Universal Interface
UI 770

Instruction Manual

SENNHEISER

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Safety instructions

▶ Please 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

▶ Do not listen at high volume levels for long periods of time to prevent hearing damage.

▶ Keep the product, accessories, small parts 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.

Preventing damage to the product and malfunctions

▶ Always keep the product dry and do not expose it to extreme temperatures (hairdryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation.

▶ Only use attachments/accessories supplied or recommended by Sennheiser.

▶ Do not short-circuit the contacts of the product. Make sure that no metal objects (e.g. paper clips, hair pins, earrings) come into contact with the interfaces and contacts.

Intended use/Liability

The universal interface can be used for calling and – together with a PC (VoIP) and/or a telephone – for audio input/output and is intended for professional office or call center use.

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

Sennheiser does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories. The risk is to be borne by the user.

Sennheiser is not liable for damages to USB devices that are not consistent with the USB specifications.

Sennheiser is not liable for damages resulting from the loss of connection due to flat batteries.

UI 770 universal interface

The UI 770 allows you to connect:

- a standard telephone that supports handsets with a dynamic, carbon or electret microphone
- a handset
- a headset of the Sennheiser Office or Call Center series
- a PC with a sound card or USB audio adapter (enabling you to use the headset for VoIP and multimedia applications)
- a dictaphone for voice recording

With the UI 770, you can then switch between the headset, the handset and the PC, set the volume of the headset speaker and microphone and mute the headset microphone.
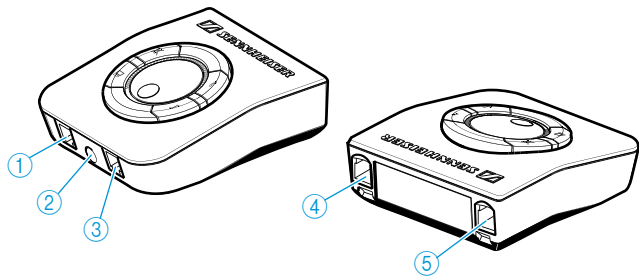
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Delivery includes

- UI 770
- 1.5 V C-size battery (IEC LR 14)
- Telephone connecting cable
- Modular to Easy Disconnect cable
- Instruction manual

Putting the UI 770 into operation

Connection sockets

The connection sockets are located at the front and rear of the UI 770.

① Headset socket

② Dictaphone socket
for voice recording

③ Handset socket

④ Phone socket
for the telephone

⑤ Aux/PC socket
for PC connection

Connection possibilities

An overview of the connection possibilities can be found on the fold-out page.

	Peripheral device	Connection on the UI 770	Connection on the peripheral device
A	Headset	Modular (RJ9)	Sennheiser Communications Easy Disconnect
B	Dictaphone	3.5 mm jack	3.5 mm jack, cable depends on dictaphone socket
C	Handset	Modular (RJ9)	Modular (RJ9)
D	Phone	Modular (RJ9)	Depending on phone
E	Aux/PC	Modular (RJ9)	3.5 mm jack

Connecting the headset to the UI 770

A Connect the modular plug of the adapter cable to the headset socket on the UI 770 until it locks in place.

Connecting the dictaphone to the UI 770

B Connect the 3.5 mm jack plug of the dictaphone connecting cable to the dictaphone socket on the UI 770 until it locks into place. Connect the 3.5 mm jack plug to your dictaphone.

Connecting the handset to the UI 770

C Pull the modular plug of the handset cable out of the telephone and connect it to the handset socket on the UI 770 until it locks into place.

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Connecting the telephone to the UI 770

D Connect one of the two modular plugs of the supplied tele-
phone connecting cable to the phone socket until it locks into
place. Connect the second modular plug to the handset socket
on your telephone.

Even with the UI 770 connected, you can use all functions of
your telephone as usual. To make a call, lift the handset and dial
a phone number. To end a call, replace the handset. The ''hands-
free conversation'' function can also be used as usual.

Connecting the PC to the UI 770

E Connect the modular plug of the PC
connecting cable to the Aux/PC socket
on the UI 770 until it locks into place.
Connect the two jack plugs to your PC
sound card as shown.
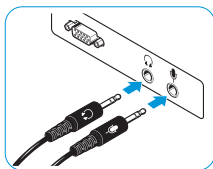
Inserting the battery

When inserted into the UI 770, the battery has a service life of
approx. one year. Under normal use, it is recommended to replace
the battery once a year.

▶ Remove the lower rear part of the housing. Use the supplied
screw to tamper-proof the battery compartment (which may
be mandatory in some countries).

▶ Insert the battery as shown and replace the lower rear part of
the housing.
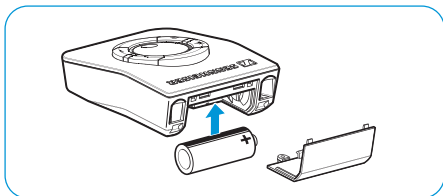
Adjusting the UI 770

Use the switches at the bottom of the housing to adjust the UI 770.
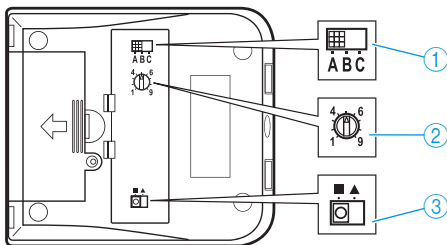
UI 770		Function of the switch/control
1	ABC switch	Adjusts a clear dial tone (wiring)
2	Microphone volume control	Adjusts the volume of the headset microphone (position 1-9)
3	EU switch	Limits the speaker volume (according to the EU Noise Directive 2003/10/EC)

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Adjusting a clear dial tone

▶ First make sure that the handset and the headset are connected correctly. The handset must be activated, i.e. the headset/handset button ℓ (see page 10) must be in "down" position. Check if you can hear a dial tone in the handset.

▶ Press the headset/handset button ℓ to activate the headset. Check if you can hear a dial tone in the headset.
Otherwise, set the ABC switch to the positions "A", "B" and "C" one after the other. In each position, check if you can hear a dial tone.

Adjusting the volume of the headset microphone

The microphone volume control on the UI 770 allows you to adjust the volume of the headset microphone: a soft voice is slightly amplified and a loud voice is attenuated.

▶ Adjust the telephone to a medium volume level.

▶ Turn the microphone volume control to position "1".

▶ Make a call and speak into the microphone with a normal voice. Slowly turn the microphone volume control until the other party can hear you.

Limiting the speaker volume

The EU switch on the UI 770 allows you to limit the speaker volume of the headset to comply with EU Directive 2003/10/EC.

▶ To limit the speaker volume, move the EU switch from position "square" to "triangle".

The UI 770 universal interface is a special version featuring a reduced output level. Even with the volume of the UI 770 set to the maximum, the signal transmitted by the connected Sennheiser Communications headset will never exceed the maximum of 85 dB(A) per day as a time-weighted average* value, which is in compliance with the EU Noise Directive**.

* The time-weighted average value is based on a breakdown of a typical working day and measured as the sound pressure level with a B&K HATS (Head And Torso Simulator).

** EU Directive 2003/10/EC on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (noise).
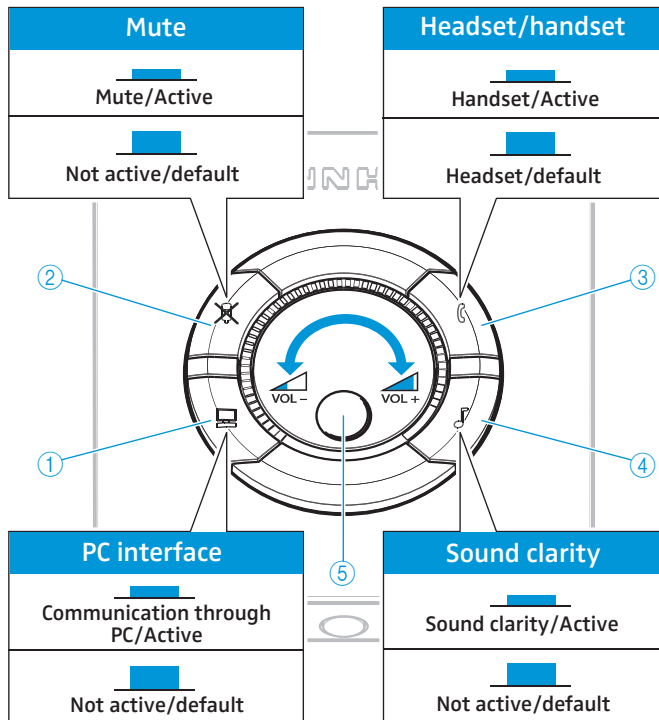
When is the UI 770 ready for operation?

The UI 770 is ready for operation as soon as:

• the battery is inserted
• it is connected and adjusted to your telephone

If you disconnect the UI 770 from the telephone, it is immediately put out of operation.

Using the UI 770

Mute	
Mute/Active	
Not active/default	

Headset/handset	
Handset/Active	
Headset/default	

PC interface	
Communication through PC/Active	
Not active/default	

Sound clarity	
Sound clarity/Active	
Not active/default	

① PC/telephone button 🖳   ④ Sound clarity button ♪

② Mute button ⓧ   ⑤ Volume control

③ Headset/handset button ℂ

Switching between the headset and the handset

▶ Press the headset/handset button 〔 to switch between the headset and the handset.
Button down: Handset is activated
Button up: Headset is activated

Muting the headset microphone

▶ Press the mute button 🔀 to mute the headset microphone.
Button down: Microphone is muted
Button up: Microphone is activated

Adjusting the sound clarity of the headset speaker

With the UI 770, you can adjust the sound clarity of the headset speaker. Annoying background noise coming through the headset speaker is filtered out and speech intelligibility is thus enhanced.

▶ Press the sound clarity button ♪ to filter out annoying background noise.
Button down: Speech intelligibility enhancement is activated
Button up: Speech intelligibility enhancement is deactivated

Selecting the source – PC or telephone

▶ Press the PC/telephone button 🖳 to select the source – PC or telephone.
Button down: PC is selected as the source
Button up: Telephone is selected as the source

ℹ️ If the PC is selected as the source, the mute button 🔀 and volume control are deactivated. Consequently, you cannot mute the headset microphone or adjust the volume of the headset speaker using the UI 770 but you have to adjust the volume via your PC.

Adjusting the volume of the headset speaker

▶ Use the volume control to continuously adjust the volume of the headset speaker.

''Dynamic Volume Control'' ensures that the volume set via the volume control is kept constant, even if the other party speaks with varying volumes.

Using the dictaphone output

The dictaphone output can be used to record a conversation in both directions.

Cleaning the UI 770

Only use a soft – and, if necessary, slightly damp – cloth for cleaning the UI 770. Do not use any solvents or cleansing agents as these can damage the varnish of the UI 770.

If a problem occurs

Problem	What to do
No dial tone	Make sure that the headset/handset button is in ''up'' position.
	Make sure that the handset is lifted.
	Make sure that the cables are connected correctly.
	Make sure that the UI 770 is correctly adjusted to your telephone.
Adjustment to your telephone is not possible	Your telephone does not meet standard requirements. Please contact your dealer.

Problem	What to do
The other party cannot hear you	Make sure that the mute button is in ''up'' position.
No connection to the PC	Make sure that the cables are connected correctly.
	Increase the volume on your PC.
	Your PC and the UI 770 are not compatibel. Please contact your dealer.
Your voice can hardly be heard	Make sure that the headset microphone is positioned at the corner of your mouth.
	Make sure that the volume of the headset microphone is sufficient.
	Make sure that the UI 770 is correctly adjusted to your telephone.
The speaker volume varies	Your telephone does not meet standard requirements. Please contact your dealer.
	The battery may be low. Replace the battery

If the problem persists, please contact your local Sennheiser Communications agent for assistance. Never repair or attempt to repair the units as this will invalidate the warranty.

For possible solutions to problems, please refer to the FAQ on our website at www.sennheiser.com > ''Products'' > ''Universal Interface''.

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Accessories

Accessories	Cat. No.
Headset holder 3in1 (headset holder – desktop mounting plate - desktop lock plate)	502392
Cable (modular to 2x 3.5 mm jack plug) for connection of UI to PC via standard sound card – existing CUIPC 1	05373
Cable (modular to USB plug) for connection of UI to PC directly via USB port	502394
Cable (3.5 mm jack plug to 3.5 mm jack plug) for connection of UI to ''dictaphone device'' (PC, PDA, tape recorder etc.)	502391
Cable (modular to modular) for connection of UI to desk phone CPHUI 1	502392
Cable (modular to Easy Disconnect) for connection of UI to headset – CSTD 01 standard bottom cable	05373

Specifications

Dimensions [mm]	91 x 32 x 101
Weight	approx. 137 g approx. 205 g with battery
Battery	1.5 V C-size battery (IEC LR 14)

Manufacturer declarations

Warranty

Sennheiser Communications A/S gives a warranty of 24 months on this product. For the current warranty conditions, please visit our website at www.sennheiser.com or contact your Sennheiser partner.

Australian warranty

Sennheiser's goods come with guarantees that cannot be excluded under the Australian 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 liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law.

To make a claim under this warranty, contact

Sennheiser Australia Pty Ltd, Unit 3, 31 Gibbes Street Chatswood NSW 2067, AUSTRALIA

Phone: (02) 9910 6700, email: service@sennheiser.com.au.

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

The Sennheiser International Warranty is provided by Sennheiser Australia Pty Ltd (ABN 68 165 388 312), Unit 3, 31 Gibbes Street Chatswood NSW 2067 Australia.

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In compliance with the following requirements

- WEEE Directive (2012/19/EU)

   Please dispose of this product at the end of its operational lifetime by taking it to your local collection point or recycling center for such equipment.

   The supplied standard batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose of exhausted batteries.

In compliance with:

USA	FCC
Canada	ICES-003 Class B
Europe	CE
Australia/ New Zealand	N340
China	15
Korea	B급 기기 (가정용 방송통신기자재)　이 기기는 가정용(B급)으로 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
	안전인증 (Certification No)　KCC-REM-SC9-UI770
	품명 (Product name)　Universal Interface box
	모델명 (Model)　UI 770
	신청인 (Applicant)　Sennheiser Communications A/S
	제조자 (Manufacturer)　Sennheiser Comunications A/S
	제조국 (Country of Origin)　China

CE Conformity

- EMC Directive (2014/30/EU)
- RoHS Directive (2011/65/EU)

The declaration is available at www.sennheiser.com.

Before putting the product into operation, please observe the respective country-specific regulations!

Trademarks

Sennheiser is a registered trademark of Sennheiser electronic GmbH & Co. KG.

Other product and company names mentioned in this instruction manual may be the trademarks or registered trademarks of their respective owners.

Statements regarding FCC and Industry Canada

FCC Declaration of Conformity (DoC)

FC SENNHEISER
Model No: UI 770

We,   Sennheiser Electronic Corporation
One Enterprise Drive • Old Lyme •
CT 06371 • USA
Tel: +1 (860) 434 9190, ext. 144
Fax: +1 (860) 434 1759

declare the above device comply with the requirements of Federal Communications Commission.

This device complies with Part 15 of the FCC rules. Operation is subjected 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.

Responsible Party: Greg Beebe

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:

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- 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.

Changes or modifications made to this equipment not expressly approved by Sennheiser electronic Corp. may void the FCC authorization to operate this equipment.

This class B digital apparatus complies with the Canadian ICES-003.

This device complies with Part 15 subpart b of the FCC Rules and NMB 003 of Industry Canada. 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.