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HEAR

WITH YOUR HEART
AND SOUL.

Product Range Audiology

 **SENNHEISER**




If you hear more, you also feel more. Words that get under your skin, music that makes your heart beat faster, film scenes that give you goosebumps – with the Sennheiser mobile sound amplifiers, TV listening systems and TV headphones you don't only hear clearly and precisely, you hear with your heart and soul. That's because of all the innovations inside them. Wireless transmission and activatable microphones allow you to enjoy concerts and

conversations to the full. High-quality transducer systems and the finest diaphragms produce perfect sound, and three individual hearing settings distinctly improve the speech intelligibility of television sound. Furthermore, every product excels with clarity and precision. The excellent design and outstanding ease of use of our hearing sets have already won many awards.

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A group of people in formal attire are seated at a dinner table, smiling and engaged in conversation. The scene is set in a restaurant or banquet hall with white tablecloths and various glassware. The lighting is warm and focused on the people, creating a social and intimate atmosphere.

For conversations that you'd also like to follow between the lines.

Enjoy life to the full: from the crackling of the open fire to the witty comments of the person you're talking to. Mobile sound amplifiers like the comfortable receiver of the Set 900 and the ultra-light A 200 support you both at home and in company, so that you don't miss out on anything in life. Microphones record the ambient sounds and send them amplified to the ears – in stereo, of course. You feel more self-confident and you notice all those small details and nuances, too.



Set 900 Few buttons, many uses.

The Set 900 is the all-rounder amongst the audiology products. It is not only a mobile sound amplifier, but also a high-quality wireless stereo TV listening system with infrared transmission. Whether in company or out and about, the two activatable microphones help you understand and discern conversations and ambient sounds better. In theatres and concert halls with infrared transmission you can adjust the volume to suit your own individual taste and enjoy the performance in optimum sound quality. And at home you can connect the Set 900 to your TV or hi-fi system – without being cut off acoustically from the outside world.

- Two activatable microphones for excellent sound amplification
- A choice of three hearing settings for perfect speech intelligibility
- Treble emphasis adjustable according to individual taste
- Receiver can be folded for easy transport

A 200 The A 200 audioport is a good alternative for people who would like amplified occasionally, but do not want to wear a hearing aid. Two integrated microphones transmit voices and sounds in detail and amplified to the ears. Furthermore, the A 200 is very easy to use. The on/off switch and the volume control are positioned directly on the receiver. And when it is not needed, it is simply put in the cradle to recharge.



- Spatial hearing through stereo operation with two microphones close to the ear
- Excellent speech intelligibility
- Adjustment of the frequency response to personal hearing ability
- Extremely comfortable to wear, weighing only 51 g (incl. rechargeable battery)

Now the highs will get deep down under your skin.

It's often a long way from the TV loudspeakers to the ears. So it's no wonder if some of the sound gets lost. With the Sennheiser wireless TV assistive listening devices you can reduce the distance considerably. They amplify the sound from the television and transmit it directly to your ears – in stereo, of course. A choice of three hearing settings allows you to adjust the speech intelligibility to your very own personal requirements.

Set 830-TV Watch television undisturbed, without disturbing others. With the TV assistive listening device Set 830-TV you can do both. The infrared model delivers undisturbed outstanding stereo sound directly to your ears, up to 12 m within a room. The signal stays in the room and you have your privacy. Several sets can be used free of interference in one house. Compression and treble emphasis can be activated together or individually via a choice of three hearing settings. The treble emphasis can also be regulated individually so that you can adjust the television sound according to your own taste. The stethoset turns on automatically when it is put on. It is completely recharged and ready for use again in just 3 hours.

- Amplified stereo sound directly to your ears
- A choice of three hearing settings for perfect speech intelligibility
- Very easy to set up and to use



Set 840-TV

The Set 840-TV

allows you complete freedom of movement throughout the house. Thanks to modern radio technology you can move around within a radius of 100 m – in the home or in the garden – and still enjoy television news, audio books or music in great sound quality. There are three hearing settings on the transmitter, so you can choose the best for optimum speech intelligibility: volume compression and treble emphasis can be activated and combined, the treble emphasis can also be adjusted individually. Convenient: the stethoset turns on automatically when it is put on. Even more convenient: the flexible ear pads fit exactly and are very comfortable to wear.

- Amplified stereo sound directly to your ears
- Radio transmission up to 100 m, transmission also through walls
- Ideal for plasma TVs
- Three hearing settings to choose from for perfect speech intelligibility



Set 830 S Specially designed for wearers of hearing aids, the Set 830 S transmits sound via an infrared connection from the television or hi-fi system up to 12 m – in high hearing quality and without any interference from other transmitters. The signal is received clearly and precisely by a hearing aid with activated telecoil via the induction loop. Alternatively, normal headphones can be connected to the receiver. After use the receiver can be placed in the charging cradle facing either way. The receiver can either be clipped onto your clothes or worn around your neck.


- Ideal for wearers of hearing aids
- A choice of three hearing settings for perfect speech intelligibility
- Several sets can be used free of interference in one house



Set 840 S The Set 840 S is essentially the same as the Set 830 S, but does not transmit an infrared signal, it transmits a radio signal up to 100 m – even through walls. You can therefore move freely throughout the house or in the garden and still enjoy the television or radio channel. The signal is transmitted from the receiver to the hearing aid with activated telecoil via the induction loop supplied with the set. You can choose from three pre-programmed hearing settings on the transmitter and adjust compression and treble emphasis to optimise the speech intelligibility and sound quality. Volume and balance control are conveniently located on the receiver.

- Ideal for wearers of hearing aids
- Radio transmission up to 100 m, transmission also through walls
- A choice of three hearing settings for perfect speech intelligibility





Experience sounds from all sides.

Hear everything television and music has to offer. With the light Sennheiser TV listening systems that's no problem. Modern transmission technology ensures that the sound is transmitted directly to your ears with no wires and no loss. And ambient sounds have no chance – bass and treble, on the other hand, all the more.



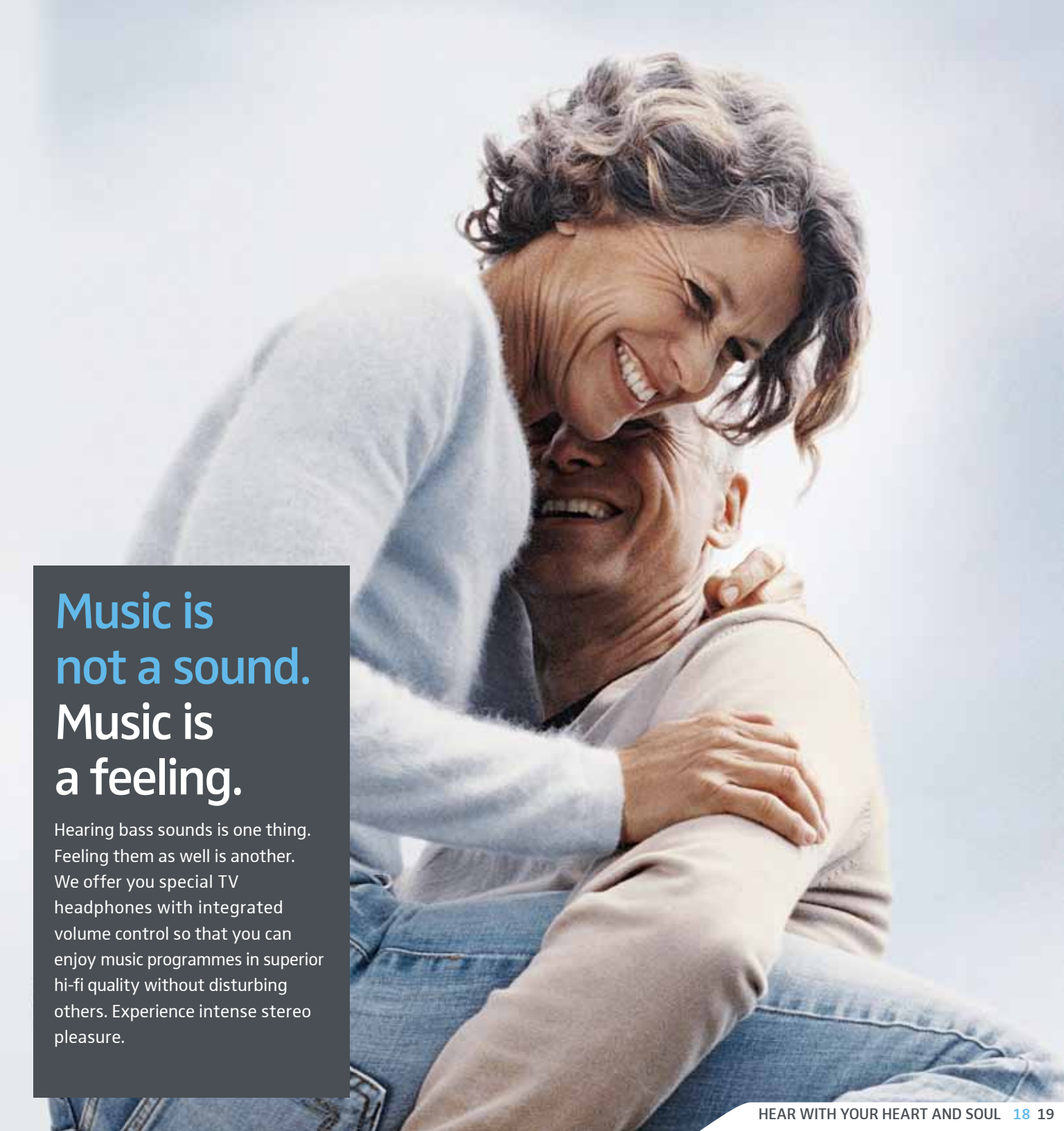
IS 410 TV The infrared Set IS 410 TV is proof that the most modern headphone technology is not only for the ears but also for the eyes. Its slim, functional design has won the iF product design award. Created entirely in black and silver, it harmonises perfectly with most flat screen TVs and hi-fi systems. But, of course, the IS 410 TV also dazzles with its inner values, too. For instance, the sophisticated infrared transmission, which relays crystal-clear sound up to 12 m, or the lithium polymer rechargeable battery that lasts up to 16 hours and is recharged in only 3 hours. Furthermore, the receiver automatically switches on when it is put on and is amazingly light, weighing only 53 g including the battery.

- Stereo TV listening system with excellent sound quality
- Compression function for improving speech intelligibility
- Infrared transmission up to 12 m



Set 50 TV Lots of freedom for little money. This is what the infrared starter model, the SET 50 TV offers you – plus a little bit more. It can be set up quickly and easily. Simply connect the transmitter to the television via the headphone socket, then turn on the receiver and adjust the volume using the convenient controls on the receiver. Up to 9 hours of undisturbed TV entertainment now awaits you. And the wireless infrared transmission technology allows you all sorts of freedom of movement. No matter where you are in the room, as long as there are no obstacles in the light path to the transmitter, the sound signal will be relayed undisturbed and without any interference.

- Wireless TV receiver for straightforward television sound reception
- Infrared transmission with a range of up to 12 m
- Optimum TV sound at the volume of your choice
- Light and easy to carry – only 53 g incl. rechargeable battery)

A photograph of a middle-aged couple embracing each other. The woman, with curly grey hair, is leaning over the man, smiling broadly. The man is also smiling and looking towards the camera. They are both wearing light-colored, casual clothing. The background is a soft, out-of-focus light blue.

Music is not a sound. Music is a feeling.

Hearing bass sounds is one thing.
Feeling them as well is another.
We offer you special TV
headphones with integrated
volume control so that you can
enjoy music programmes in superior
hi-fi quality without disturbing
others. Experience intense stereo
pleasure.

Home entertainment. Wireless headphones.

Sennheiser's line of wireless headphones bring the highest quality audio to any corner of the house. Outstanding sound, long battery life, practical range and long-term wearing comfort will make your next movie night the best one yet.



RS 160 The RS 160 is a two-part system that comes with wireless headphones, powered by a couple of NiMH batteries and a transmitter that connects to your audio device or your television. It's very simple to set up as the whole system is plug and play. Soundwise, the bass delivery is rousing and full-bodied while the closed, snug fit around your ears effectively isolates outside noise.

- **Portable and Compact Transmitter**
Connect it to an existing portable music player for instant wireless sound capabilities.
- **Uncompressed transmission**
Utilises Klear's uncompressed digital wireless audio transmission.
- **Dual Power Source**
Optional DC 5V adaptor and 2 AA batteries allow for use both indoors and outdoors.
- **Integrated Volume Control and Mute**
Volume controls and mute button are located conveniently on the headset.

Types of transmission.

Cable transmission

Length of cable approx. 6 m



HD 62 TV (stereo TV headphones)

HD 30 TV (stereo TV headphones)

Infrared transmission

Reception up to 12 m



Set 900 (mobile sound amplifier and stereo TV listening device)

Set 830-TV (stereo TV listening device)

Set 830 S (stereo TV listening device, ideal for wearers of hearing aids)

IS 410 TV (stereo TV listening system)

Set 50 TV (mono TV listening system)

Radio transmission

Reception up to 100 m



Set 840-TV (stereo TV listening device)

Set 840 S (stereo TV listening device, ideal for wearers of hearing aids)

RS 4200 TV (stereo TV listening system)

Product overview.

Set 900

Modulation
Transmission frequencies
Reception frequencies
Transmission range
Frequency response
Max. SPL (at 1 kHz)
Signal-to-noise ratio
THD (at 1 kHz)
Acoustic microphone amplification, stereo
Directional characteristic microphones
Operating time receiver
Charging time batteries
BA 300 battery

Weight receiver (incl. battery)
Audio input transmitter

FM, stereo
2.3 MHz / 2.8 MHz
2.3 MHz / 2.8 MHz / 95 kHz
up to 12 m
50–16,000 Hz
125 dB
75 dB(A)
1%
max. 20 dB
cardioid (frequency-dependent)
up to 12 hrs
approx. 3 hrs
lithium polymer: 3.7 V, 150 mAh,
rechargeable
approx. 73 g
3.5 mm stereo jack



Set 830-TV/830 S

Modulation
Transmission frequencies
Transmission range
Frequency response
Max. SPL Set 830-TV (at 1 kHz)
Signal-to-noise ratio
THD (at 1 kHz)
Operating time receiver
Charging time batteries
BA 300 battery

Weight receiver Set 830-TV (incl. battery)
Weight receiver Set 830 S (incl. battery)
Audio input transmitter

FM, stereo
2.3 MHz / 2.8 MHz
up to 12 m
50–16,000 Hz
125 dB
75 dB(A)
1%
up to 12 hrs
approx. 3 hrs
lithium polymer: 3.7 V, 150 mAh,
rechargeable
approx. 68 g
approx. 50 g
3.5 mm stereo jack



Set 840-TV/840 S

Modulation
Transmission frequencies
Transmission range
Frequency response
Max. SPL Set 840-TV (at 1 kHz)
Signal-to-noise ratio
THD (at 1 kHz)
Operating time receiver
Charging time batteries
BA 300 battery

Weight receiver Set 840-TV (incl. battery)
Weight receiver Set 840 S (incl. battery)
Audio input transmitter

FM, stereo
925.95 / 926.8 / 927.5 MHz
up to 100 ft
50–16,000 Hz
125 dB
70 dB(A)
1%
up to 9 hrs
approx. 3 hrs
lithium polymer: 3.7 V,
150 mAh, rechargeable
approx. 68 g
approx. 50 g
3.5 mm stereo jack



A 200

Frequency response

200–12,000 Hz

Max. SPL (at 1 kHz)

105 dB

Acoustic microphone amplification, stereo

max. 35 dB

Directional characteristic microphones

omni

Operating time receiver

up to 12 hrs

Charging time batteries

approx. 3 hrs

BA 151 battery

NiMH (nickel metal hydride):

2.4 V, 80 mAh, rechargeable

Weight (incl. battery)

approx. 51 g



IS 410 TV

Modulation

FM, stereo

Transmission frequencies

2.3 MHz / 2.8 MHz

Transmission range

up to 12 m

Frequency response

50–16,000 Hz

Max. SPL (at 1 kHz)

125 dB

Signal-to-noise ratio

75 dB(A)

THD (at 1 kHz)

1 %

Operating time receiver

up to 16 hrs

Charging time battery

approx. 3 hrs

BA 300 battery

lithium polymer: 3.7 V, 150 mAh,

rechargeable

Weight receiver (incl. battery)

approx. 53 g

Audio input transmitter

3.5 mm stereo jack



Set 50 TV

Modulation

FM, mono

Transmission frequency

2.3 MHz

Transmission range

up to 12 m

Frequency response

50–12,000 Hz

Max. SPL (at 1 kHz)

120 dB

Signal-to-noise ratio

75 dB(A)

THD (at 1 kHz)

1 %

Operating time receiver

up to 9 hrs

Charging time battery

approx. 14 hrs

BA 151 battery

NiMH (nickel metal hydride):

2,4 V, 80 mAh, rechargeable

Weight receiver (incl. battery)

approx. 53 g

Audio input transmitter

3.5 mm stereo jack

