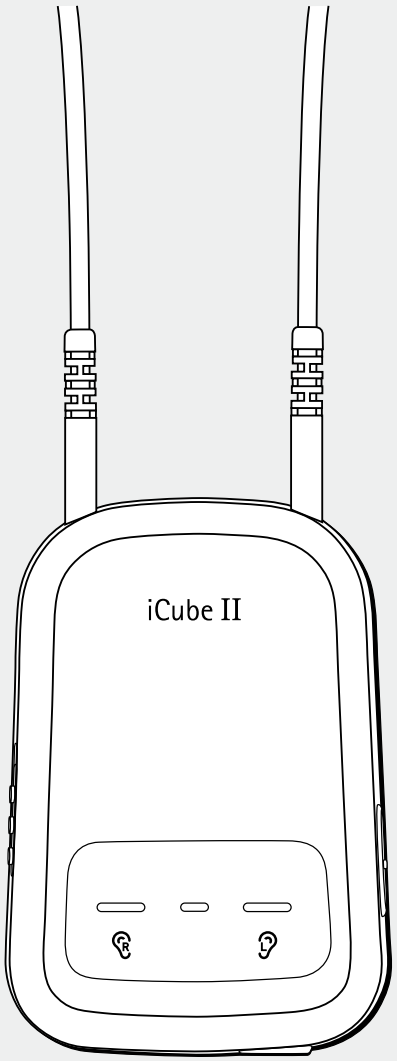
iCube II

User Guide



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1. Welcome

iCube II is designed specifically for use by the hearing care professional and enables the wireless transfer of fitting data from the PC to the client's hearing instruments.

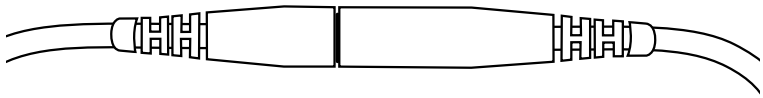
Please read this user guide carefully to benefit from all the features of the iCube II.

For further information, please visit the Phonak website www.phonakpro.com

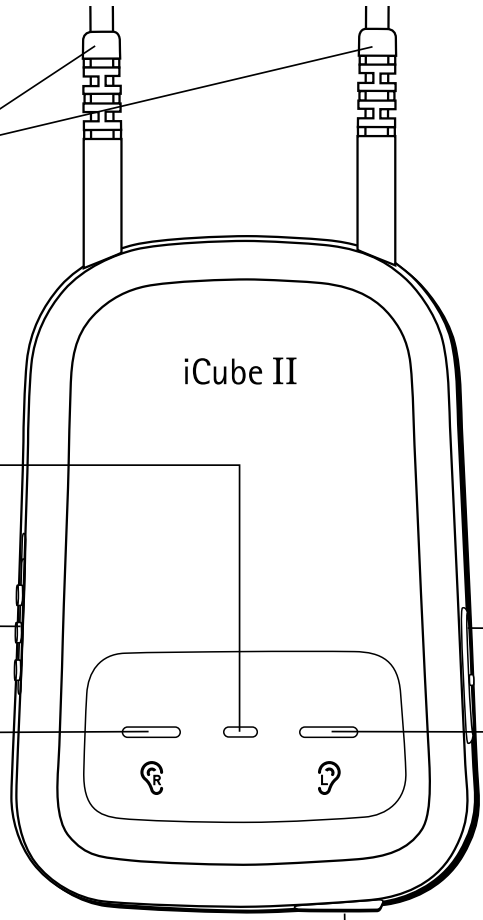
Phonak – life is on www.phonak.com

2. Description

Alternative rear neckloop opening



Neckloop plugs



Middle indicator light (battery and PC activity)

On / Off

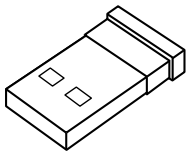
Right fitting indicator light

Pairing button

Left fitting indicator light

Mini USB charging input

iCube II USB adapter



3. iCube II accessories*

- USB cable, 3 m (10 ft.)
- iCube II desktop charger
- USB hub

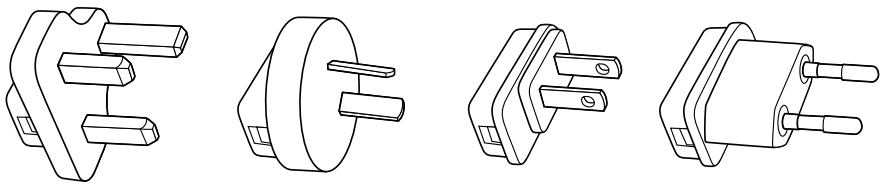
ⓘ Contents may vary depending on country.

*available as an option

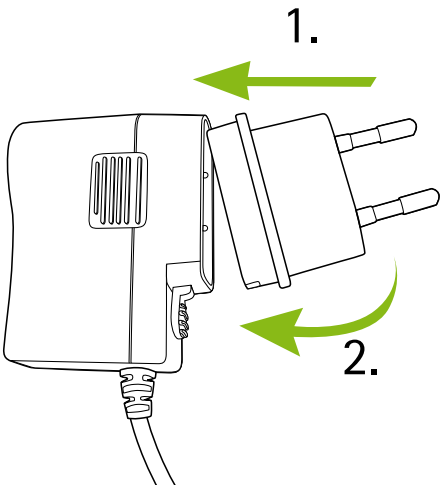
4. Getting started

4.1 Set up the power supply

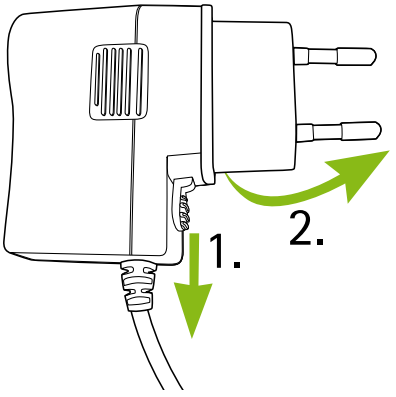
Select the adapter that corresponds to your country.



UK AUS US EU



- Insert the top round end of the adapter into the round corner of the power supply.
- Click the tail of the adapter in to lock it into place.

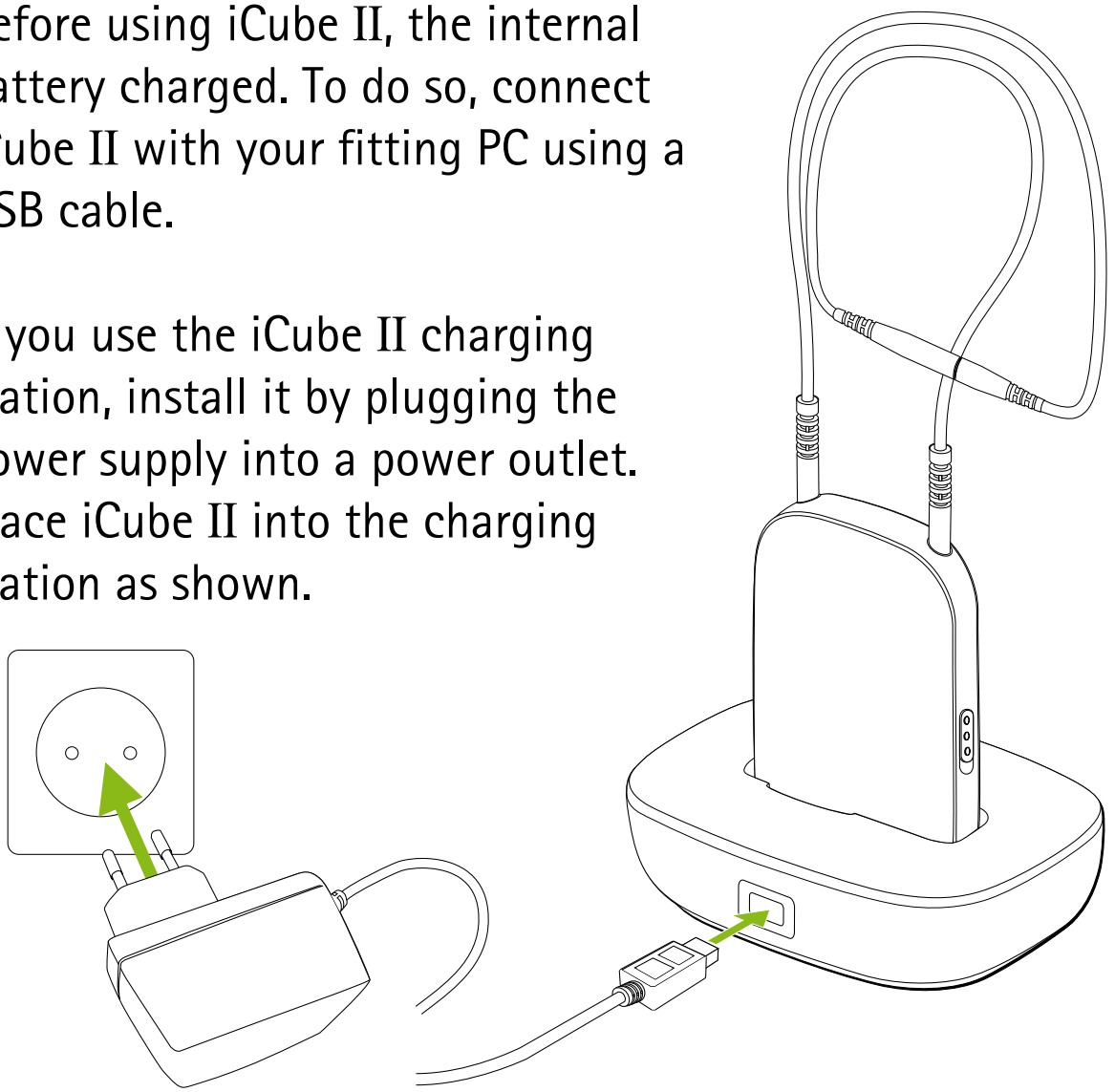


- To remove, pull back the tab on the power supply.
- Pull the adapter upwards to remove it.

4.2 Battery and Charging

Before using iCube II, the internal battery charged. To do so, connect iCube II with your fitting PC using a USB cable.

If you use the iCube II charging station, install it by plugging the power supply into a power outlet. Place iCube II into the charging station as shown.



It is recommended that you charge iCube II whenever it is not in use. This way it will be sufficiently charged and ready for the next fitting session.

ⓘ iCube II charging station is available as an option

Battery notes

ⓘ When charging your iCube II for the first time, leave it to charge for at least three hours (even if the battery indicator light changes to green color earlier).

ⓘ Charging an empty battery will take approx. 2 hours. It is safe to leave iCube II connected overnight.

ⓘ A new battery's full performance is achieved only after two or three complete charge and discharge cycles.

ⓘ The iCube II battery can be charged several hundred times. If the operating time of your iCube II reduces substantially, please contact your local Phonak representative.

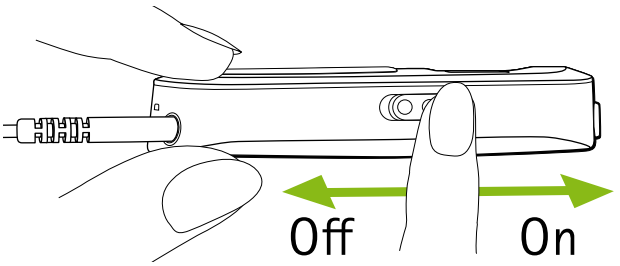
ⓘ For safety reasons, recharge the battery only with chargers supplied by Phonak.

4.3 Operating time

The operating time of iCube II greatly depends on the usage of the device. Heavy use will reduce the operating time of your iCube II between battery recharges. Fully charged, your iCube II will operate for up to twelve hours.

4.4 Switching iCube II On and Off

Slide the switch as shown to switch iCube II on or off.



ⓘ Once iCube II is fully operational, the middle indicator light will flash slowly.

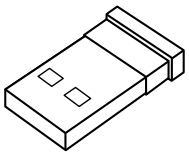
ⓘ Switch iCube II off when not in use. The battery indicator light will turn off.

4.5 Target fitting software requirements

Before using iCube II, ensure that Target 4.0 or a later version is installed on the fitting PC.

5. Connecting iCube II to your computer

iCube II is shipped with a USB adapter that is pre-paired and will ensure a quick and easy set-up of the wireless connection with your fitting PC.



Alternatively, iCube II can also be connected with any Bluetooth capable PC. It may also be connected via USB cable if it is not allowed to use a wireless connection.

5.1 Wireless connection setup

Automatic connection

To connect iCube II with the fitting PC make sure that Phonak Target 4.0 or a higher version is installed.
Plug the USB adapter in a free USB port on your fitting PC. Switch iCube II on and the connection will be established automatically.

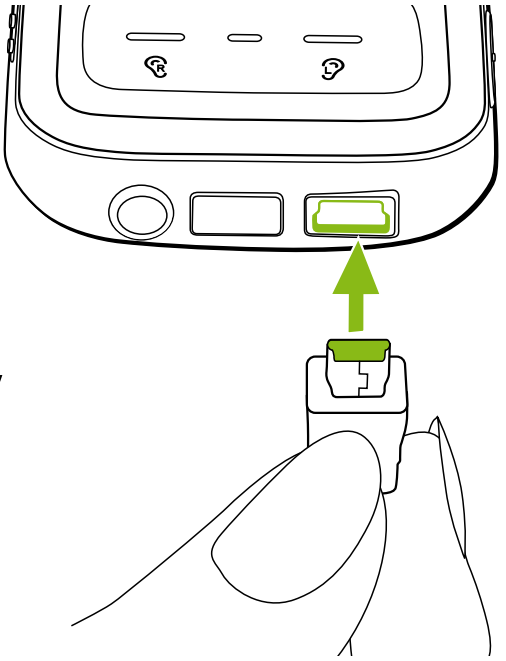
ⓘ The USB adapter is pre-paired with iCube II. After replacement of either the adapter or iCube II, a manual pairing is required as described below.

Manual Connection

For a manual pairing with a bluetooth capable PC, switch iCube II on and press the pairing button for 2 seconds to enable the pairing mode.
To indicate the pairing mode, all indicators are rapidly blinking back and forth. Follow the instructions of the Bluetooth application on the PC to establish the connection.

5.2 Connecting via USB cable

To connect iCube II via USB cable, insert the mini-USB plug into iCube II and the other end to a free USB port on the fitting PC. Phonak Target will automatically detect iCube II and it can be selected as fitting device.



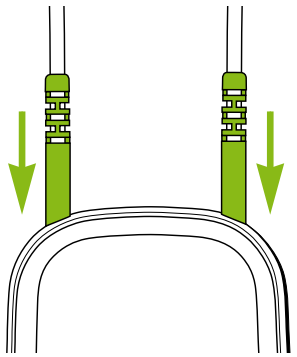
ⓘ Use an optional USB hub accessory if there is no free USB plug on your computer.

6. Using iCube II

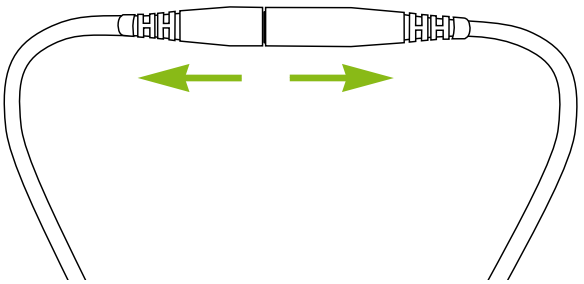
Before using iCube II, make sure the battery is sufficiently charged. If the battery indicator light is orange, please charge iCube II first.
Make sure that iCube II is also selected and shown as the fitting device in the dashboard of Phonak Target.

6.1 Wearing iCube II

Make sure both ends of the neckloop are plugged in the iCube II.



Open the neckloop by unplugging the connector built-in the middle of the neckloop and place iCube II around your client's neck.



Close the neckloop to allow the built-in antenna to operate correctly.

6.2 Detecting and programming hearing instruments

For a wireless fitting, the assignment of the left/right hearing aid is done in Phonak Target. Click the "Connect" button which is located on the dashboard.

((insert new screenshot))

Follow the instructions on the screen to assign (or reassign) each hearing instrument to the desired side (left or right).

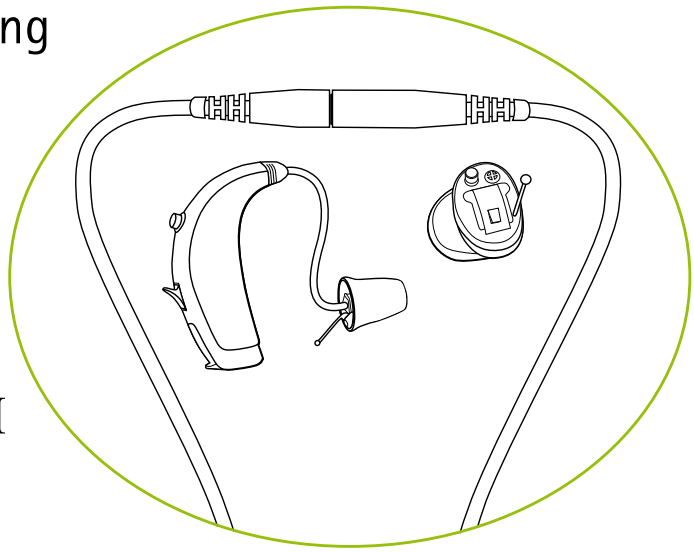
((insert new screenshot))

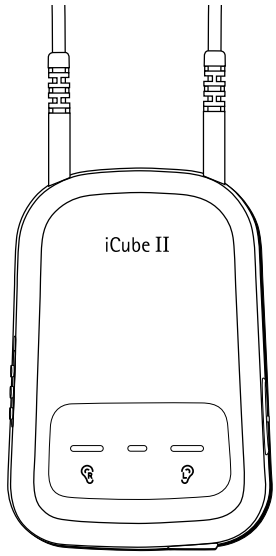
Choose either the settings from the hearing instruments ("HI") or create a new fitting.

((insert new screenshot))

6.3 Programming hearing instruments outside of ears

If you need to program hearing instruments outside of the client's ears (e.g. to prepare the hearing instuments before a fitting session), make sure the hearing instruments are within the range of iCube II.
Place the hearing instruments and iCube II as shown in the picture.



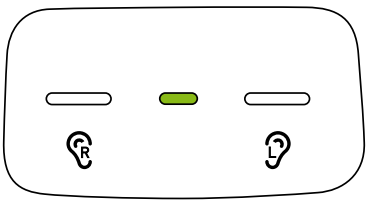


7. Indicator lights

There are 3 indicator lights on iCube II for an easy indication of the battery and fitting status.

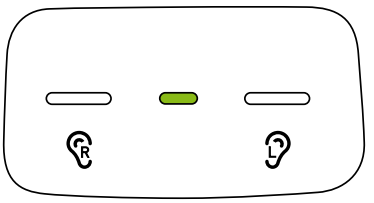
7.1 Charging indication

Middle indicator lit solid orange



iCube II is charging

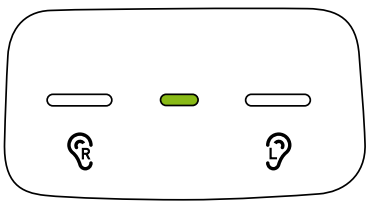
Middle indicator lit solid green



Charging is complete

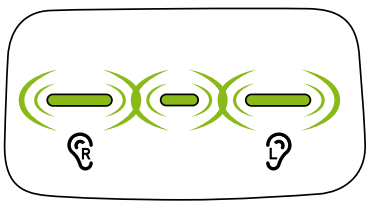
7.2 On / off indication

Middle indicator lit solid green for 2 s



iCube II switches on

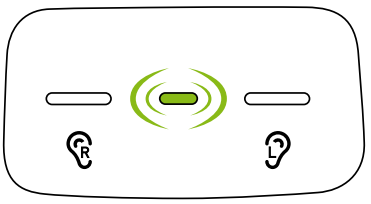
All three indicators flashing slowly 3 times



iCube II switches off

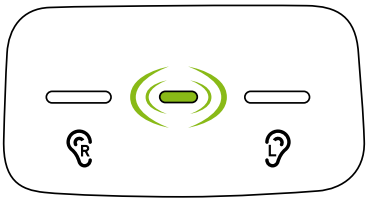
7.3 Battery status indicaton

Middle indicator flashing slowly green



Battery full

Middle indicator flashing slowly orange

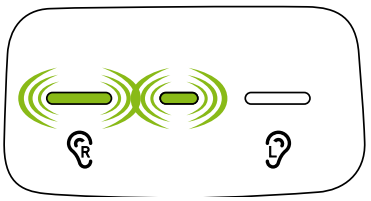


Battery low

ⓘ Make sure to charge iCube II after the fitting session if the battery indicator light turns orange.

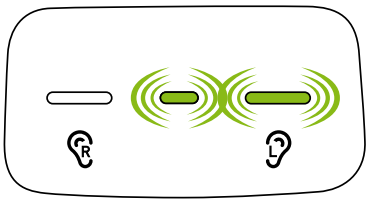
7.4 Fitting status indication

Right fitting indicator and middle indicator flashing rapidly



iCube II is programming right hearing instrument

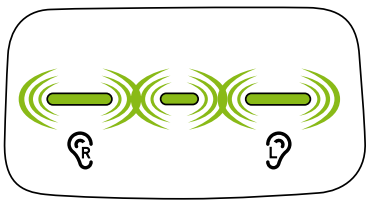
Left fitting indicator and middle indicator flashing rapidly



iCube II is programming left hearing instrument

7.5 Pairing indication

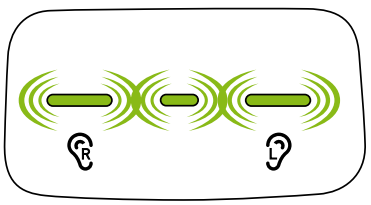
All 3 indicators rapidly blinking back and forth



Pairing mode is enabled

7.6 Firmware update indication

All three indicators flashing rapidly

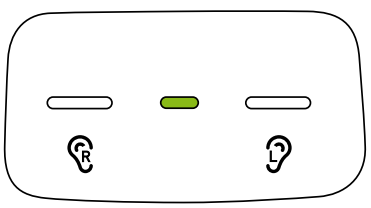


iCube II firmware is updated

ⓘ Phonak Target will display a notification when a new firmware version for iCube II is available.

7.7 Malfunction indication

Middle indicator lit solid red



Malfunction, please refer to troubleshooting section

8. Troubleshooting

Most probable cause	*Remedy*
iCube II is no longer recognized by the computer to which it was previously paired.	
■ The iCube II USB adapter is disconnected from the fitting computer. ■ iCube II is out of range.	■ Plug in iCube II USB adapter. ■ Move iCube II closer to your computer.
iCube II turns off.	
■ The battery is empty.	■ Charge iCube II.
iCube II is unresponsive and the middle indicator is lit solid red.	
■ This may indicate a malfunction.	■ Switch iCube II off and back on after 20seconds to reboot it. ■ If iCube II is connected to the fitting PC via cable, disconnect it from the cable and perform reboot as described above.

Most probable cause	*Remedy*
A second or different iCube II cannot be connected to the fitting PC.	
■ Only one iCube II can be paired with the fitting PC.	■ If you use the USB receiver, press the pairing button on iCube II to connect it with your computer. ■ If you do not use the USB receiver, make sure your bluetooth device is switched on and in pairing mode to establish the connection.

9. Declaration of conformity

Phonak AG, Laubisrütistrasse 28, CH-8712 Stäfa, Switzerland declares under its sole responsibility that the iCube II is in conformity with the following standards or other standardizing documents:

Radio:
EN 300-330
EN 300 328

EMC:
EN 60601-1-2

Safety:
EN/IEC 60601-1

Implementing the provisions of the MDD 93/42/EEC (Medical Device Directive), R&TTE Directive 1999/5/EC (Radio and Telecommunications Terminal Equipment), EMC Directive 2004/108/EC (Electromagnetic Compatibility) and LVD 2006/95/EC (Low Voltage Directive).

10. Service and Warranty

10.1 International warranty

Phonak offers a one year limited international warranty, valid as of the date of purchase. This limited warranty covers manufacturing and material defects. The warranty only comes into force if proof of purchase is shown. The international warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods.

10.2 Warranty limitation

This warranty does not cover damage from improper handling or care, exposure to chemicals, immersion in water or undue stress. Damage caused by third parties or non-authorized service centers renders the warranty null and void.

Serial number:

_____

Date of purchase:

_____

11. Compliance information

Declaration of conformity
Hereby Phonak AG declares that this Phonak product is in compliance with the essential requirements of the Medical Devices Directive 93/42/EEC as well as the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC. The full text of the Declaration of Conformity can be obtained from the manufacturer or the local Phonak representative whose address can be taken from the list on http://www.phonak.com (worldwide locations).

Notice 1:
This instrument is certified under:

FCC ID: KWC-iCUBE2
IC: 2262A-iCUBE2

This device complies with Part 15 of the FCC Rules and with RSS-210 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.

Notice 2:
Changes or modifications made to this device not expressly approved by Phonak may void the FCC authorization to operate this device.

Notice 3:
This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and ICES-003 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device 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 device and receiver.

- Connect the device 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.

Notice 4:
Japanese Radio Law and Japanese Telecommunications Business Law Compliance. This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese Telecommunications Business Law (電気通信事業法). This device should not be modified (otherwise the granted designation number will become invalid).

7. Information and explanation of symbols

CE	With the CE symbol, Phonak AG confirms that this Phonak product meets the requirements of the Medical Devices Directive 93/42/EEC as well as the R&TTE Directive 1999/5/EC on radio and telecommunications equipment. CE mark applied 2014.
	This symbol indicates that the products described in these user instructions adhere to the requirements for an application part of Type B of EN 60601-1. The surface of the device is specified as an applied part of Type B.
	This symbol indicates that it is important for the user to read and take into account the relevant information in this user guide.

7. Information and explanation of symbols

⚠	This symbol indicates that it is important for the user to pay attention to the relevant warning notices in these user guides.
ⓘ	Important information for handling and product safety.
	EMC and radio communications compliance label Australia.
Operating conditions	The device is designed such that it functions without problems or restrictions if used as intended, unless otherwise noted in these user guides.
	Temperature transport and storage: –20° to +60° Celsius (–4° to +140° Fahrenheit). Temperature operation: 0° to 40° Celsius (+32° to +104° Fahrenheit)

	Keep dry
	Humidity transportation: up to 90% (non-condensing). Humidity storage: 0% to 70%, if not in use. Humidity operation: <95% (non condensing)
	Atmospheric pressure: 200 hPA to 1500 hPA.
	The symbol with the crossed-out garbage bin is to make you aware that this device may not be thrown away as normal household waste. Please dispose of old or unused device, at waste disposal sites intended for electronic waste, or return it to your group company for disposal. Proper disposal protects the environment and health.

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