

RS 195

Digital Wireless Headphone System



Instruction manual

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Important safety information

- ▶ Read this instruction manual carefully and completely before using the product.
- ▶ Always include this instruction manual when passing the product on to third parties.
- ▶ Do not use an obviously defective product.

Preventing damage to health and accidents

- ▶ Protect your hearing from high volume levels. Permanent hearing damage may occur when headphones are used at high volume levels for long periods of time. Sennheiser headphones sound exceptionally good at low and medium volume levels.
- ▶ Keep the headphones at least 10 cm/3.94" from cardiac pacemakers or implanted defibrillators. The headphones contain magnets that generate a magnetic field which could cause interference with cardiac pacemakers and implanted defibrillators.
- ▶ Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents and choking hazards.
- ▶ Do not use the product in situations which require special attention (e.g. in traffic or when performing skilled jobs).

Preventing damage to the product and malfunctions

- ▶ Always keep the product dry and do not expose it to extreme temperatures to avoid corrosion or deformation. The normal operating temperature is from 0 to 40 °C/32 to 104 °F.
- ▶ Use only attachments/accessories/spare parts supplied or recommended by Sennheiser.
- ▶ Unplug the power supply unit from the AC wall outlet if you are not going to use the product for extended periods of time.
- ▶ 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.
- ▶ Do not place your headphones on a glass dummy head, chair armrest or similar objects for long periods as this can widen the headband and reduce the contact pressure of the headphones.
- ▶ Clean the product only with a soft, dry cloth.

Intended use/Liability

This wireless headphone system is suitable for use with hi-fi systems, TV sets, and home cinema systems that can support either or both analog and digital inputs.

This product is intended for private domestic use only. It is not suitable for commercial use. This product is also not intended to be used with portable audio devices.

It is considered improper use when this product is used for any application not named in the associated product guides and instruction manual.

Sennheiser does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories.

Safety instructions for standard/rechargeable batteries



WARNING

In extreme cases, the standard/rechargeable batteries may leak and may cause the following hazards if abused or misused:

- explosion
- fire
- heat
- smoke/gas

	Keep away from children.		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.		When not using rechargeable batteries for extended periods of time, charge them regularly (about every 3 months).
	Do not mutilate or dismantle.		When not using the product for extended periods of time, remove the standard/rechargeable batteries.
	Observe correct polarity.		Use only rechargeable batteries and chargers recommended by Sennheiser.
	Pack/store standard/charged rechargeable batteries so that the terminals cannot contact each other – danger of shorting out/ fire hazard.		Do not continue using defective standard/rechargeable batteries and dispose of them immediately
	Switch battery-powered products off after use.		Immediately remove standard/rechargeable batteries from an obviously defective product.
	Charge rechargeable batteries at ambient temperatures between 10 and 40 °C/50 and 104 °F.		Dispose of standard/rechargeable batteries at special collection points or return them to your specialist dealer.
	Do not charge standard batteries.		Do not mix standard and rechargeable batteries in the battery compartments.

The RS 195 digital wireless headphone system

The RS 195 is your personal hearing and ultimate audio companion, providing you with all of the unparalleled sound quality, ease of use and wearing comfort that you expect from a Sennheiser product.

Whether you are watching television or listening to music, the RS 195 ensures that you won't miss a thing: Highly innovative digital wireless technology guarantees crystal clear signal transmission with low latency even while you move from room to room, and the various listening modes allow you to adapt the sound according to your individual needs and preferences. With the RS 195 you'll be able to hear the subtle nuances of dialogues and the slight details of your favorite music like never before.

And although these headphones deliver state-of-the-art performance, their user-friendly design keeps things simple. The convenient controls make it easy to take advantage of the host of features, and the ergonomic design provides a comfortable fit, even after hours of listening.

Sennheiser's RS 195: Personal and adaptable to your listening needs!

Features

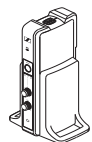
- Closed, circumaural headphones with excellent digital wireless audio transmission
- Exceptional digital audio clarity and transmission range of up to 328 ft/ 100 m (line of sight)
- Selectable hearing boost presets and an additional noise suppression mode for clearer dialogues and superior speech intelligibility
- Or choose the music listening mode which reproduces music with an increased dynamic range to preserve the sound image in the best possible way
- Supports analog and digital audio inputs and allows toggling between the inputs
- Multi-purpose transmitter – also functions as "easy-charge" cradle and docking station
- Balance control for right/left volume adjustment
- Ergonomic design for enhanced wearing comfort
- 2-year warranty



Package includes



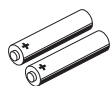
HDR 195 headphones



TR 195 transmitter



Power supply unit with multi-country adapters
(EU, UK, US, AU)



Low self-discharge NiMH rechargeable batteries, AAA size



Optical digital cable, 1.5 m



Stereo audio cable with 3.5 mm jack plugs, 2 m



Quick guide in 15 languages



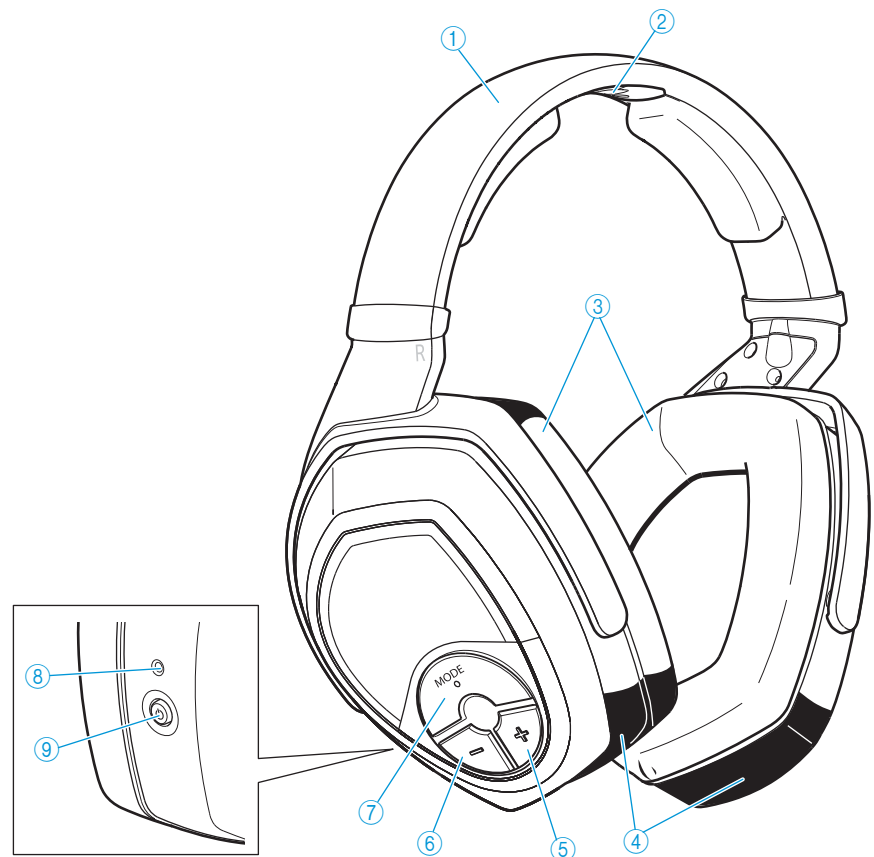
Brief instruction manual in German, English and French
including CD with detailed instruction manual (PDF files)
in 15 languages



Safety guide in 15 languages

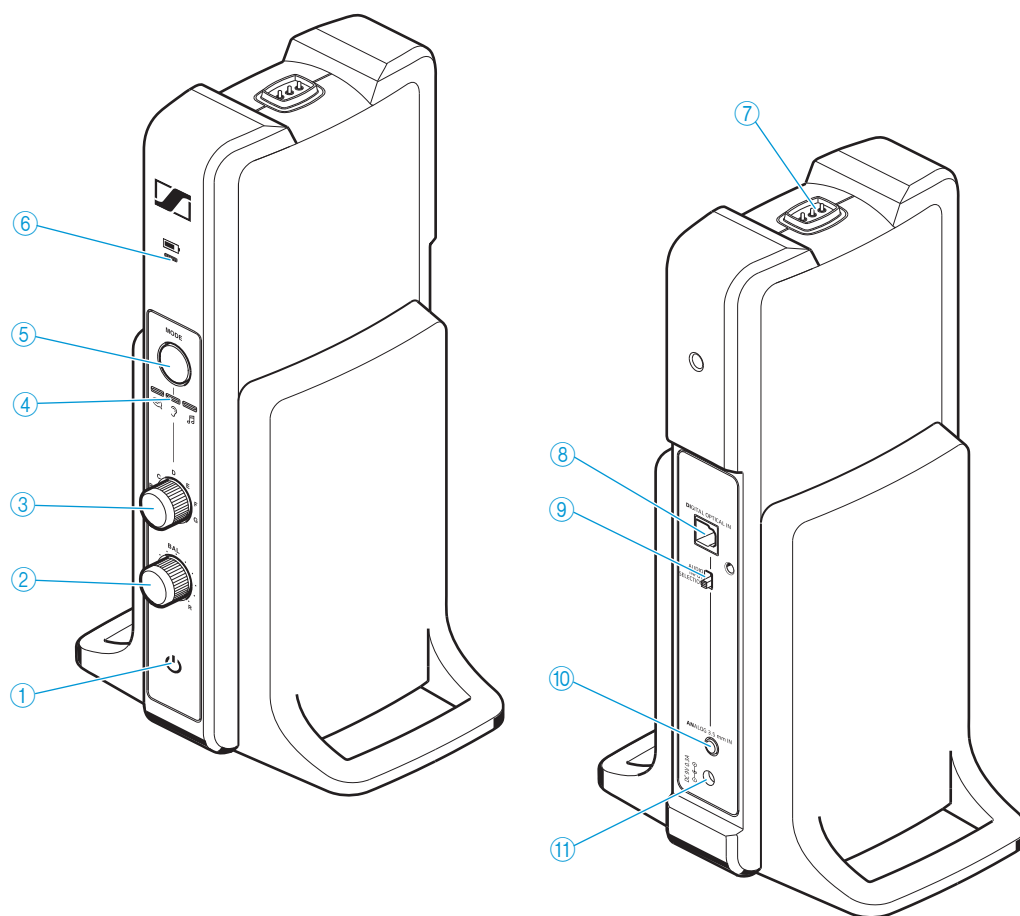
Product overview

Overview of the HDR 195 headphones



- ① Headband
- ② Charging contacts
- ③ Ear pads
- ④ Ear cups/Battery compartments
- ⑤ Volume + button
- ⑥ Volume - button
- ⑦ **MODE** button
for personal hearing
- ⑧ HDR status LED
- ⑨ HDR power button 

Overview of the TR 195 transmitter

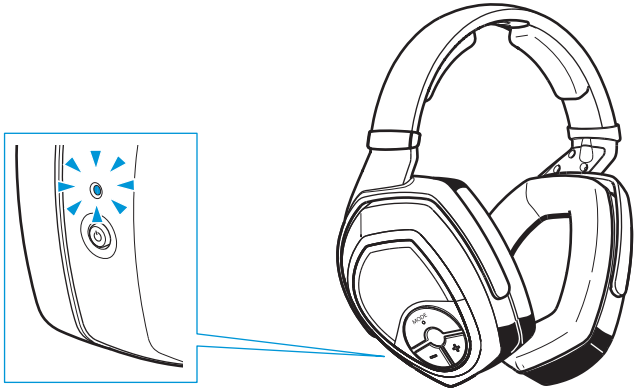


- | | |
|---|---|
| ① TR status LED  | ⑦ Charging contacts |
| ② BAL control for adjusting the balance | ⑧ DIGITAL OPTICAL IN Digital optical audio input |
| ③ A-G rotary switch for selecting the hearing profile | ⑨ AUDIO INPUT SELECTION switch, for digital or analog audio input selection |
| ④ LEDs for personal hearing, indicating the selected sound optimization | ⑩ ANALOG 3.5 mm IN analog audio input (3.5 mm jack) |
| ⑤ MODE button for personal hearing | ⑪ DC 9V 0.3A socket for the power supply unit |
| ⑥ Charge status LED  | |

Overview of LED indicators

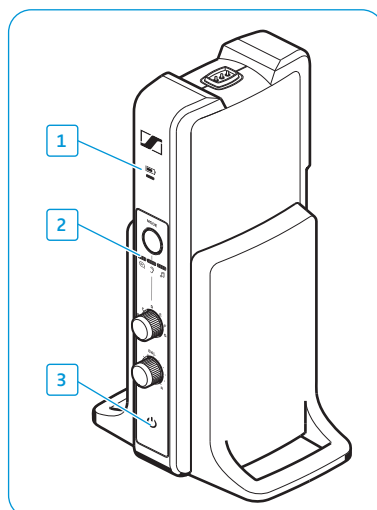
The LED indicators on the headphones and on the transmitter indicate the current operating state. If you are not using the headphones, the LED indicators automatically dim after approx. 30 seconds to not disturb you.

LED indicators on the headphones



HDR status LED	Meaning
	The headphones are switched off.
	The transmitter and headphones are connected.
	The transmitter and headphones are connected and the rechargeable batteries are almost empty.
	The headphones are disconnected from or cannot connect to the transmitter.
	The headphones are disconnected from or cannot connect to the transmitter and the rechargeable batteries are almost empty.

LED indicators on the transmitter



1

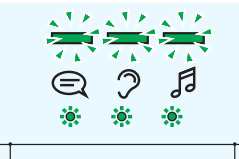
Charge status LED	Meaning
	The transmitter is not charging.
	The rechargeable batteries are being charged.
	The rechargeable batteries are fully charged.
	A charging/battery fault has been detected.

After taking the headphones from the holder, the charge status LED indicates the approximate operating time:

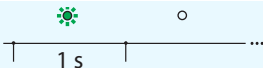
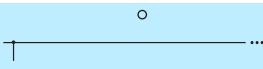
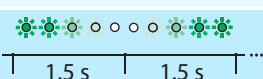
Charge status LED	Operating time	Battery capacity
	up to 4 hours	0-25%
	approx. 4 to 9 hours	25-50%
	approx. 9 to 14 hours	50-75%
	approx. 14 to 18 hours	75-100%

2

Personal hearing LED	Meaning
	One of the hearing profiles A-G for hearing enhancement is selected.
	In addition to the selected hearing profile, speech intelligibility is improved as annoying noise is reduced.
	The selected hearing profile reproduces music with an increased dynamic to preserve the sound image in the best possible way.

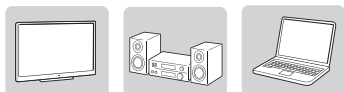
Personal hearing LED	Meaning
	Personal hearing is switched off and the selected hearing profile is deactivated; the sound from the audio source is reproduced unchanged (normal hearing).
	If all three LEDs flash three times, more than one pair of headphones is connected to the transmitter. Switch off the other headphones in order to activate personal hearing.

3

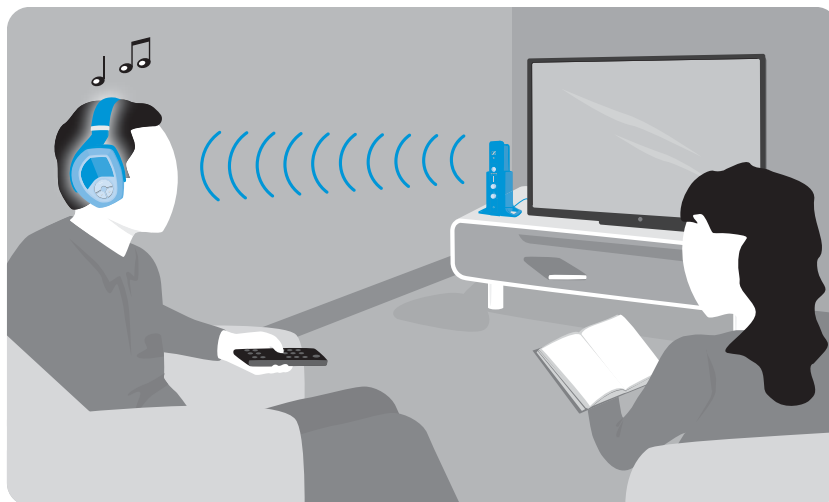
TR status LED 	Meaning
	The transmitter is connected to the AC wall outlet.
	The transmitter is in standby mode.
	The transmitter and headphones are connected.
	The transmitter detects an incompatible digital audio streaming input.

Putting the RS 195 into operation

Setting up the transmitter



- ▶ Choose a suitable place near your audio source.
- ▶ Separate the transmitter from other wireless devices in the room by at least 50 cm/20" to avoid interference.
- ▶ Do not place the transmitter close to metal objects such as shelf bars, reinforced concrete walls, etc. as this can decrease the transmission range of the transmitter.



Connecting the transmitter to an audio source

You can simultaneously connect 2 different audio sources (e.g. a TV and a stereo hi-fi system) to the transmitter. The transmitter features a digital as well as an analog audio input. If you connect 2 audio sources, you can toggle between them using the **AUDIO INPUT SELECTION** switch (see page 21).

 You can also refer to the beginner's video guides on how to connect your digital wireless headphone system to a TV at www.sennheiser.com/how-to-videos.

- ▶ Switch your audio source off before connecting the transmitter.
- ▶ Check the connection options available for your audio source (audio output, usually marked "OUT").
- ▶ Select the corresponding connection cable and, if necessary, a suitable adapter.
- ▶ Depending on the connection option selected, go to the respective chapter and follow the instructions on how to connect the transmitter to an audio source.

Connection options available for your audio source		Connection cable	Page
	Optical (digital)	Optical digital cable	13
	3.5 mm or 6.3 mm/ 1/4" jack socket (analog)	Stereo audio cable; in case of a 6.3 mm/ 1/4" jack socket: with adapter 3.5 mm jack socket to 6.3 mm/ 1/4" jack plug (to be ordered separately)	14
	RCA (analog)	Stereo audio cable with adapter 3.5 mm jack socket to 2 RCA plugs (to be ordered separately)	15

 You can purchase accessories and adapters from your local Sennheiser partner.

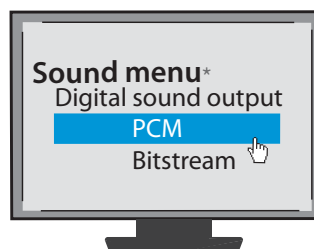
A**Connection option A: Optical (digital)**

To achieve the best possible listening experience, we recommend that you connect your RS 195 headphone system to your home cinema or hi-fi system using the supplied optical digital cable.

Your wireless headphone system allows digital audio streaming using only PCM audio output from devices connected through the optical digital input **DIGITAL OPTICAL IN**. Refer to the sound menu or the instruction manual of your device to change from another audio stream (e.g. Bitstream) to PCM.

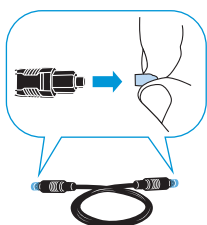


Digital

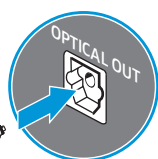
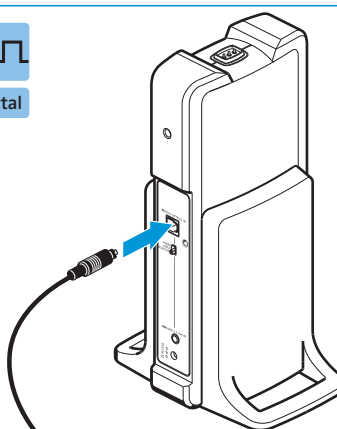


*Sound menu may vary

- ▶ Switch your audio source off before connecting the transmitter.
- ▶ Pull off the clear protective caps from both plugs before connecting the cable.
- ▶ Connect one end of the optical digital cable to the **DIGITAL OPTICAL IN** input of the transmitter and the other end to the optical output of your audio source.



Digital

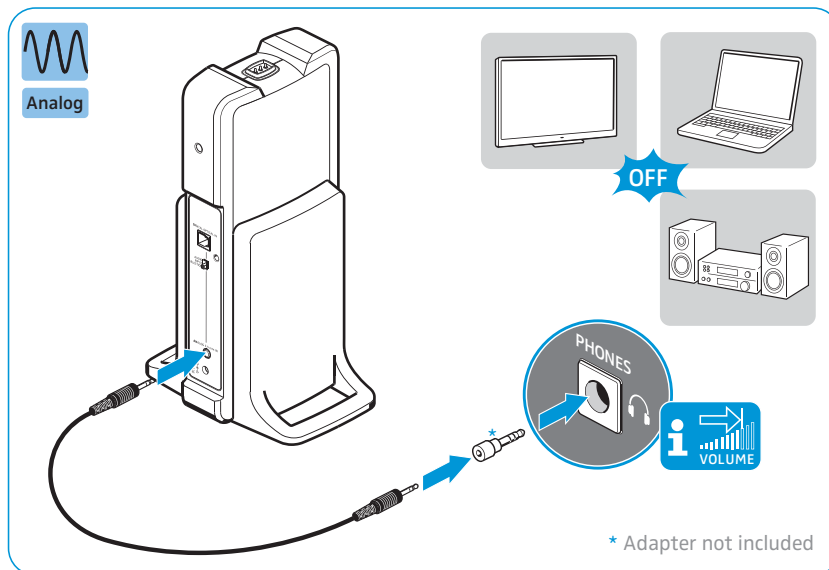


B

Connection option B: 3.5 mm or 6.3 mm/1/4" jack socket (analog)

Some TV models mute the loudspeakers when you connect the transmitter to the headphone socket. Check in the menu of your TV to see if the muting function can be deactivated. Alternatively, connect the TV and the transmitter using a different option (A or C).

- ▶ Switch your audio source off before connecting the transmitter.
- ▶ If necessary, connect the adapter 6.3 mm/1/4" jack plug onto the stereo audio cable.
- ▶ Connect the stereo audio cable to the 3.5 mm jack socket of the transmitter and to the headphone socket of your audio source.

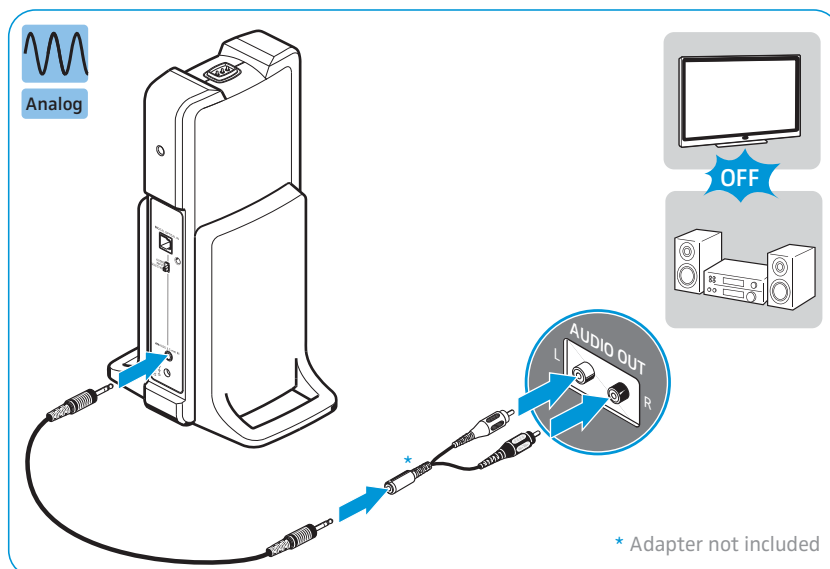


- i** Adjust the volume of the headphone socket on your audio source to at least about the medium level.

C

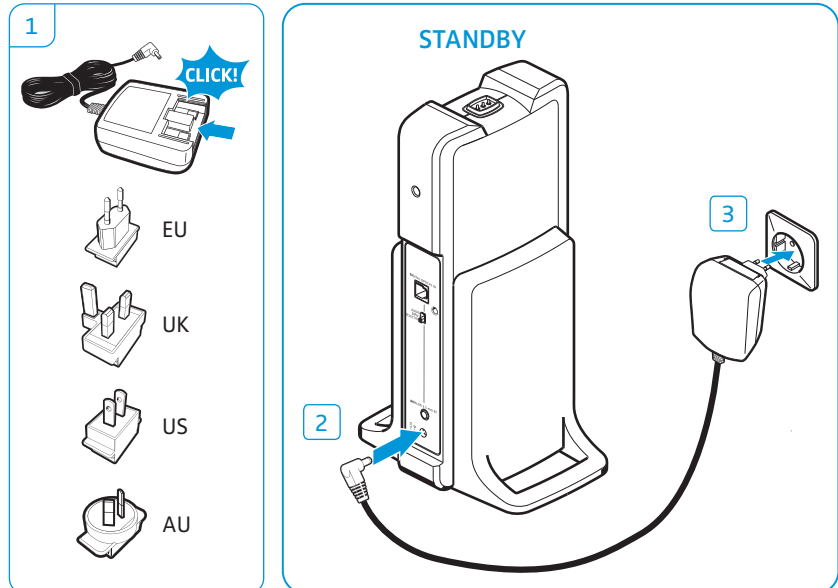
Connection option C: RCA (analog)

- ▶ Switch your audio source off before connecting the transmitter.
- ▶ Plug the RCA adapter onto the stereo audio cable.
- ▶ Connect the stereo audio cable to the 3.5 mm jack socket of the transmitter.
- ▶ Connect the RCA plugs to the RCA outputs of your audio source (in most cases "AUDIO OUT"). Connect the red RCA plug to the red RCA socket and the white RCA plug to the white or black RCA socket.



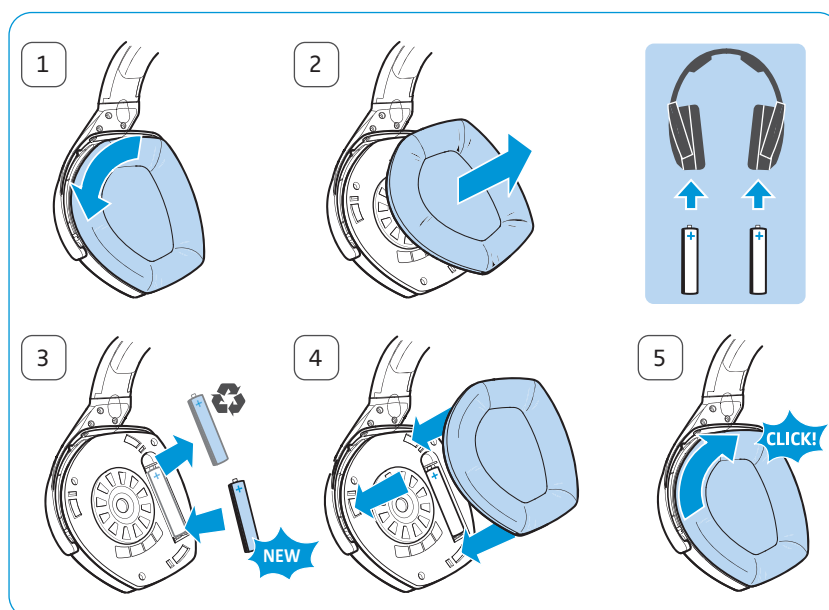
Connecting the transmitter to an AC wall outlet

- 1 Select a suitable country adapter and slide it onto the power supply unit until it locks firmly in place.
- 2 Connect the power supply unit connector to the power input socket of the transmitter.
- 3 Plug the power supply unit into an AC wall outlet.
The TR status LED  lights up for a second. The transmitter is in standby mode.



Inserting or replacing the rechargeable batteries

- 1 Lightly twist the ear pads counterclockwise until you overcome a slight resistance.
- 2 Lift the ear pads off the ear cups to reveal the battery compartments.
- 3 Insert the rechargeable batteries into the compartments. To replace the batteries, pull the batteries out of the compartments and insert the new ones. Be sure to observe correct polarity when inserting the batteries. Dispose of old batteries as special waste or return them to your specialist dealer.
- 4 Hook the ear pads onto the ear cups. As you put back the ear pads, observe the **L** (left) and **R** (right) markings on the rear of the ear pads.
- 5 Twist the ear pads clockwise until you hear a click sound. Ensure that they are locked firmly onto the ear cups.



i You can also power the headphones using standard batteries (AAA size, 1.5 V). Note however, that standard batteries are not rechargeable, and if you are using non-rechargeable batteries, you must not place the headphones on the headphones holder.