



EN User manual

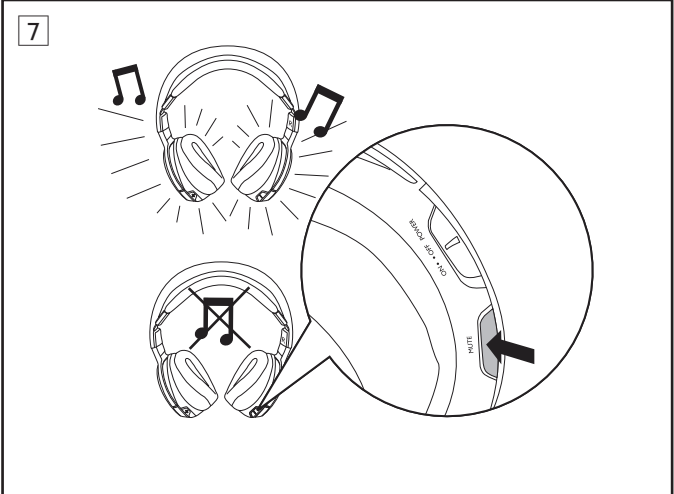
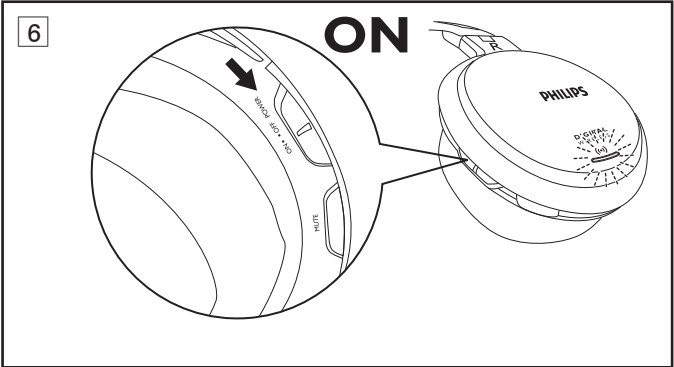
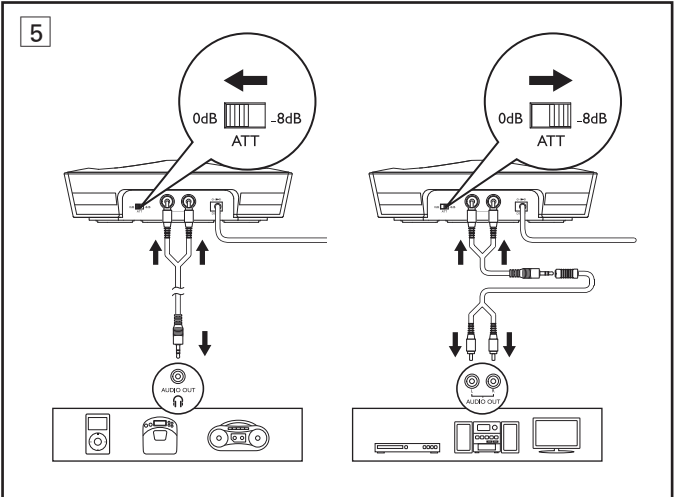
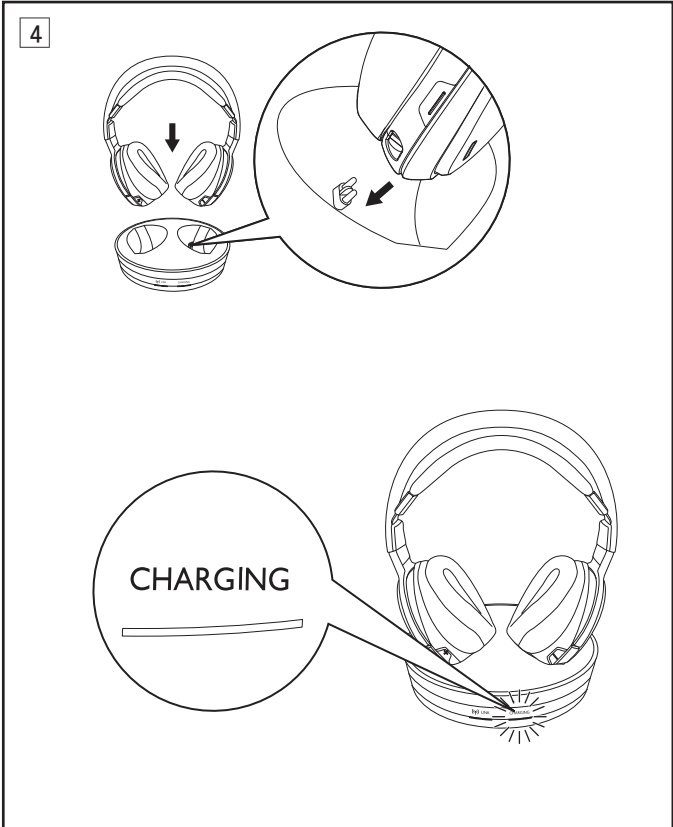
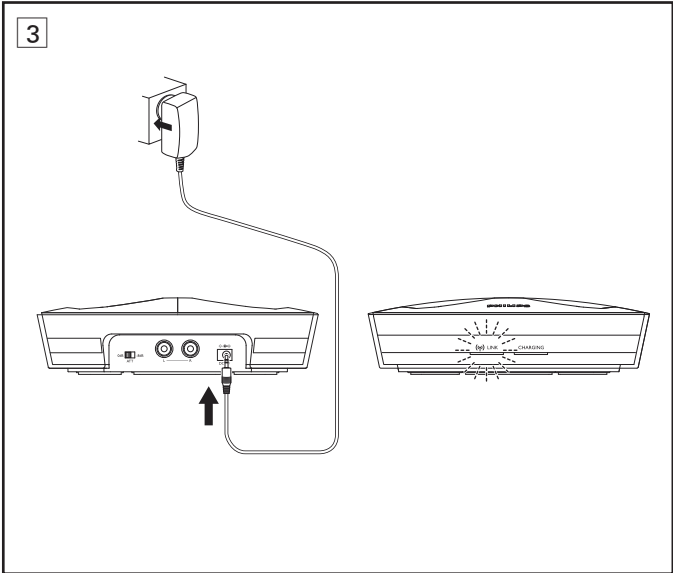
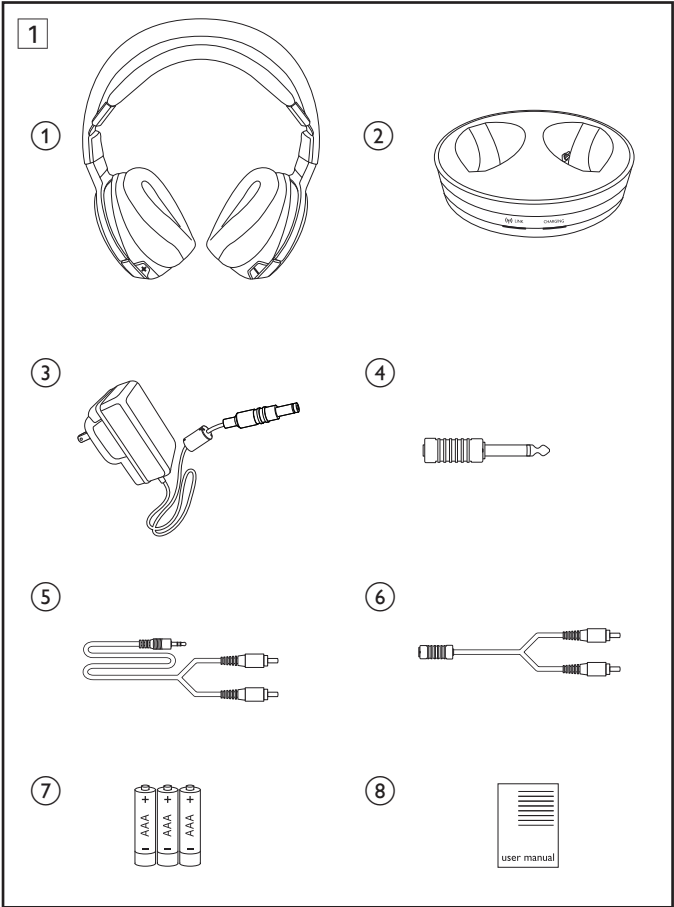
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PHILIPS



1 Important

Hearing Safety



 **Danger**

- To avoid hearing damage limit the time you use the headphones at high volume and set the volume to a safe level. The louder the volume the shorter is the safe listening time.

- Be sure to observe the following guidelines when using your headphones.
- Listen at reasonable volumes for reasonable periods of time.
 - Be careful not to adjust the volume as your hearing adapts.
 - Do not turn up the volume so high that you can't hear what's around you.
 - You should use caution or temporarily discontinue use in potentially hazardous situations.
 - Excessive sound pressure from earphones and headphones can cause hearing loss.

Electric-, Magnetic and Electromagnetic Fields (EMF)

- Philips Royal Electronics manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.
- One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing products.
- Philips is committed to develop, produce and market products that cause no adverse health effects.
- Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

- Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardization for early integration in its products.

General information

- To prevent fire or shock hazard:** Always keep this product dry. Do not expose it to excessive heat by heating equipment or direct sunlight.
- Do not allow your headset to be submerged in water.
- To clean the product:** Use a slightly dampened chamois cloth. Do not use cleansing agents containing alcohol, spirits, ammonia or abrasives as they may harm the product.
- Do not disassemble the product.
- Transmission range: 30 meters, depending on ambient conditions.
- Do not operate or store the product in a place where temperature is below 0°C (32°F) or above 40°C (104°F) as this may shorten the battery life.
- Only use Philips' rechargeable shortened sleeve NiMH batteries with your headphones.
- Apparatus shall not be exposed to dripping or splashing.
- The mains plug of AC/DC adaptor is used as the disconnect device, the disconnect device shall be readily operable.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health. Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.



2 What's in the box (Fig. 1)

- Headphones
- Docking station
- AC/DC adaptor
- 3.5 - 6.3mm adaptor
- RCA audio cable
- Jack to cinch connector
- 3 x AAA rechargeable shortened sleeve NiMH batteries (SBC HB700)
- User manual

3 Get Started

 **Note**

- Before using the headphones for the first time, ensure that the batteries are fully charged for at least 4 hours.
- Only use Philips rechargeable shortened sleeve NiMH batteries with your headphones for charging.
- Other types of rechargeable or alkaline batteries cannot be charged with this system.
- AAA alkaline batteries can be used to operate the headphones.
- If the volume of the audio source is insufficient, the transmitter automatically turns off.
- The energizing docking station does not transmit audio signal during charge.

- Install/Replace batteries (Fig. 2).
- Power on the transmitter (Fig. 3).
 - Charge the headphones (Fig. 4).
- Connect audio and adjust ATT (Attenuation of audio input signal) (Fig. 5).

To achieve a better volume level:

 - For portable CD player, MP3 player or other devices with 3.5mm triport socket output, switch ATT to 0dB.
 - For HiFi, TV, DVD player or other devices with RCA socket output, switch ATT to -8dB.
 - For an audio device with a 6.3mm headphone output, use the supplied 3.5mm - 6.3mm stereo adaptor plug.
- Power on/off the headphones (Fig. 6).
 - To mute the audio device, press and hold the MUTE button (Fig. 7).
 - Once the MUTE button is released, audio signal is resumed.

4 LED indications

Situation	Transmitter		Headphones
LED	Blue	Green	Blue
Connection established	On	Off	On
Charging (0 - 50% full)	Off	Fast blinking	Off
Charging (> 50% full)	Off	Slow blinking	Off
Charging (100% full)	Off	On	Off
Battery low	On	Off	Fast blinking
Searching	Slow blinking	Off	Slow blinking

5 Sound indications

Situation	Sound signal
Battery is low	One "Beep" per minute (around 5 beeps)
Before battery totally goes out	"Beep Beep"
Turn the volume to the maximum/minimum level	Alert tone "Beep"

6 Product information

Transmitter	
System	Radio Frequency (RF)
Modulation	DMQ PSK
Carrier Frequency	2400 M - 2483.5 MHz
Channels	3 (auto-switching)
Radiated Output Power	30 mW
Effective Transmission Range	Approx. 30 meters (depending on ambient conditions)
Input Level	800 mV (0 dB) 2 V (-8 dB)
Power requirements	DC 6 V (from the supplied AC power adaptor)

Headphone	
Playback frequency range	20 - 20,000 Hz
S/N Ratio	88 dB Nominal
Distortion	0.5% THD
Channel Separation	≥ 60 dB
Power Requirements	Rechargeable NiMH batteries (supplied) or commercially available (size AAA) dry batteries
Operating time	~ up to 10 hours (actual result may vary)

7 Frequently asked questions (FAQ)

Problem	Possible cause	Solution
1. Headphones fail to charge	1.1 No battery installed	Install or replace batteries (Fig. 2).
	1.2 Wrong battery orientation	Reposition the batteries with correct polarity (+/-) as indicated.
	1.3 No power supply to transmitter	Ensure that the docking station is connected to the local mains power (Fig. 3).
	1.4 Alkaline battery or non-short sleeve battery is used	Only use Philips rechargeable shortened sleeve NiMH batteries for charging.
	1.5 Charging pin of the docking station not in contact with the metal plate of the headphones	Dock the headphones in place and ensure that the CHARGING indicator is on (Fig. 4).
	1.6 Wrong headphone orientation when placed into the charging dock	Reposition the headphones with correct orientation.
2. No sound/ distorted sound	2.1 Setup not yet completed	Refer to possible causes and solutions listed in FAQ: 1.1, 1.2 & 1.3.
	2.2 Not set up properly	Ensure that the audio cable is connected to AUDIO OUT on the audio device (Fig. 5).
	2.3 Battery low	Recharge the headphones (Fig. 4).
	2.4 Audio device not connected	Connect the audio device (Fig. 5).
	2.5 Audio device is off	Turn on the audio device.
	2.6 Audio output volume too low	Adjust the volume to a higher and non-distorted level. If MP3 player or 3.5mm triport socket output is used, switch ATT to 0dB.
	2.7 Audio output volume too high	Adjust the volume to a lower and non-distorted level. If HiFi, DVD or RCA output is used, switch ATT to -8dB.
	2.8 Volume too low	Adjust the volume of the audio device or headphones. Note: The volume is not adjustable for some audio devices.
	2.9 Receiver too far away from transmitter	Ensure that you use the product within effective range.

For further product support, please refer to www.philips.com/welcome