RS 175

Digital Wireless Headphone System

Instuction Manual

SENNHEISER

Contents

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-splip 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 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 175 digital wireless headphone system

Taking home entertainment to the next level, Sennheiser's RS 175 offers an impressive range of features in a compact, ergonomic package, so that you can enjoy music and television to the fullest. The Bass Boost and Surround Sound listening modes will allow you to experience your home entertainment system like never before – the former increases the audio bass response while the two virtual surround modes offer a more spatial and livelier stereo sound.

What's more, the innovative digital wireless technology ensures that signal transmission remains clear and accurate as you move from room to room. Additionally, the user-friendly design makes it easy to set up and enjoy the RS 175. The main controls are located on the headphones, so nothing will distract you from an exciting audio experience, and the comfortable fit is ideal for extended periods of use.

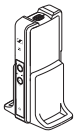
Sennheiser's RS 175: Home entertainment just got more entertaining!

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)
- Enables switching between dynamic bass and virtual surround sound listening modes for situational sound customization
- Supports analog and digital audio inputs and allows toggling between the inputs
- Intelligently designed controls for maximum ease of use
- Multi-purpose transmitter – also functions as ''easy-charge'' cradle and docking station
- Multi-receiver transmission – transmitter supports up to two pairs of headphones simultaneously
- Ergonomic design for enhanced wearing comfort
- 2-year warranty

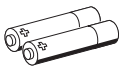
Package includes

HDR 175 headphones



TR 175 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

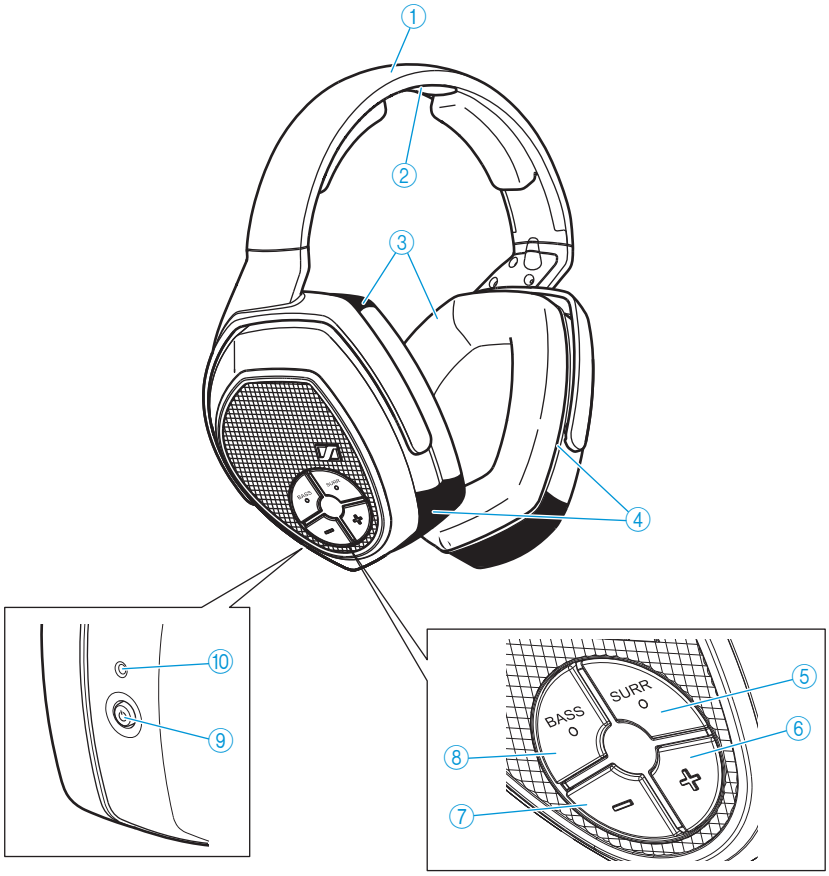
Quick guide

Instruction manual CD in 15 languages (PDF files)

Safety guide

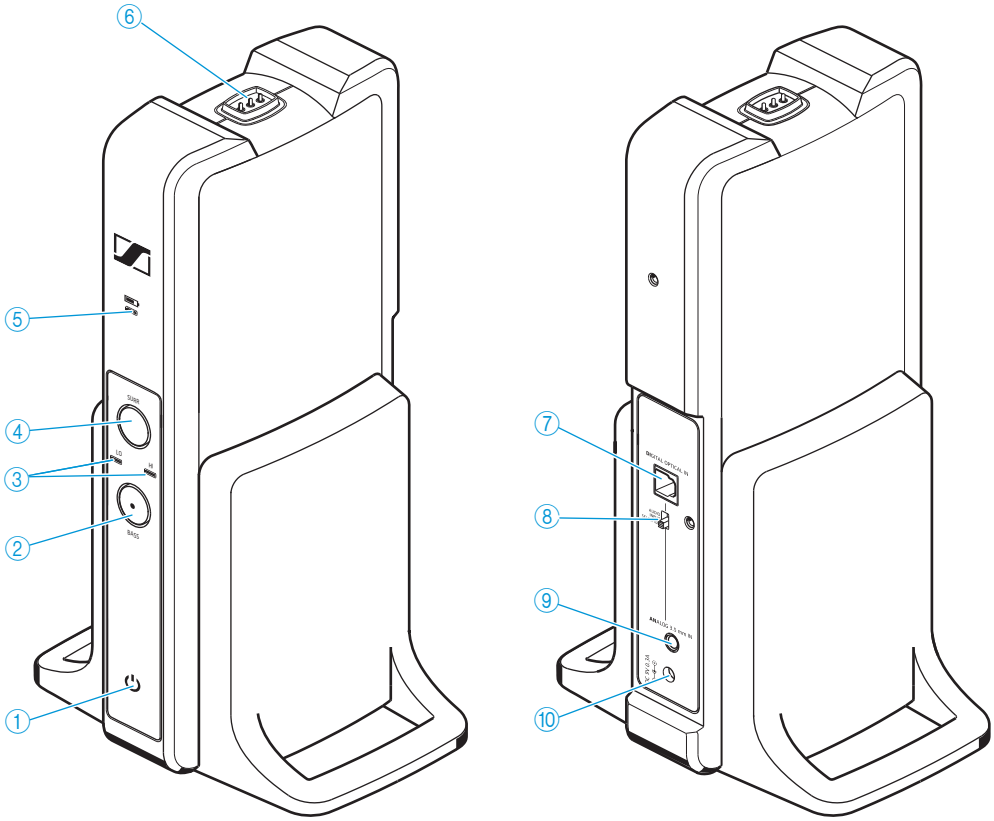
Product overview

Overview of the HDR 175 headphones



1. Headband
2. Charging contacts
3. Ear pads
4. Ear cups/Battery compartments
5. SURR Virtual surround sound button
6. Volume + button
7. Volume – button
8. BASS button
9. HDR power button ⏻
10. HDR status LED

Overview of the TR 175 transmitter



① TR status LED ⏻

② BASS button (with LED indicator)

③ Virtual surround sound LED indicators, low LO and high HI

④ SURR Virtual surround sound button

⑤ Charge status LED indicator

⑥ Charging contacts

⑦ DIGITAL OPTICAL IN Digital optical audio input

⑧ Input selection switch

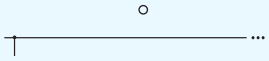
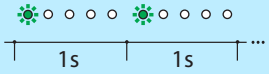
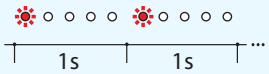
⑨ ANALOG 3.5 mm IN Analog audio input (3.5 mm jack)

⑩ DC 9V 0.3A socket for the power supply unit

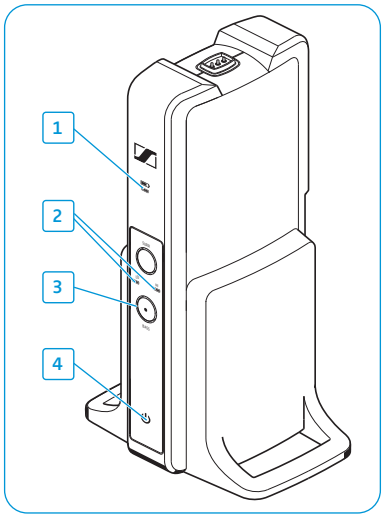
Overview of indicators

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.

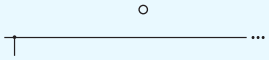
After taking the headphones from the holder, the charge status LED indicates the approximate operating time:

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%

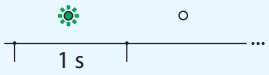
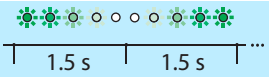
2

Surround sound LED	Meaning
○	The surround sound is deactivated.
☀	LO: Low surround sound mode is active. HI: High surround sound mode is active.

3

BASS LED	Meaning
	The dynamic bass boost is deactivated.
	The dynamic bass boost is activated.

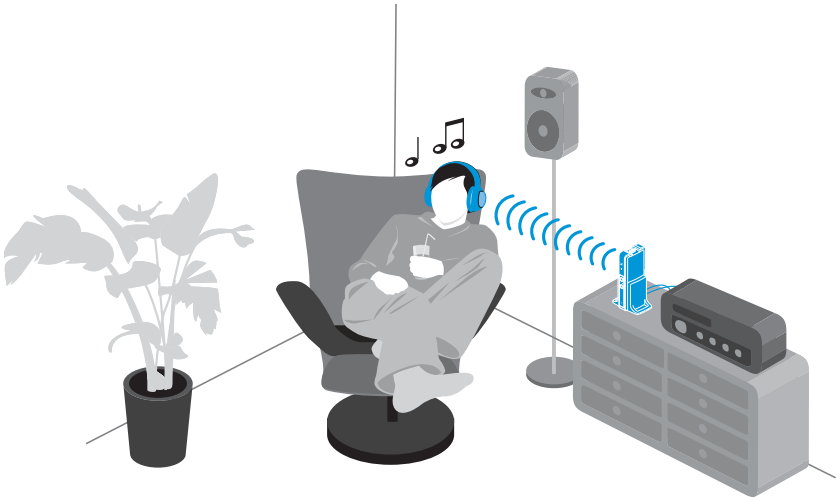
4

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 175 into operation

Setting up the transmitter

- Choose a suitable place near your audio source.
- Separate the transmitter and other wireless devices in a 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 cover 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
A	Optical (digital)	Optical digital cable	13
B	3.5 mm or 6.3 mm/¼" jack socket (analog)	Stereo audio cable; in case of a 6.3 mm/ ¼" jack socket: with adapter 3.5 mm jack socket to 6.3 mm/ ¼" jack plug (to be ordered separately)	14
C	RCA (analog)	Stereo audio cable with adapter 3.5 mm jack socket to 2 RCA plugs (to be ordered separately)	15

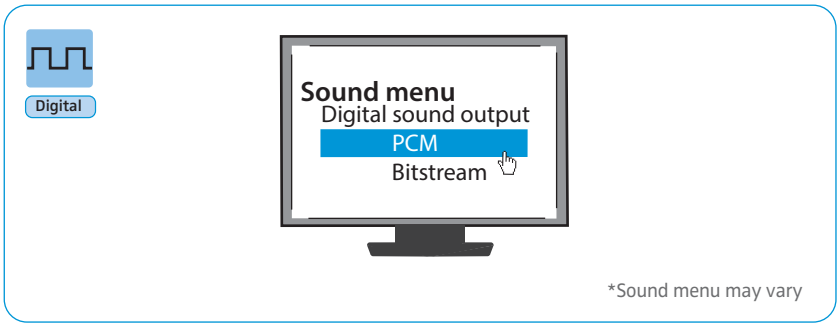
You can purchase accessories and adapters from your local Sennheiser partner.

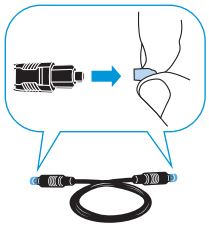
A

Connection option A: Optical (digital)

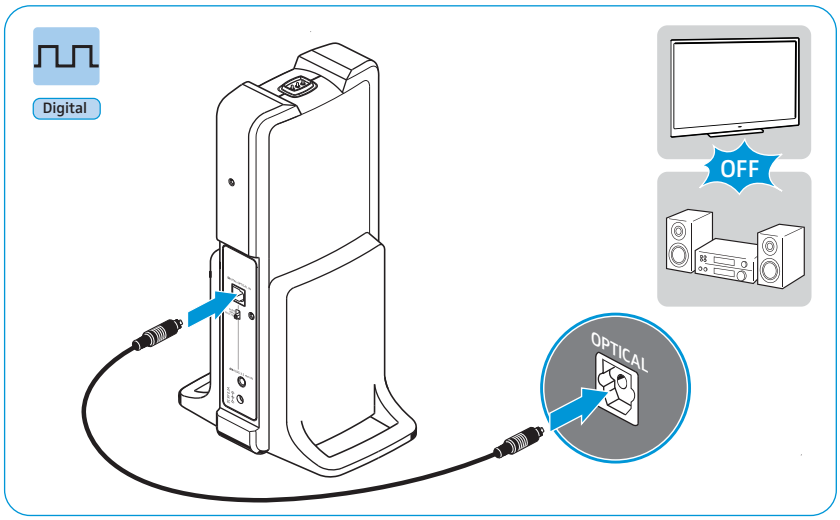
To achieve the best possible listening experience, we recommended that you connect your RS 175 headphone system to your home cinema or hi-fi system using the supplied optical digital cable.

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.





- 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.

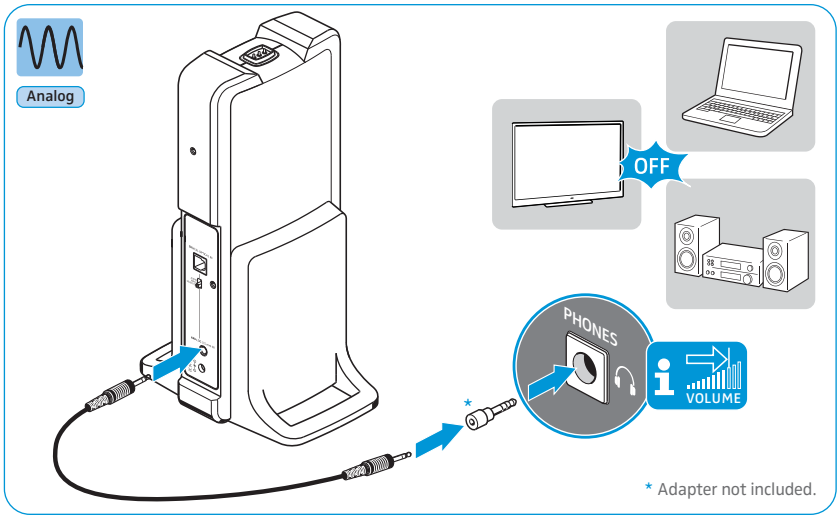


B

Connection option B: 3.5 mm or 6.3 mm/¼" 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/¼" 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.

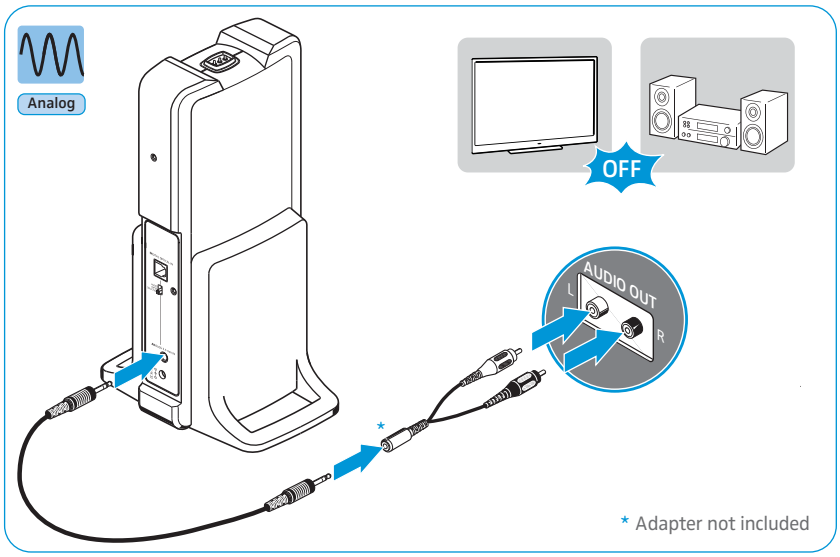


Adjust the volume of the headphone socket on your audio source to at least about the middle level.

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.