iCube II

User Guide



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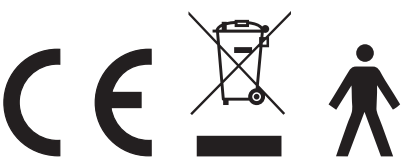
1. Welcome

iCube II is designed specifically for use by the hearing care professional.

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.phonak-us.com

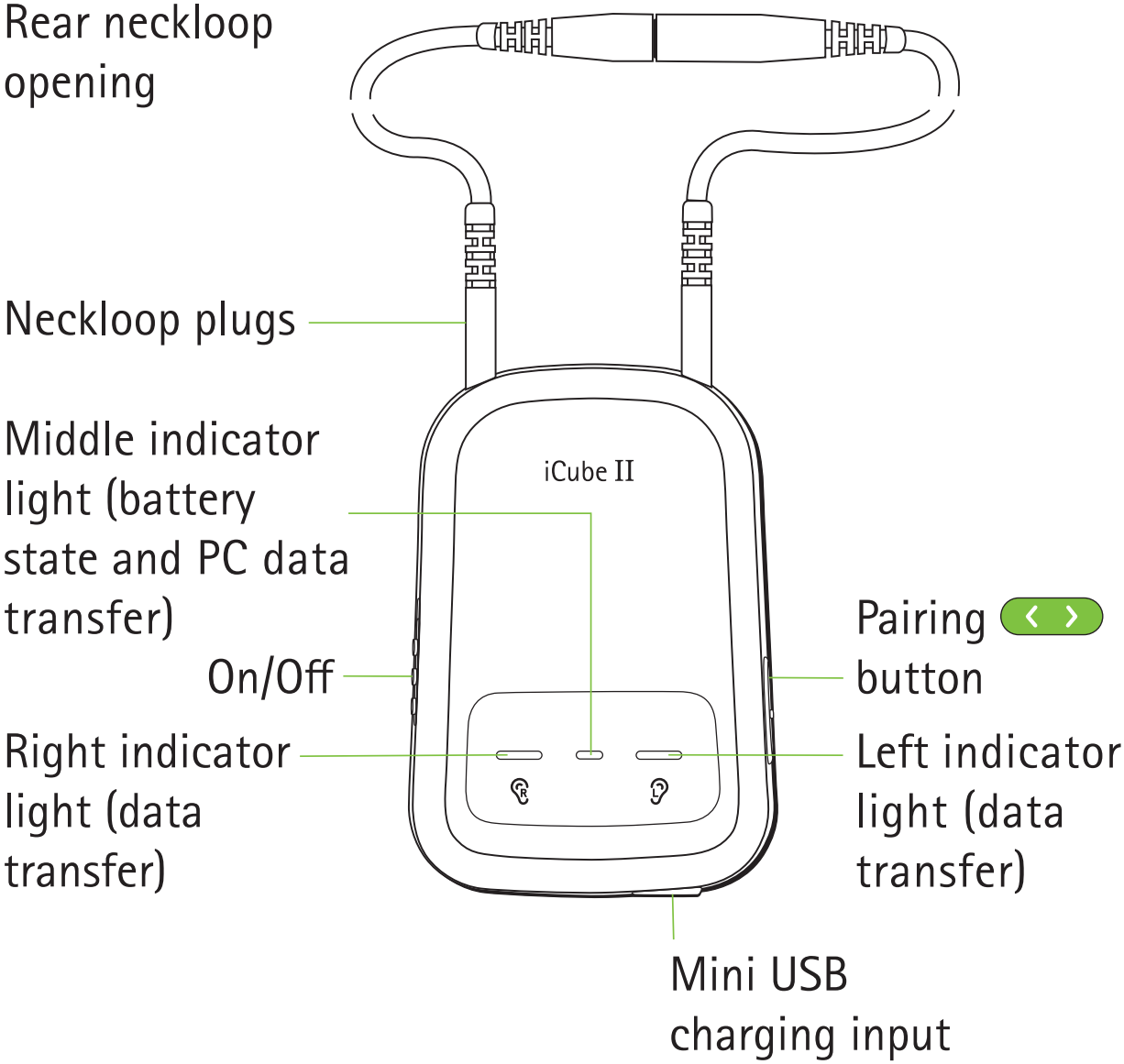
Phonak – life is on www.phonak-us.com

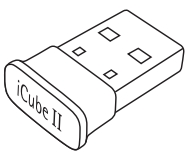


CE mark applied: 2014

2. Description

The intended use of this device is the wireless transfer of fitting data from the PC to the client's hearing instruments.





Wireless iCube II USB adapter

3. iCube II accessories (optional)

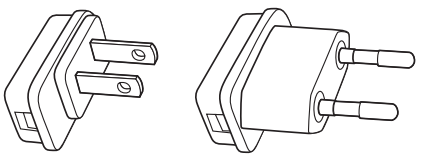
- USB cable, 3 m (10 ft)
- iCube II desktop stand
- USB hub

ⓘ Contents may vary depending on country.

4. Getting started

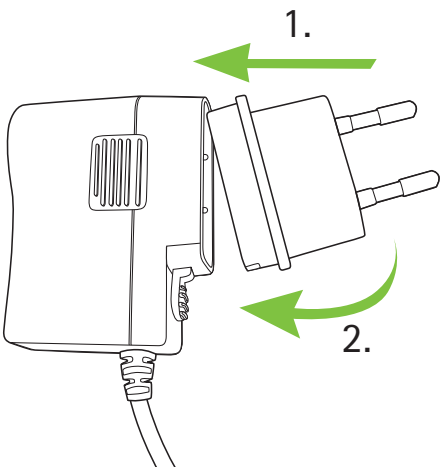
4.1 Setting up the power supply

Select the adapter for your country.

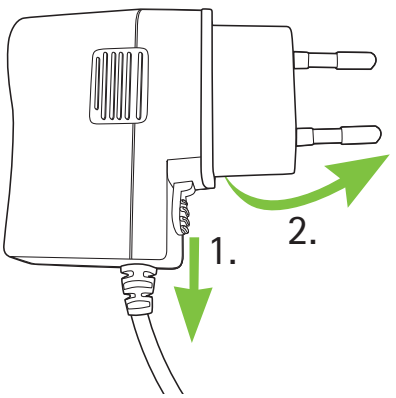


US EU

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

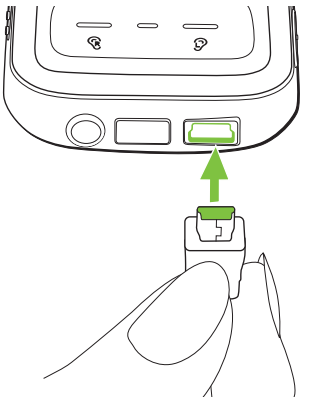


1. To remove, pull back the tab on the power supply.
2. Pull the adapter upwards to remove it.

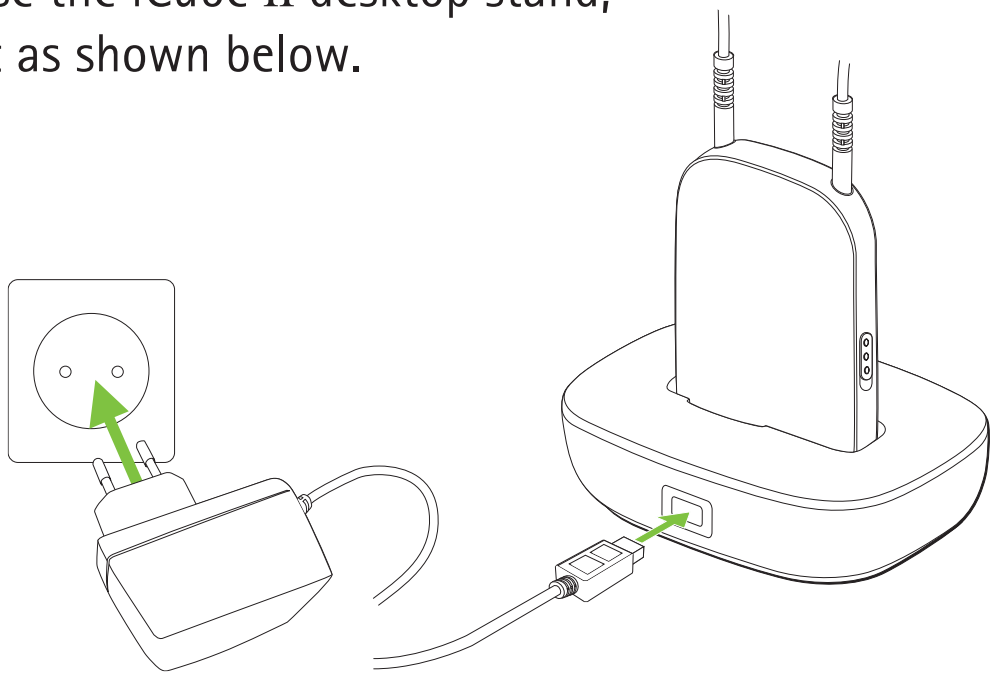


4.2 Charging the battery

Plug a mini-USB plug into the iCube II and plug the power supply into a power outlet.



If you use the iCube II desktop stand, install it as shown below.



It is recommended to 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 desktop stand is available as an option

Battery notes

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

ⓘ Charging a depleted battery will take approx. 2 hours. It is safe to leave iCube II connected for longer periods, even if not in use.

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

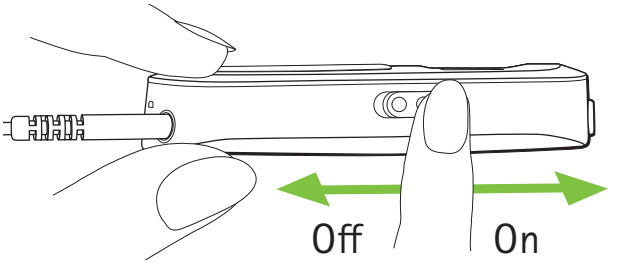
ⓘ The iCube II battery can be charged several hundred times. If the operating time of your iCube II reduces substantially, please contact your local Phonak representative.

4.3 Operating time

Fully charged, your iCube II will operate for up to twelve hours of continuous fitting.

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 blink slowly.

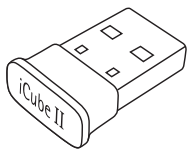
ⓘ Switch iCube II off when not in use and while charging. The middle indicator light will stop blinking.

4.5 Target fitting software requirements

Before using iCube II, ensure that Phonak 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 pre-paired wireless USB adapter to ensure a quick and easy set-up of the wireless connection with your fitting PC.



iCube II may also be connected with any Bluetooth capable PC if a USB socket is not available at all or via a USB cable if a wireless connection is not possible.

5.1 Connecting wirelessly

Automatic connection

To connect iCube II with the fitting PC make sure that Phonak Target 4.0 and newer is installed. Plug the USB adapter into a free USB port on your fitting PC.

ⓘ Make sure the USB adapter is plugged in a USB port on the fitting PC. Do not use a USB extension cable to connect it.

Switch iCube II on and the connection will be established automatically as soon as Phonak Target is started.

ⓘ 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.

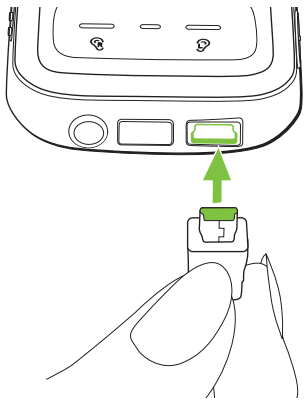
Manual pairing

Switch iCube II on and press the pairing ‹ › button for 2 seconds to start the pairing mode.
When in pairing mode, all indicator lights will rapidly blink back and forth. In Phonak Target, go to Settings, select Fitting device and check Enable iCube II.
Go to iCube II via USB adapter and start the Pairing assistant. It will guide you through the pairing process.

ⓘ A manual pairing is also required after a reset to factory settings.

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 into a free USB port on the fitting PC. Phonak Target 4.0 or newer will automatically detect iCube II and it can be selected as the fitting device.



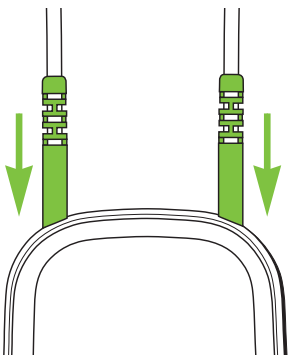
ⓘ Use the optional USB hub if there are no free USB ports on your computer.

6. Using iCube II

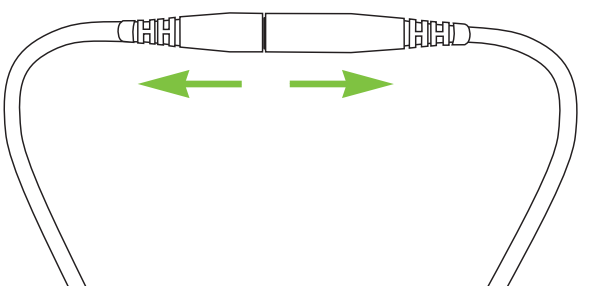
Before using iCube II, make sure the battery is sufficiently charged. If the middle indicator light is orange, please charge iCube II.
Make sure that iCube II is selected and shown as the fitting device in Phonak Target.

6.1 Wearing iCube II

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



Open the neckloop by unplugging the connector 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

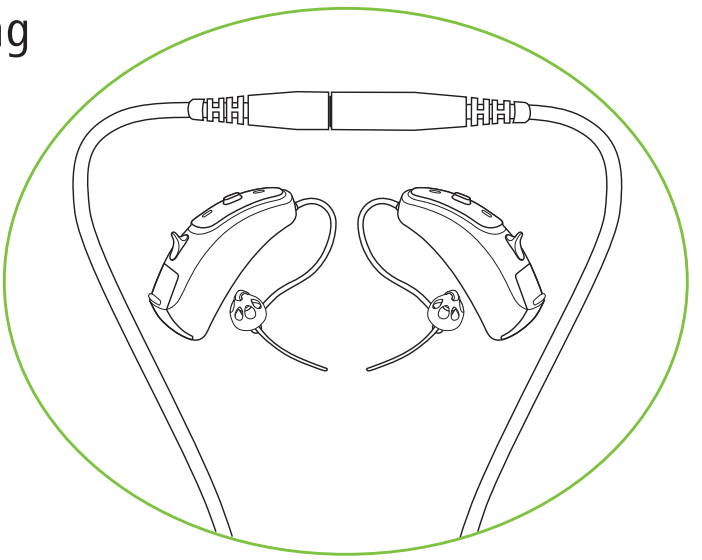
For a wireless fitting, the assignment of the left/right hearing aid is done in Phonak Target. Make sure that iCube II is selected as fitting device and click **Connect**.

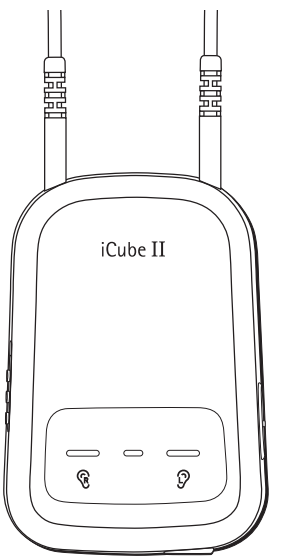
The detected devices will be shown to assign (or reassign) each hearing instrument to the desired side (left or right). Click **Continue**.

Follow the instructions on the screen to finish the detection.

6.3 Programming hearing instruments on your desk

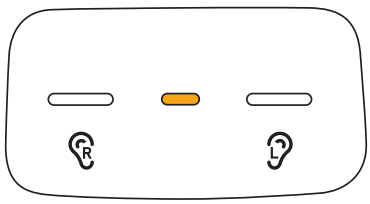
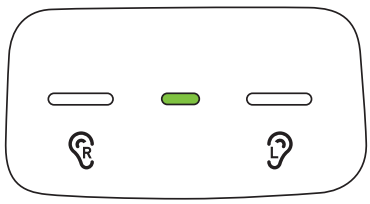
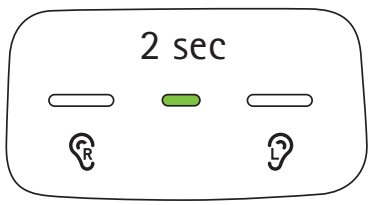
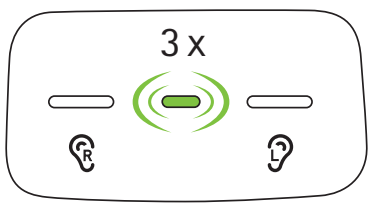
If you need to program hearing instruments outside of the client's ears (e.g. to prepare the hearing instuments before a fitting session), place the hearing instruments on a flat surface and put the neckloop of iCube II around them as shown in the picture.



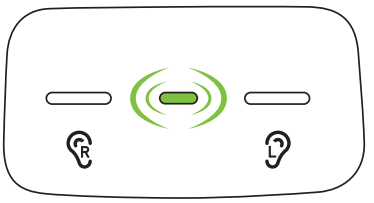
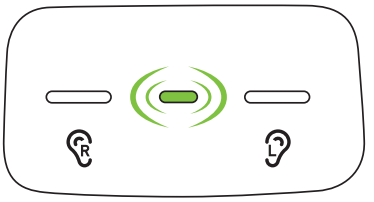
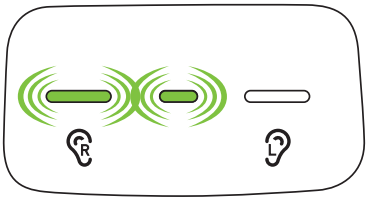
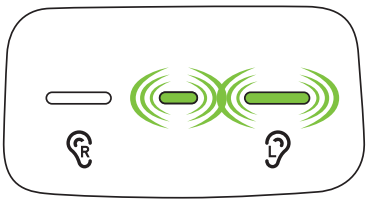
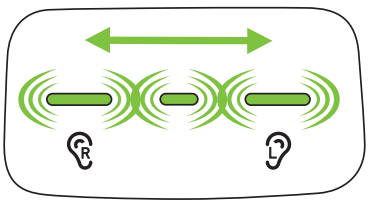
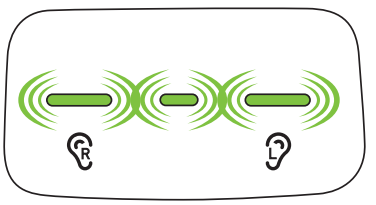


7. Indicator lights

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

Middle indicator remains solid orange		Charging
Middle indicator remains solid green		Charging complete
Middle indicator is solid green for 2 s		iCube II starting up
Middle indicator slowly blinking 3 times		iCube II switching off

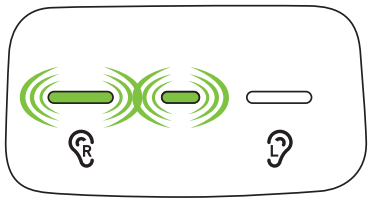
7. Indicator lights

Middle indicator slowly blinking		On, no active connection to fitting PC
Middle indicator regularly blinking		Active connection to fitting PC
Right and middle indicator rapidly blinking		Programming right hearing instrument
Left and middle indicator rapidly blinking		Programming left hearing instrument
All indicators rapidly blinking back and forth		Pairing mode enabled
All three indicators rapidly blinking		Updating firmware on iCube II

ⓘ The middle indicator light will change to orange color when the battery gets low. Make sure to charge iCube II after the fitting session.

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

Middle indicator remains solid red



Malfunction, please refer to troubleshooting section

8. Troubleshooting

Causes	*What to do*
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 the 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 wait for 20 seconds before switching on again. ■ If iCube II is connected to the fitting PC via cable, disconnect it from the cable and perform reboot as described above.

Causes	*What to do*
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 adapter, press the pairing button on iCube II to connect it with your computer. ■ If you do not use the USB adapter, make sure your Bluetooth device is switched on and in pairing mode to establish the connection.

9. Service and warranty

9.1 Local warranty

Please ask your local Phonak representative, where you purchased your device, about the terms of the local warranty.

9.2 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.

9.3 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:

10. Compliance information

Europe:

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-us.com (worldwide locations).

Australia:

Supplier Code Number N15398

New Zealand:

Supplier Code Number Z1285

The Phonak iCube II is certified under:

USA	FCC ID: KWC-iCube2
Canada	IC: 2262A-iCube2

The Phonak iCube II USB adapter is certified under:

USA	FCC ID 079BT402
Canada	IC 11512A-BT403

Notice 1:
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).

11. Information and description of symbols



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.



This symbol indicates that the products described in these user instructions adhere to the requirements for an applied 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.

	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 this user guide.
	Temperature transport and storage: –20° to +60° Celsius (–4° to +140° Fahrenheit). Temperature operation: 0° to 40° Celsius (+32° to +104° Fahrenheit)

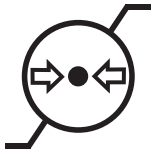
11. Information and description of symbols



Keep dry



Humidity transportation and storage:
<90% (non-condensing).
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.

Bluetooth®	The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Phonak is under license. Other trademarks and trade names are those of their respective owners.
	Japanese mark for certified radio equipment.
	Indicates the medical device manufacturer, as defined in EU Directive 93/42/EEC.

12. Important safety information

The following pages contain important safety information.

Hazard warnings

⚠ Phonak devices may generate magnetic fields. Tests that Phonak conducted showed that no interferences with the implantable devices were caused that would impact the safe and effective use of the implantable devices. Users of implantable devices should contact their doctor and/or the manufacturer of the implantable device before they start using a Phonak device. Stop using the Phonak device if any influence of the Phonak device on the implantable device is experienced and contact the manufacturer of the implantable device for advice.

⚠ Keep this device out of reach of children under 3 years.

⚠ Changes or modifications to the device that were not explicitly approved by Phonak are not permitted. Phonak is not responsible for situations resulting from a modified device.

⚠ Opening the device might damage it. If problems occur which cannot be resolved by following the remedy guidelines in the troubleshooting section of this user guide, consult your local Phonak representative.

⚠ This product has an embedded, non-replaceable battery. Do not attempt to open the product or remove the battery as this may cause injury and damage the device.

⚠ Dispose of electrical components in accordance with your local regulations by Phonak AG.

⚠ Only use accessories approved by Phonak AG, to avoid any electrical shock.

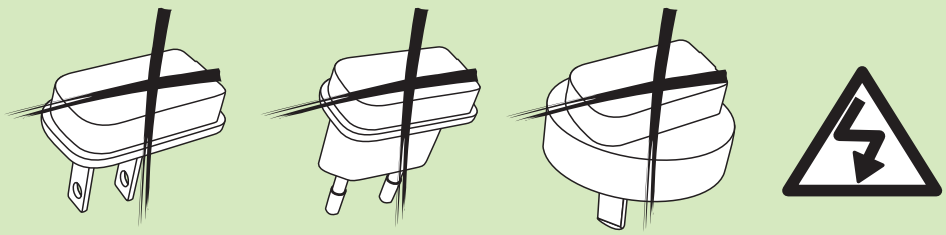
⚠ Using the device, its connectors or cables in any way contradictory to their intended purpose as described in this user guide (e.g. wearing the USB cable around the neck) can cause injury.

⚠ When operating machinery, ensure that no parts get caught in the machine.

12. Important safety information

⚠ The mini-USB port is to be used for the described purpose only.

⚠ For safety reasons, only use chargers supplied by Phonak or stabilized chargers with a rating of 5VDC, min. 500 mA.



⚠ Caution: electric shock. Do not insert plug alone into electrical outlets.

⚠ Do not use the device in explosive areas (mines or industrial areas with danger of explosions, oxygen rich environments or areas where flammable anesthetics are handled) or where electronic equipment is prohibited.

Information on product safety

ⓘ Protect the device from excessive moisture (bathing, swimming), heat (radiator, car dashboard) or direct skin contact when sweating.

ⓘ Do not drop the device. Dropping it onto a hard surface can damage the device.

ⓘ Do not disconnect the neckloop while the device is transmitting signals to the hearing aids.

ⓘ Protect the device connectors, plugs, charging slot and power supply from dirt and debris.
Clean the device using a damp cloth. Never use household cleaning products (washing powder, soap, etc.) or alcohol to clean the device. Never use a microwave or other heating devices to dry the device.

12. Important safety information

ⓘ The digitally-coded, inductive transmission technology used in the device is highly reliable and experiences virtually no interference from other devices. It should be noted, however, that when operating the hearing system near computer equipment, larger electronic installation or other strong electromagnetic fields, it may be necessary to be at least 60 cm (24") away from the interfering device to ensure proper operation.

ⓘ Keep the device of at least 10 cm away from any kind of magnets.

ⓘ Do not connect an USB cable exceeding 3 meters (9 feet) in length to the device.

ⓘ When the device is not in use, turn it off, keep the neckloop closed and store it safely.

Other important information

ⓘ If you use several devices in the same building, be aware that their inductive field can disturb one another if within a range of 2 meters (6 feet). This may even occur when used in different rooms.

ⓘ High-powered electronic equipment, larger electronic installations and metallic structures may impair and significantly reduce the operating range.

ⓘ If the hearing aids do not respond to the device because of an unusual field disturbance, move away from the disturbing field.

Notes



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Warrenville, IL 60555

www.phonak-us.com



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