechargeable battery and your spare earpads.

- ▶ Attach the hand strap to your transport case.

To unfold the receiver:

- ▶ Carefully turn the operating element 21 downwards as shown.

What if...

...this indicator lights up?

Indicator	Status	Meaning
 Channel indicator ① on the receiver	lit yellow	Receiver has just been switched on or a button has just been pressed.
	off	Receiver is switched on for more than 30 secs. and no button has been pressed.
		Receiver is switched off.
 Microphone indicator ② on the receiver	lit red	Microphones are switched on.
	off	Microphones are switched off.
 Operation indicator ⑬ on the transmitter	lit green	Transmitter is switched on.
	off	Transmitter is switched off.
 Charging indicator ⑫	lit red	Rechargeable battery is being charged.
 Charging indicator ⑪	lit green	Rechargeable battery is fully charged.
3 ○ 2 ● 1 ○ “Speech intelligibility” indicator ⑮ on the transmitter	lit yellow	Speech intelligibility enhancement is switched on.
	off	Speech intelligibility enhancement is switched off.

...you press this button?

Button	Function	see page
Microphone button ④ on the receiver	Switches the microphones on and off.	16
Channel search button ⑦ on the receiver	Searches for the sound source or a different channel.	12
	Switches the sound transmission off (only when the microphones are switched on).	16
“Speech intelligibility” button ⑭  on the transmitter	Selects one of the possible settings in order to individually enhance the speech intelligibility	15

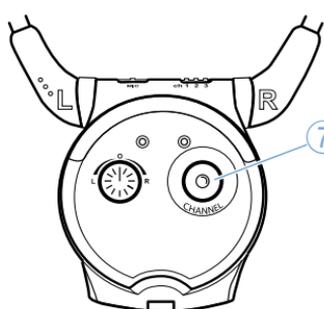
...you change the position of this control/switch?

Control/switch	Function	see page
Volume control ③ on the receiver	Reduces or increases the volume of the receiver.	14
Balance control ⑥ on the receiver	Increases the volume for the left or the right ear.	14
Mono/stereo slide switch ⑰ on the transmitter	Sets the transmitter to mono or stereo operation.	14
Treble adjustment control ⑱ on the transmitter	Treble adjustment is only to be made by a hearing aid technician / an expert.	27

...you hear acoustic signals or warning signals?

Acoustic signal		Meaning
	2 ascending beeps	The microphones have just been switched on.
	2 descending beeps	The microphones have just been switched off.
	1 acknowledgement beep	The channel search button has been pressed once briefly.
		The channel search button has been pressed for 6 secs.
	1–3 short beeps	The receiver is set to channel 1, 2 or 3.

Warning signal		Meaning
	6 short beeps	The receiver does not receive any signal from the transmitter: <ul style="list-style-type: none"> • Transmitter and receiver are too distant. The receiver switches off after 3 minutes. • The transmitter is switched off.
	2 long beeps	The rechargeable battery is almost flat.



To switch the acoustic signals on and off:

- ▶ Press the channel search button ⑦ on the receiver for approx. 5 seconds. You hear a short acoustic signal.

Note:

Warning signals cannot be switched off.

Cleaning the Set 900

Cleaning the transmitter and the receiver

CAUTION! Liquids can damage the electronics of the devices!

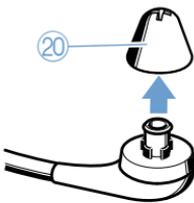


Liquids entering the housing of the devices can cause a short-circuit and damage the electronics.

- ▶ 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.

Cleaning the earpads



- ▶ Carefully remove the earpads ②① from the receiver.
- ▶ Clean the earpads ②① with warm soapy water and rinse thoroughly.

- ▶ Dry the earpads ②①.
- ▶ Put the earpads back on the receiver.

Note:

For reasons of hygiene, you should replace the earpads ②① from time to time. Spare earpads are available from your Sennheiser dealer (see "Accessories and spare parts" on page 30).

If a problem occurs ...

The transmitter does not switch on

Possible cause	Solution
Is the mains unit connected correctly?	Check the connection of the mains unit to the transmitter and to the mains (see page 10).
Is the sound source switched on?	Switch your sound source on.
Is the volume of the sound source sufficient?	Set the volume on your sound source to a medium value.
Is the transmitter set to operating mode 2 (see page 28)?	Take the receiver out of the charging compartment. The transmitter automatically switches on.

You cannot hear anything

Possible cause	Solution
Is there a free line of sight between receiver and transmitter?	Remove obstacles in the light path between receiver and transmitter.
Is the receiver still within the transmitter's range?	Move the receiver closer to the transmitter.
Are transmitter and receiver exposed to direct sunlight?	Avoid exposure to direct sunlight.
Are all connectors connected correctly?	Check the connection between the transmitter and your sound source (see page 7).
Is the operation indicator  lit?	Check if the transmitter is switched on (see page 11).
Is the transmitter set up the wrong way round?	Set up the transmitter so that the cables are guided away from the receiver (see page 6).

Possible cause	Solution
Does the receiver's Sennheiser logo face the transmitter?	Wear the receiver the right way round, with the Sennheiser logo facing the transmitter.
Is the volume of the sound source sufficient?	Set the volume on your sound source to a medium value.
Is the volume of the receiver sufficient?	Increase the volume by turning the volume control ③ on the receiver (see page 14).
Is the rechargeable battery inserted properly into the receiver and fully charged?	Check if the channel indicator ① is lit. If it is not lit: recharge the rechargeable battery (see page 17).
Is the sound source switched off?	Press the channel search button ⑦ (see "Hearing situation 2" on page 16).

You hear the sound only with one ear

Possible cause	Solution
Is the balance adjusted correctly?	Turn the balance control ⑥ to the left or right (see page 14).
Is the transmitter set to mono?	Set the mono/stereo switch ⑰ on the transmitter to the left (see page 14).

The sound of your sound source is hardly intelligible

Possible cause	Solution
Is the speech intelligibility enhancement out of adjustment?	Press the "speech intelligibility" button ⑭  on the transmitter until the sound is optimally adjusted to your needs (see page 15).
Is the receiver still within the transmitter's range?	Move the receiver closer to the transmitter.
Are the microphones switched on?	Press the "Microphone" button ④ on the receiver (see page 16).
Do you use a plasma TV screen?	Make sure that the transmitter is placed as far as possible from your plasma TV screen (see page 6).

The loudspeakers of your TV are muted

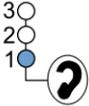
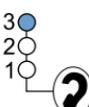
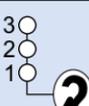
Possible cause	Solution
Some TVs have a function that mutes the loudspeakers when you connect a transmitter.	Via the operating menu of your TV, check if and how the muting function can be deactivated.
	Use either a different audio socket on your TV or use the MKE 800 TV-N external microphone (see "Accessories 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 15). There are the following settings:

Setting	Indicator ⑮ lit yellow	Fine adjustment
1	 A vertical stack of three circles labeled 3, 2, and 1. The bottom circle (1) is filled with blue, and a line connects it to a yellow question mark icon.	Compression
2	 A vertical stack of three circles labeled 3, 2, and 1. The middle circle (2) is filled with blue, and a line connects it to a yellow question mark icon.	Treble boost
3	 A vertical stack of three circles labeled 3, 2, and 1. The top circle (3) is filled with blue, and a line connects it to a yellow question mark icon.	Compression and treble boost
Default setting	 A vertical stack of three circles labeled 3, 2, and 1. The bottom circle (1) is filled with blue, and a line connects it to a yellow question mark icon.	No fine adjustment made

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.

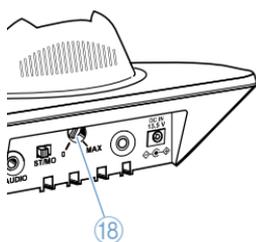
Compression is self-regulating; once it has been activated, it is not necessary to make any other settings.

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 ⑮ on the rear of the transmitter.

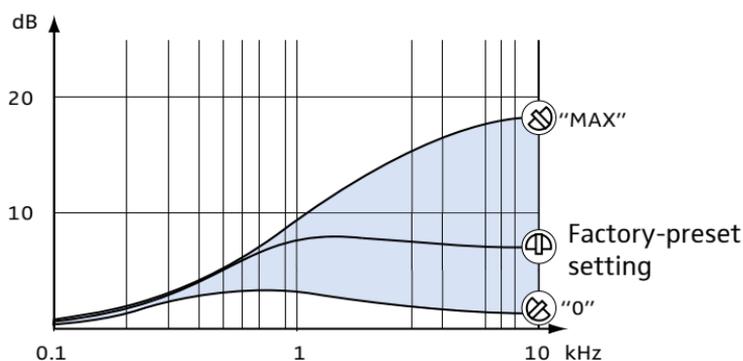


- ▶ Use a screwdriver to turn the treble boost control (18) the left or right until the sound can be heard very well. The position "0" corresponds to a minimum boost, the position "MAX" corresponds to a maximum boost, and the control is factory-preset to the medium position.

Function of the treble boost control

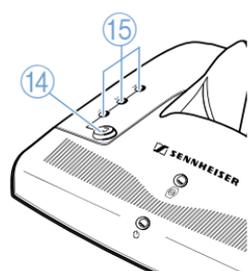
By means of the transmitter's steplessly adjustable treble boost control the audio signal is boosted as shown in the diagram.

The treble boost control allows you to select one of the curves shown in the diagram below.



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.

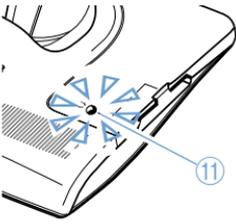


- ▶ Press the "speech intelligibility" button (14) for approx. 5 seconds.

The indicator (15) goes off. The charging indicator for the spare rechargeable battery (11) flashes several times:



- red: operating mode 2
- green: operating mode 1 (factory-preset)



If the operating mode was changed successfully, the charging indicator for the spare rechargeable ⑪ goes off and the indicator ⑮ lights up again.

Particularities of operating mode 2:

In operating mode 2, the transmitter is **not** switched on by the sound signal from the sound source.

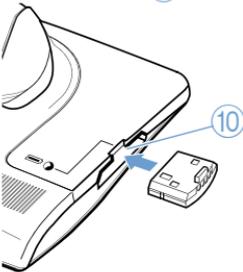
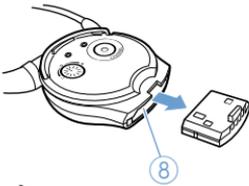
To **switch** the transmitter **on**:

- ▶ 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 ⑧.
- ▶ Insert the battery into the charging compartment ⑩ at the side of the transmitter (see "Removing and charging the receiver's battery" on page 18).
- ▶ Slide the battery into the transmitter's charging compartment ⑩ as far as it will go.

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 use original Sennheiser accessories and spare parts.
-

Do you wish to use additional receivers?

The following receivers are available from your specialist dealer:

Cat. No.	Accessory/spare part
502023	RI 900 stethoset receiver
502020	RI 830 stethoset receiver
502021	RI 830 S receiver

The following Set 900 accessories are available from your specialist dealer:

Cat. No.	Accessory/spare part
500898	BA 300 spare rechargeable battery
528123	Earpads (silicone, black), 5 pairs
528124	Earpads (silicone, transparent), 5 pairs
528125	Earpads (foam, black), 5 pairs
531428	Swivel joint for earpad
528126	RI 900 transport case
500974	MKE 800 TV-N external microphone (mono)
517627	Extension cable, 3 m (3.5 stereo jack plug)
077798	SCART adapter

Specifications

System

Modulation	FM, stereo
Frequency response	50 Hz–16,000 Hz
THD	< 1 %
Charging time for rechargeable battery	approx. 3 hours
Signal-to-noise ratio (1 mV, peak deviation)	typ. 75 dB(A)
Temperature range	Operation: 10°C to 40°C

Transmitter

Transmission frequencies	2.3 MHz/2.8 MHz
Range	up to 12 m within a room
Audio/microphone connection	3.5 mm stereo jack socket
Power supply via NT 13 mains unit	13.5 V DC/450 mA
Max. power consumption	4.7 W (incl. battery charging)
Standby consumption	< 0.5 W (w/o battery charging)
Weight	approx. 260 g
Dimensions	approx. 115 x 145 x 40 mm

Receiver

Max. SPL	125 dB (SPL)
Receiving frequencies	2.3 MHz/2.8 MHz/95 kHz
Power supply	via BA 300 rechargeable Li-Ion battery (3.7 V / 150 mAh)
Operating time	up to 12 hours
Weight	approx. 73 g (incl. BA 300)
Dimensions	approx. 240 x 120 x 25 mm

NT 13 mains unit

Nominal input voltage	100 V~ to 240 V~
Mains frequency	50–60 Hz
Nominal output voltage	13.5 V ===
Nominal output current	450 mA
Energy efficiency	DOE Level VI
Temperature range	Operation: 5°C to 40°C
Relative humidity	Operation: 10 to 90%, non condensing

NT 13 plug-in power supply unit in accordance with

Europe	EMC: EN 55013, EN 55020 Safety: EN 60950-1
USA	EMC: 47CFR15_B Safety: UL 60950-1
Canada	EMC: ICES-003 Safety: CAN/CSA-C22.2 NO. 60950-1
Australia	EMC: AS/NZS 4268 Safety: AS/NZS 60950-1

The NT 13 plug-in power supply unit is certified in accordance with the safety requirements of legislation in Europe, the US, Canada and Australia.

Manufacturer declarations

Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product.

For the current warranty conditions, please visit our website at www.sennheiser.com or contact your Sennheiser partner.

FOR AUSTRALIA ONLY

Sennheiser's goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to other rights or remedies under law. Nothing in this warranty excludes, limits or modifies any liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law.

To make a claim under this warranty, contact Sennheiser Australia Pty Ltd, Unit 3, 31 Gibbes Street, Chatswood NSW 2067, Australia; Phone: (02) 9910 6700, email: service@sennheiser.com.au.

All expenses of claiming the warranty will be borne by the person making the claim.

The Sennheiser International Warranty is provided by Sennheiser Australia Pty Ltd (ABN 68 165 388 312), Unit 3, 31 Gibbes Street, Chatswood NSW 2067, Australia.

In compliance with the following requirements

- WEEE Directive (2012/19/EU)



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 & 2013/56/EU)



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



- EMC Directive (2014/30/EU)
- Low Voltage Directive (2014/35/EU)
- RoHS Directive (2011/65/EU)
- ErP Directive (2009/125/EC)

The declaration is available at www.sennheiser.com/download. Before putting the devices into operation, please observe the respective country-specific regulations.

In compliance with

Europe	
Australia/ New Zealand	
Canada	CAN ICES-3 (B)/NMB-3(B)
USA	

Statements regarding FCC and Industry Canada

FCC Declaration of Conformity (DoC)	
 SENNHEISER Model No: Set 900	
We,	Sennheiser Electronic Corporation One Enterprise Drive • Old Lyme • CT 06371 • USA Tel: +1 (860) 434 9190 Fax: +1 (860) 434 1759
declare the above device comply with the requirements of Federal Communications Commission.	
This device complies with Part 15 of the FCC rules. Operation is subjected 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.	
Responsible Party: Markus Warlitz	

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!

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