



IE PRO series

PDF export of the original HTML manual



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1. Preface

PDF Export of the Original HTML Manual

This PDF document is an automatic export of an interactive set of HTML manuals. Some content and interactive elements may not be included in the PDF because they cannot be displayed in this format. In addition, automatically generated page breaks may cause related content to be slightly shifted. We can therefore only guarantee the completeness of the information in the HTML manual and recommend using it. You can find it in the Documentation Portal at www.sennheiser.com/documentation.



2. Product information

All information about the product and available accessories at a glance.

IE 40 PRO



The in-ear monitoring headphone is available in the following variants:

IE 40 PRO BLACK | Article no. 507481 (no longer available)

IE 40 PRO CLEAR | Article no. 507482 (no longer available)

Delivery includes

- IE 40 PRO
- Soft pouch
- Cleaning tool
- Foam and silicone ear adapters
- Quick Guide
- Safety Guide

i You can find more detailed information about the IE 40 PRO in the following sections:

- **Startup and operation:** [IE 40 PRO](#)
- **Specifications:** [IE 40 PRO](#)



IE 100 PRO



The in-ear monitoring headphone is available in the following variants:

IE 100 PRO BLACK | Article no. 508940

IE 100 PRO CLEAR | Article no. 508941

IE 100 PRO RED | Article no. 508942

Delivery includes

- IE 100 PRO
- Soft pouch
- Black cable for IE 100 PRO
- Cleaning tool
- Foam and silicone ear adapters
- Quick Guide
- Safety Guide
- Compliance Sheet

i You can find more detailed information about the IE 100 PRO in the following sections:

- **Startup and operation:** [IE 100 PRO](#)
- **Specifications:** [IE 100 PRO](#)



IE 400 PRO



The in-ear monitoring headphone is available in the following variants:

IE 400 PRO BLACK | Article no. 507483 (no longer available)

IE 400 PRO CLEAR | Article no. 507484 (no longer available)

Delivery includes

- IE 400 PRO
- Transport case
- 3.5 to 6.3 mm jack adapter
- Cleaning tool
- Foam and silicone ear adapters
- Quick Guide
- Safety Guide

i You can find more detailed information about the IE 400 PRO in the following sections:

- **Startup and operation:** [IE 400 PRO](#)
- **Specifications:** [IE 400 PRO](#)



IE 500 PRO



The in-ear monitoring headphone is available in the following variants:

IE 500 PRO BLACK | Article no. 507479 (no longer available)

IE 500 PRO CLEAR | Article no. 507480 (no longer available)

Delivery includes

- IE 500 PRO
- Transport case
- 3.5 to 6.3 mm jack adapter
- Cleaning tool
- Foam and silicone ear adapters
- Quick Guide
- Safety Guide

i You can find more detailed information about the IE 500 PRO in the following sections:

- **Startup and operation:** [IE 500 PRO](#)
- **Specifications:** [IE 500 PRO](#)



IE PRO BT Connector



The IE PRO BT Connector turns the in-ear solutions (IE 100/400/500 PRO) into wireless headphones.

IE PRO BT Connector | Article no. 508943

Delivery includes

- IE PRO BT Connector
- USB-A to USB-C cable
- Quick Guide
- Safety Guide
- Compliance Sheet

i You can find more detailed information about the IE PRO BT Connector in the following sections:

- **Startup and operation:** [IE PRO BT Connector](#)
- **Specifications:** [IE PRO BT Connector](#)



Accessories

Various accessory parts are available for the in-ear monitoring headphones.

The accessories are compatible with the following headphones:

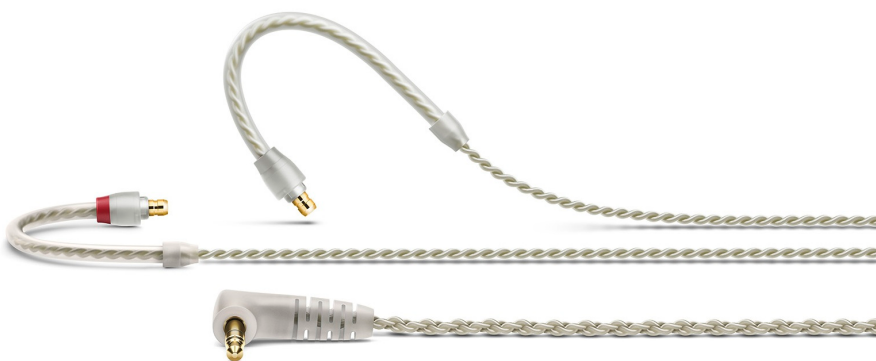
- IE 100 PRO
- IE 400 PRO
- IE 500 PRO

Black straight cable



Article no. 508584

Twisted cable



Article no. 507478



Mono cable



Article no. 508944

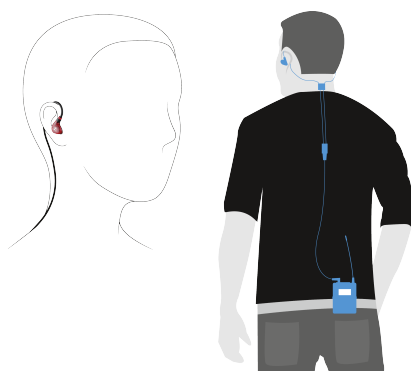
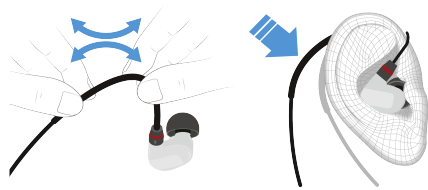
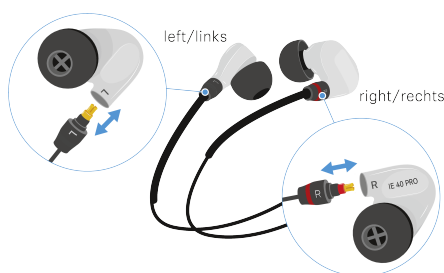


3. Instruction manual

Starting up and operating devices of the IE PRO series.

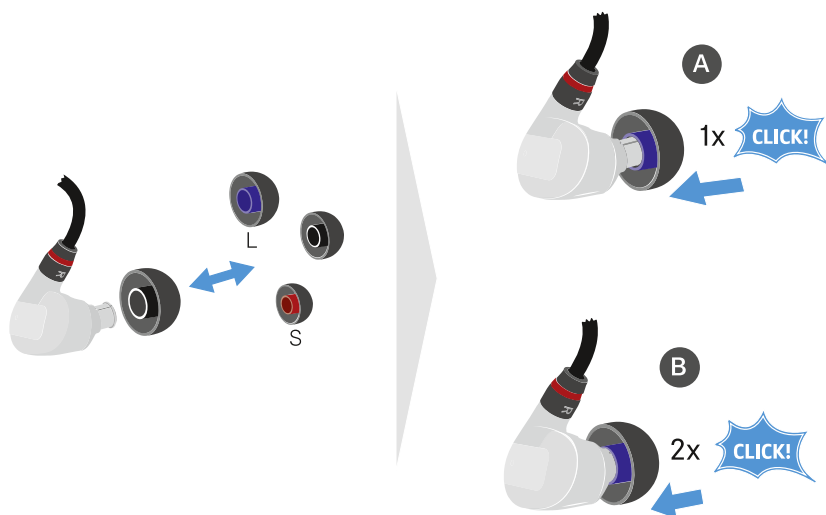
IE 40 PRO

Wearing the in-ear headphones





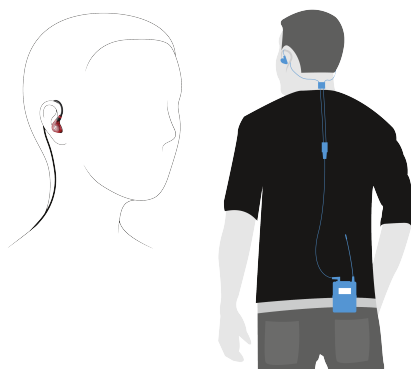
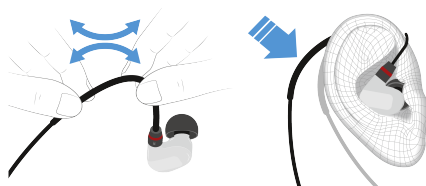
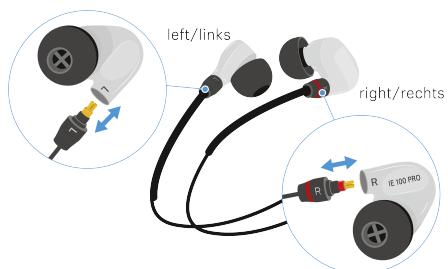
Changing the ear adapters





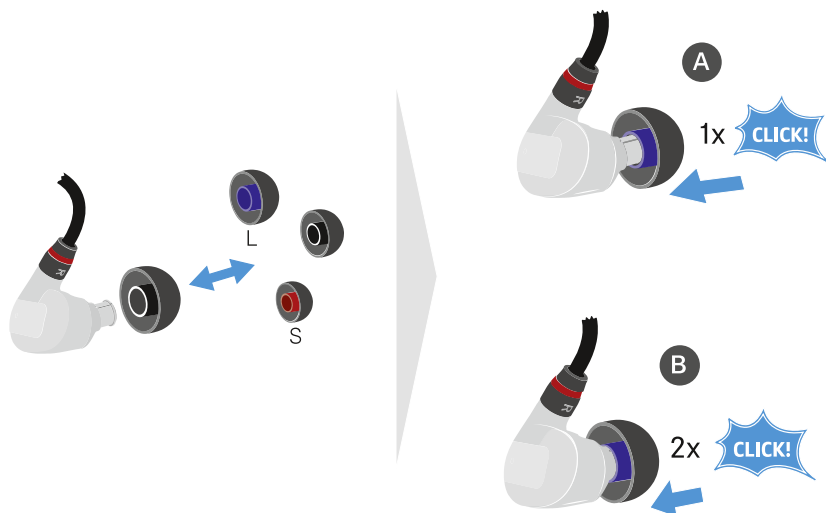
IE 100 PRO

Wearing the in-ear headphones





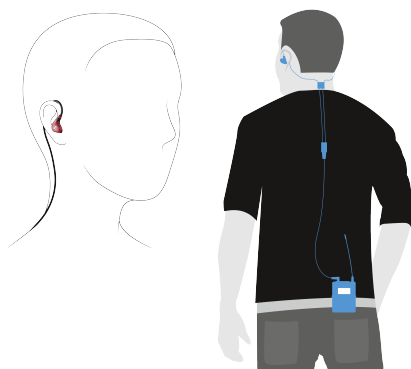
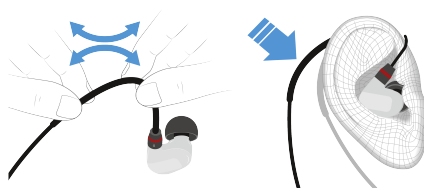
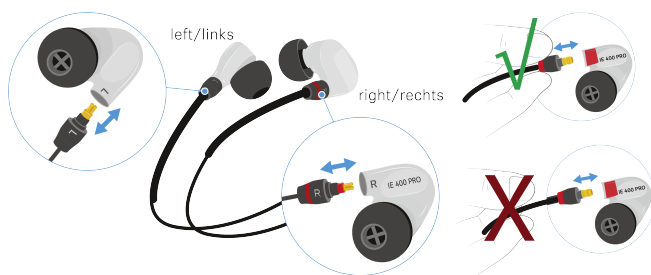
Changing the ear adapters





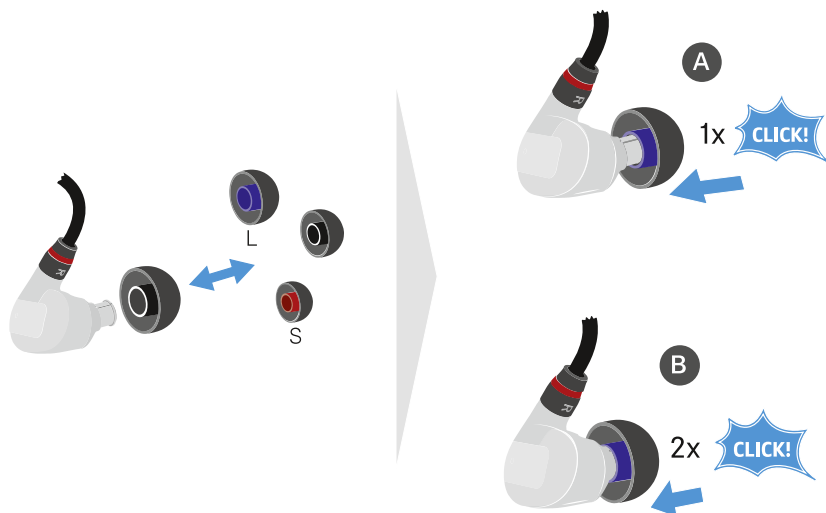
IE 400 PRO

Wearing the in-ear headphones



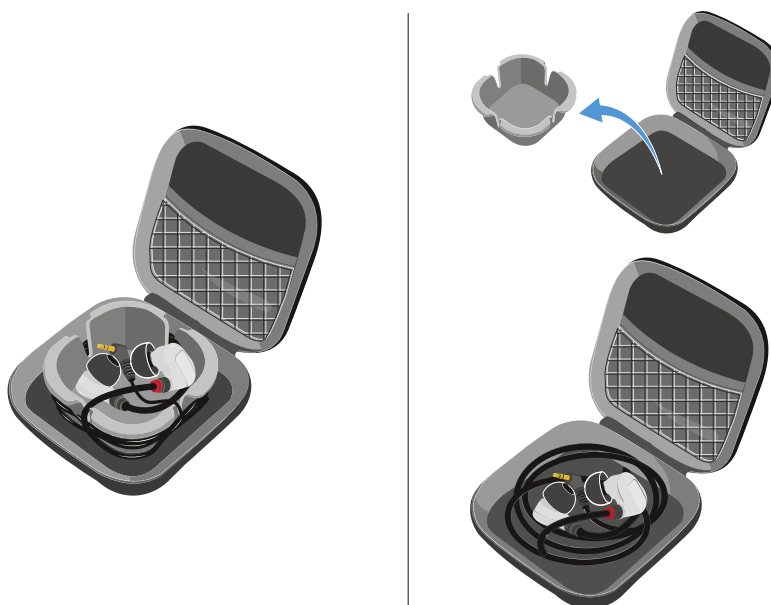


Changing the ear adapters





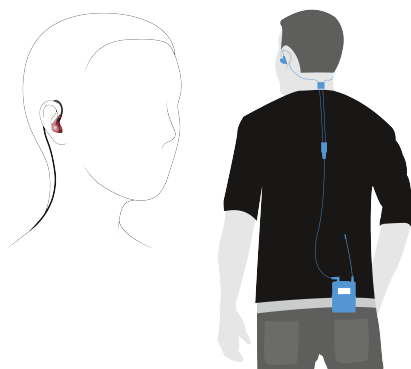
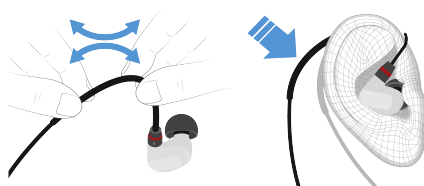
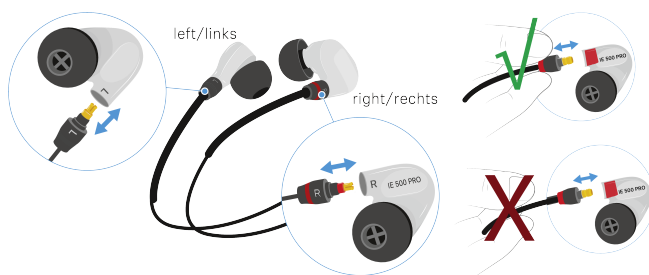
Transporting the in-ear headphones





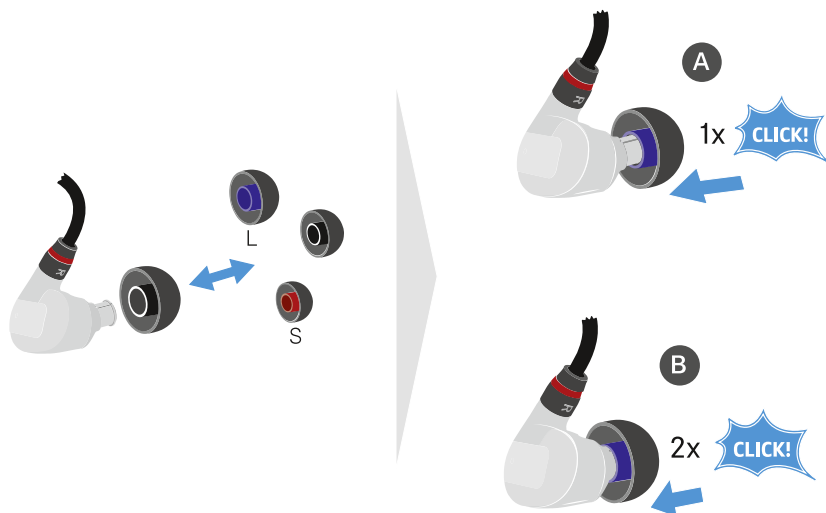
IE 500 PRO

Wearing the in-ear headphones



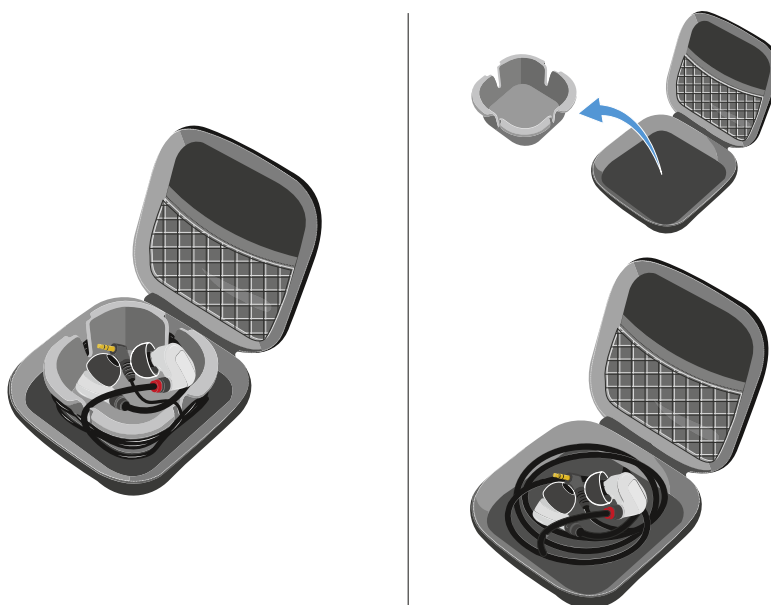


Changing the ear adapters





Transporting the in-ear headphones



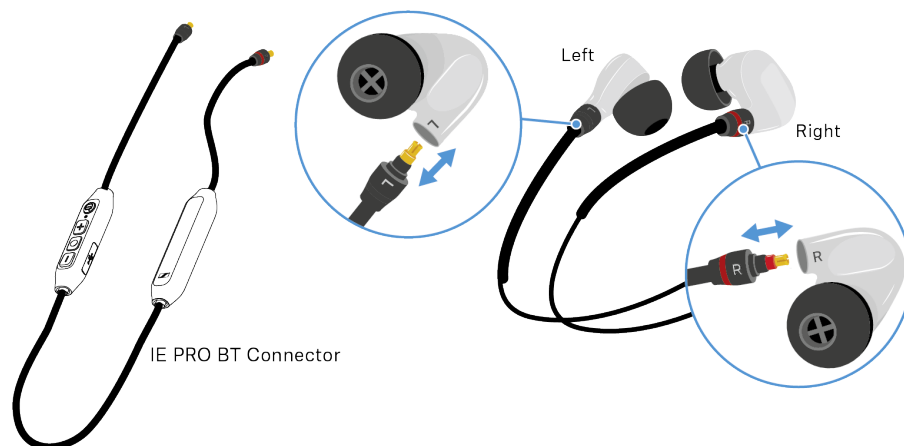


IE PRO BT Connector

Connecting the bluetooth® connector

To connect the IE PRO BT Connector to a in-ear headphone:

- ▶ Connect the bluetooth® connector to an in-ear headphone (IE 100, IE 400 or IE 500).

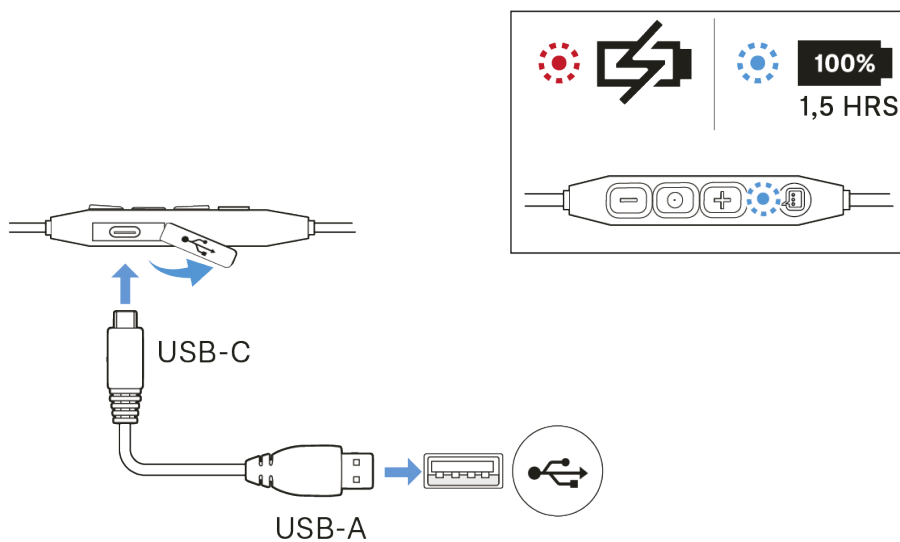




Charging the bluetooth® connector

To charge the IE PRO BT Connector:

- ▶ Connect the included cable to the Bluetooth® module using the USB-C end.
- ▶ Connect the USB-A end to a compatible charging port.



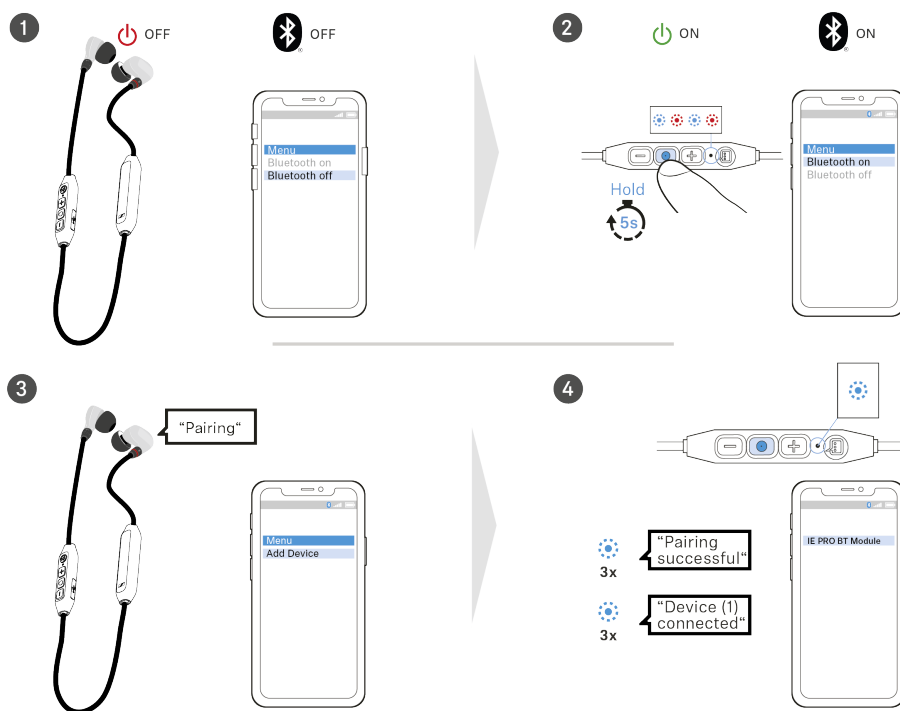


Pairing the bluetooth® connector

The Bluetooth® module can establish a wireless connection with a mobile phone, PC, or tablet.

To pair the IE PRO BT Connector:

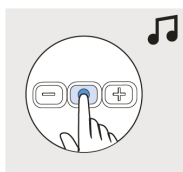
- ▶ Pair the Bluetooth® module with, for example, a mobile phone, as shown in the illustration.





Using the bluetooth® connector

Music functions



Play/Pause

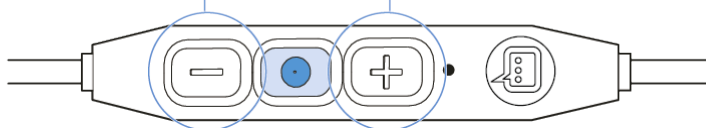


Next



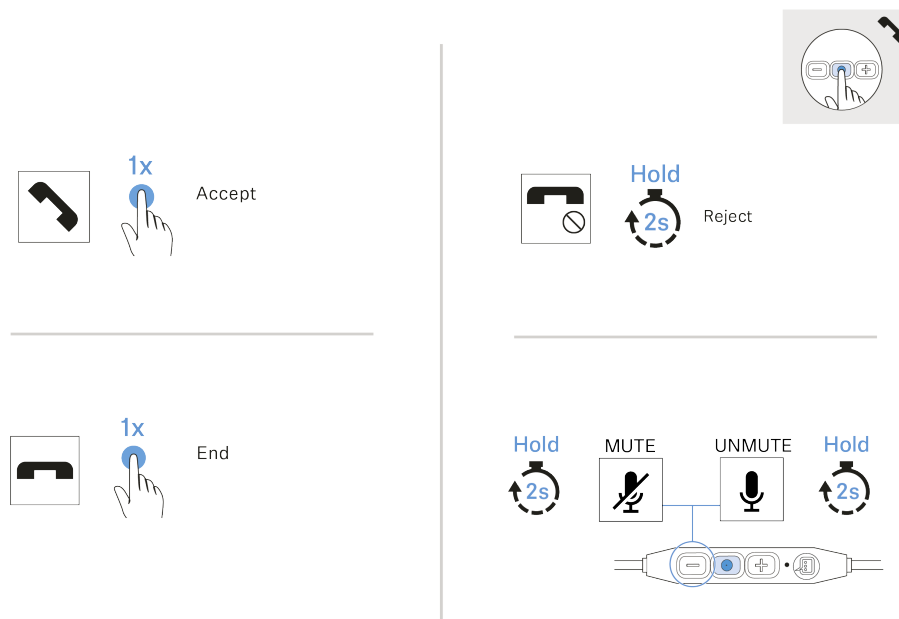
Previous

Adjusting the volume

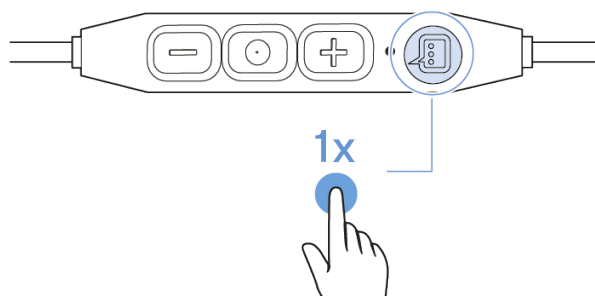




Call functions



Video assistant



Activating/deactivating the voice assistant



Cleaning and maintenance

Note the following information when cleaning and maintaining IE PRO series products.

NOTICE



Liquids can damage the electronics of the product

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

- ▶ Keep all liquids away from the products.
- ▶ Do not use any solvents or cleansing agents.
- ▶ Disconnect the mains-operated products from the power supply system and remove rechargeable batteries and batteries (if present) before you begin cleaning.
- ▶ Clean all products only with a soft, dry cloth.



1

2



- ▶ Note the special cleaning instructions below for the following products.



IE 40 PRO and IE 100 PRO:

- ▶ Keep electrically conductive objects that are not required for operation away from the product and its connections.



4. Specifications

All specifications at a glance.

IE 40 PRO

Frequency response

- 20 - 18,000 Hz

Impedance

- 20 Ω

Sound pressure level (SPL)

- 115 dB (1 kHz / 1 V_{rms})

Total harmonic distortion (THD)

- < 0.1 % (1 kHz, 94 dB)

Noise attenuation

- < 26 dB

Magnetized field strength

- 3.5 mT

Temperature

- Operation: -5 °C to +50 °C
- Storage: -20 °C to +70 °C

Relative humidity

- < 95 %



IE 100 PRO

Frequency response

- 20 - 18,000 Hz

Impedance

- 20 Ω

Sound pressure level (SPL)

- 115 dB (1 kHz / 1 V_{rms})

Total harmonic distortion (THD)

- < 0.1 % (1 kHz, 94 dB)

Noise attenuation

- < 26 dB

Magnetized field strength

- 1.63 mT

Temperature

- Operation: -5 °C to +50 °C
- Storage: -20 °C to +70 °C

Relative humidity

- < 95 %



IE 400 PRO

Frequency response

- 6 - 19,000 Hz

Impedance

- 16 Ω

Sound pressure level (SPL)

- 123 dB (1 kHz / 1 V_{rms})

Total harmonic distortion (THD)

- < 0.08 % (1 kHz, 94 dB)

Noise attenuation

- up to 26 dB

Magnetized field strength

- 2 mT

Temperature

- Operation: -5 °C to +50 °C
- Storage: -20 °C to +70 °C

Relative humidity

- < 95 %



IE 500 PRO

Frequency response

- 6 - 20,000 Hz

Impedance

- 16 Ω

Sound pressure level (SPL)

- 126 dB (1 kHz / 1 V_{rms})

Total harmonic distortion (THD)

- < 0.08 % (1 kHz, 94 dB)

Noise attenuation

- up to 26 dB

Magnetized field strength

- 2 mT

Temperature

- Operation: -5 °C to +50 °C
- Storage: -20 °C to +70 °C

Relative humidity

- < 95 %



IE PRO BT Connector

Model: SEBT1

Wearing style

- Bluetooth® neckband cable

Microphone principle

- MEMS

Microphone frequency response

- 100 - 8,000 Hz

Microphone sensitivity

- -42 dBV/Pa (ITU-T P.79)

Microphone pick-up pattern (speech audio)

- omni-directional

Power supply - built-in rechargeable lithiumpolymer battery

- 3,7 V DC, 100 mAh

USB charging

- 5 V DC, 100 mA max.

Operating time

- 10 h (music playback via SBC) with rechargeable battery;
- 240 h in standby mode

Charging time of rechargeable batteries

- approx. 2.5 h

Temperatur range

- Operating: +5 °C to +40 °C $\pm$ 5 °C
- Charging: +10 °C to +40 °C $\pm$ 5 °C
- Storage: -20 °C to +70 °C

Relative humidity

- Operation: 10 - 80 %, non-condensing
- Storage: 10 - 90 %



Magnetized field strength

- 1,63 mT (with IE 100 PRO)
- 0,23 mT (without headphone)

Weight

- capprox. 13 g

Bluetooth®

Version

- Bluetooth 5.0 compatible, class 1, BLE

Transmission frequency

- 2,402 - 2,480 MHz

Modulation

- GFSK, $\pi/4$ DQPSK, 8DPSK

Profiles

- HSP, HFP, AVRCP, A2DP

Output power

- 10 mW (max)

Codec

- SBC, aptX®, aptX LL®, AAC



5. Regulatory information

Information on manufacturer declarations, environmental and disposal notices, and terms of use.

Model: SEBT1, IE 100 PRO

Frequency band: 2400 - 2483.5 MHz

Transmit power: 10 mW (max.)

Warranty

Sennheiser electronic SE & Co. KG gives a warranty of 24 months on these products.

For the current warranty conditions, please visit our website at [sennheiser.com](https://www.sennheiser.com) or contact your Sennheiser partner.

In the US please contact:

Sennheiser Electronic Corporation

1 Enterprise Drive, Old Lyme, CT 06371

www.sennheiser.com

Warranty for Australia and New Zealand only

Sennheiser Australia Pty Ltd provides a warranty of 24 months on these products. For the current warranty conditions, visit Sennheiser website: Australia: [sennheiser.com](https://www.sennheiser.com), New Zealand: [sennheiser.com](https://www.sennheiser.com)

Sennheiser goods come with guarantees that cannot be excluded under Australian and New Zealand 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 remedy available to be consumer which is granted by law.

To make a claim under this contract, raise a case via Sennheiser website. Australia: [sennheiser.com/support](https://www.sennheiser.com/support), New Zealand: [sennheiser.com/support](https://www.sennheiser.com/support)

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

Sennheiser international warranty is provided by: Sennheiser Australia Pty Ltd (ABN 68 165 388 312) Level 14, Tower A Zenith Building, 821 Pacific Highway, Chatswood NSW 2067, Australia



Europe



In compliance with the following requirements

- Regulation (EU) 2023/988 on general product safety
- WEEE Directive (2012/19/EU)
- Regulation (EU) 2023/1542 concerning batteries and waste batteries

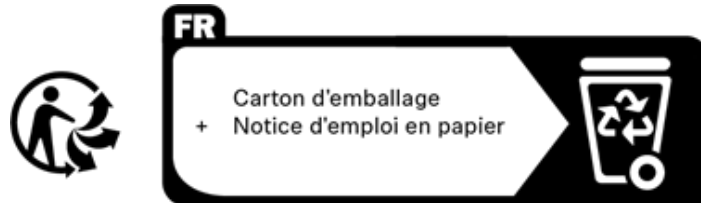


Italy:

Raccolta carta



France:



Notes on disposal

The symbol of the crossed-out dumpster on the product, the (rechargeable) battery (if applicable) and/or the packaging indicates that these products must not be disposed of with normal household waste, but must be disposed of separately at the end of their service life. For the packaging, follow the regulations in your country for separating waste. Improper disposal of packaging materials can be harmful to your health and the environment.

The separate collection of waste electrical and electronic equipment, (rechargeable) batteries (if applicable) and packaging is intended to promote reuse and recycling and to prevent negative impacts on public health and the environment, for example due to hazardous substances contained in these products. At the end of their service life, recycle electrical and electronic equipment and (rechargeable) batteries so that their materials can be reused and to prevent environmental pollution.

If (rechargeable) batteries can be removed without destroying them, you are obliged to dispose of them separately (see the product's operating instructions for information on how to remove the batteries safely). Be especially careful when handling (rechargeable) batteries containing lithium, as these pose special hazards, such as the risk of fire and/or health risks if button cells are swallowed. Reduce battery waste as much as possible by using longer-life batteries or rechargeable batteries.

Further information on the recycling of these products can be obtained from your municipal administration, from the municipal collection points, or from your Sennheiser partner. You



may also be able to return electrical or electronic equipment to your distributor, if they are legally required to do so. By disposing of your batteries properly, you are helping to protect public health and the environment.

EU Declaration of conformity

- RoHS Directive (2011/65/EU)
- Compliant to Sound Pressure Limits according to country specific requirements.

Hereby, Sennheiser electronic SE & Co. KG declares that the radio equipment type SEBT1* is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: sennheiser.com/download.

*for wireless device only

United Kingdom



In compliance with the following requirements

- WEEE Regulations (2013)
- Battery Regulations (2015)



UK Declaration of conformity

- RoHS Regulations (2012)
- Radio Equipment Regulations (2017)*

*for wireless device only

Importer: Sennheiser UK Ltd.

Pacific House, Third Avenue, Globe Park, Marlow

Buckinghamshire SL7 1EY, United Kingdom

USA

SEBT1:



Statements regarding FCC and ISED



This device complies with Part 15 of the FCC rules, RSS-247 of Innovation, Science and Economic Development Canada (ISED). Operation is subject 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.

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.

Radiofrequency radiation exposure Information

Since the radiated output power of this device is far below the FCC / ISED radio frequency exposure limits, it is not subjected to routine RF exposure evaluation as per Section 2.1093 of the FCC rules and RSS-102 of Innovation, Science and Economic Development Canada (ISED).

This device meets FCC/ ISED RF exposure guidelines for an uncontrolled environment. Use of other accessories not verified by the manufacturer may not ensure compliance with FCC / ISED RF exposure guidelines.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Contact information: Sennheiser Electronic Corporation, 1 Enterprise Drive, Old Lyme, CT 06371; [sennheiser.com](https://www.sennheiser.com)

FCC ID: DMOSEBT1

Canada

Statements regarding FCC and ISED

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IC: 2099A-SEBT1

CAN ICES-3 (B)/NMB-3(B)

Australia / New Zealand

SEBT1:



Japan

SEBT1:



201-190940



Brazil

SEBT1:



02663-20-07356

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

India

SEBT1:

IS 616:2017
/IEC 60065:2014



R-41214922
www.bis.gov.in

Mexico

SEBT1:



La operación de este equipo está sujeta a las siguientes dos condiciones:

1. Es posible que este equipo o dispositivo no cause interferencia perjudicial.
2. Este equipo o dispositivo debe aceptar cualquier interferencia. Incluyendo la que pueda causar su operación no deseada.

IFT: RCPSESE20-0353

Thailand

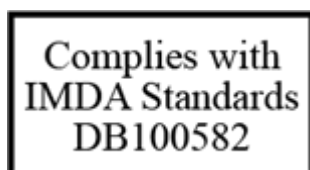
SEBT1:



เครื่องวิทยุคมนาคมนี้ ได้รับยกเว้น ไม่ต้องได้รับใบอนุญาตให้ มี ใช ซึ่งเครื่องวิทยุคมนาคม หรือตั้ง
สถานีวิทยุคมนาคมตามประกาศ กสทช. เรือง เครื่องวิทยุคมนาคม และสถานีวิทยุคมนาคมที่ได้รับ
ยกเว้นไม่ ต้องได้รับใบอนุญาตวิทยุคมนาคม ตามพระราชบัญญัติวิทยุคมนาคม พ.ศ. 2498

Singapore

SEBT1:



South Korea

SEBT1:



인증 번호 (Certificate): R-C-SE9-SEBT1

상 호 명 (Applicant): Sennheiser electronic SE & Co. KG

품명 (Product name): 특정소출력 무선기기

모델명 (Model): SEBT1

제조연월 (Date): See serial number label

제조사 (Manufacturer): Sennheiser electronic SE & Co. KG

제조국 (Country of origin): 중국/China



Battery: YU10395-17003



Vietnam

Kể từ ngày 1 tháng 12 năm 2012, các sản phẩm được sản xuất bởi Sennheiser tuân thủ Thông tư 30/2011/TT-BCT quy định về giới hạn cho phép đối với một số chất độc hại trong các sản phẩm điện và điện tử.

China

China RoHS

部件名称 (Parts)	有害物质										
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	邻苯二甲酸二 (2-乙基己)酯 (DEHP)	邻苯二甲 酸丁苄酯 (BBP)	邻苯二甲 酸二丁酯 (DBP)	邻苯二甲 酸二异丁酯 (DIBP)	产品环保年限 EFUP
电路模块 (Circuit Modules)	x	o	o	o	o	o	o	o	o	o	15
电缆及电缆组件 (Cables & Cable Assemblies)	x	o	o	o	o	o	o	o	o	o	15

本表格依据 SJ/T 11364 的规定编制。

o：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

x：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

SEBT1: CMIIT ID: 25J9902U0279



經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Taiwan



SEBT1: R3A531 RoHS

**台灣 RoHS**

限用物質含有情況標示聲明書

設備名稱：入耳式藍牙耳機，型號名稱：SEBT1						
單位 (Unit)	限制的物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁶⁺)	多溴化聯苯 (PBB)	多溴聯苯醚 (PBDE)
金屬部件 (Metal Parts)	-	0	0	0	0	0
電路模組 (Circuit Modules)	0	0	0	0	0	0
電纜 (Cables)	-	0	0	0	0	0
電纜組件 (Cable Assemblies)	-	0	0	0	0	0
備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。 Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2. “0”係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2: “0” indicates that the percentage content of the restricted substance does not exceed percentage of reference value of presence. 備考3. “-”係指該項限用物質為排除項目。 Note 3: The “-” indicates that the restricted substance corresponds to the exemption.						

Chile**SEBT1****Información comercial**

Fecha: 29.05.2026

Nombre comercial del equipo: Sennheiser

Fabricante: Sennheiser electronic SE & Co. KG, Am Labor 1, 30900 Wedemark, Germany

Importador o representante en Chile: CMV SECL SPA

Dirección: A Tajamar 481 T Sur Of 2004 SANTIAGO, Santiago, 7550000 Chile

Correo de contacto: operaciones@cmvaudiogroup.com

Sitio web: sennheiser.com/ie-100-pro-wireless**Especificaciones técnicas del equipo**

Tipo de producto: Auriculares inalámbricos intraaurales (Bluetooth)

Marca: Sennheiser

Model: SEBT1

Modulación: GFSK, $\pi/4$ DQPSK, 8DPSK

Frecuencia de transmisión: 2400 - 2483,5 MHz

Ganancia de la antena: 0 dBi

Potencia de salida: < 10 mW



Módulos: Bluetooth

Datos técnicos: [IE PRO BT Connector](#)

Informes de prueba relevantes: [FCC RF Exposure Report](#), [FCC 15B Test Report](#), [Photographs of the test configuration](#), [FCC Test Report Bluetooth EDR](#), [FCC Test Report Bluetooth LE](#)

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