Noahlink·))
Wireless

User Guide
Noahlink Wireless Programming Interface

Welcome

Congratulations on your Noahlink Wireless which will allow you to connect and fit wireless hearing instruments, without the use of an intermediate device, using easy plug-and-play functionality. Carefully read this user guide to fully benefit from the Noahlink Wireless.

Ask your local hearing instrument manufacturer if you have any questions.

⚠ Only use Noahlink Wireless with wireless-enabled hearing instruments. Noahlink Wireless can co-exist with other hearing instrument programming interfaces (e.g. Hi-PRO, NOAHlink) on the same PC.

For your safety, carefully read the chapter Important Information.

Statement:

This device complies with Part 15 of the FFC and IC rules. 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.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC and ICES-003 of the IC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications can void the user's authority to operate the equipment.

FCC ID: 2AH4DCPD-1

Intended use

Noahlink Wireless is intended to enable a hearing instrument fitter to wirelessly adjust the settings of wireless hearing instruments. The primary function of the Noahlink Wireless programming interface is to transfer information signals between a PC installed with fitting software and wireless hearing instruments.

List of countries (EU only)

Products are intended for sale in countries within European Economic Area as well as Switzerland.

In EU: Noahlink Wireless is a Class II communications device, and conforms to the essential requirements and other relevant provisions of Directive 1999/5/EC (R&TTE). The declaration of conformity may be consulted at www.himsa.com.

In US: FCC CFR 47 Part 15, subpart C.

Other identified applicable international regulatory requirements in countries outside EU and US: Please refer to local country requirements for these areas.

Model: CPD-1

IC: 21381-CPD1

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

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).

Contents

Description

1 Right side light indicator

2 Left side light indicator

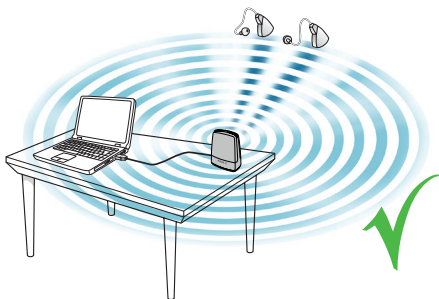3 USB port for power and communication with the fitting software
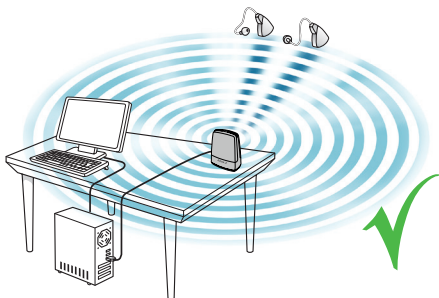
Getting started - Installation

Note: To ensure the best possible operation of the Noahlink Wireless always make sure it is placed out in the open with a clear line-of-sight between the Noahlink Wireless and the hearing instruments to be fitted.

Noahlink Wireless is a USB plug-and-play programming interface enabling you to wirelessly fit hearing Instruments from licensed manufacturers. For a complete list of hearing instrument manufacturers who use Noahlink Wireless, visit www.himsa.com.

1. Before you connect Noahlink Wireless make sure that you have the approriate fitting software installed. The Noahlink Wireless driver is installed during fitting software installation.

2. After successful fitting software installation attach Noahlink Wireless to any USB port on the PC using the supplied USB cable. A 2-3 second solid green light indication will confirm that Noahlink Wireless is powered.
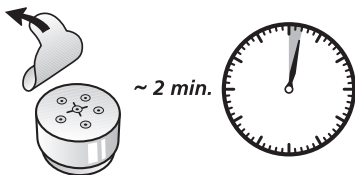
3. Performing a wireless fitting can sometimes be challenged due to number of factors related to equipment setup, and the physical layout of the fitting environment.

   - Place Noahlink Wireless on the table with a clear line-of-sight to the hearing instruments, which should be within a range of 10 feet (3 metres).

   - Avoid placing the Noahlink Wireless in a USB hub with other USB devices (e.g. Bluetooth dongle), as this can decrease the efficiency of the Noahlink Wireless.

   - When fitting hearing instruments inside a sound booth place the Noahlink Wireless inside or close to the booth.

   - It is recommended not to use USB cables between the Noahlink Wireless and the PC exceeding a length of 10 feet (3 metres).

4. You are now ready to start fitting wireless hearing instruments.

Tips for optimal wireless fitting

Let the battery breathe/oxygenize before inserting
When performing a wireless fitting, always use new batteries. The most common type of hearing instrument batteries are zinc-air. These types of batteries are activated by the oxygen in the air. By removing the small sticker from the battery, oxygen activates the battery. Because oxygen must pass through fine holes and a filter, the oxygen is absorbed slowly.

Therefore, it is important to wait 2 full minutes after removing the battery sticker and before inserting the battery and closing the battery door on the hearing instrument. If inserted prematurely, the battery may not absorb enough oxygen to properly power the hearing instrument.

~ 2 min.

Always open/close the battery door to connect

When connecting the hearing instruments to the fitting software make sure to always bring the hearing instruments into "Fitting mode" by rebooting them. This is done by opening and closing the battery door of the hearing instrument one time.

By doing so it is possible for the fitting software to discover and communicate with the hearing instruments.

Note: If a hearing instrument is accidently put into flight mode where all wireless operation is disabled, just open and close the battery door again. After 10 seconds wireless operation is resumed. Keep the battery door closed for an additional 15 seconds after wireless operation has been resumed before opening and closing the battery door again. Opening and closing the battery door within 15 seconds will put the hearing instrument into flight mode again.

For more information about Flight Mode please refer to the relevant wireless hearing instrument user guide.

After having completed the fitting make sure to open and close the battery door to reboot the instruments saving all settings.
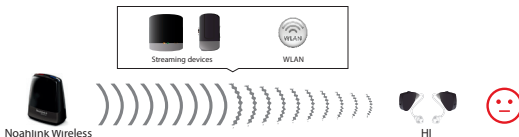
Optimize the wireless fitting environment
Even if all of the previous mentioned tips are followed, the stability of the fitting connections may be impacted by interference from other wireless sources in the environment. Interference may cause data transfer issues, slow connectivity or loss of connections to the hearing instruments entirely.

Interference in the wireless fitting environment should, therefore, be minimized or avoided if possible by following the guidelines below:

• Minimize number of interfering wireless sources. Wireless activity from sources like WLAN, mobile phones and streamers should be minimized as much as possible. Even though the wireless protocol technology supports three audio streaming devices it is recommended to have no more than one stream-

ing device (e.g. TV streamer) active while performing wireless fitting.

- Keep interfering wireless sources away from the fitting area. If interfering devices such as WLAN and streamers cannot be turned off during wireless fitting it is recommended to place these devices a minimum of 6 feet (2 meters) away from the hearing instruments and the Noahlink Wireless, ensuring that they are not between the Noahlink Wireless and the hearing instruments.

Compatibility

Noahlink Wireless supports the following operating systems: Windows Vista, Windows 7, Windows 8 and Windows 10.

Light indicators (LED)

The Light indicators at the top of the Noahlink Wireless serve as a multipurpose user interface, providing connectivity status and activity of the programming interface.

LED Blinks

*Test Mode - Running the test mode the system checks if it can see the Noahlink Wireless by asking for the version number.

Meaning
Start Up. Noahlink Wireless attached to PC USB port
Fitting software launched and connected to Noahlink Wireless
Hearing instrument(s) connected to Noahlink Wireless
Data being transferred between instruments and fitting software
Hearing instruments disconnected
Running Noahlink Wireless Test Mode*

Important information 🛈

Maintenance and care

- Cleaning the Noahlink Wireless is usually not necessary. If needed, use a soft, dry cloth.

- If service is required please return the Noahlink Wireless to your local sales representative or manufacturer. Do not attempt to open the device. There are no user-serviceable parts inside.

General warnings ⚠

- Keep this device out of reach of children under 3 years of age.

- Noahlink Wireless uses low-powered digitally-coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In that case, move Noahlink Wireless away from the affected electronic device.

- If Noahlink Wireless is affected by electromagnetic interference, move the Noahlink Wireless away from the source of interference.

- Noahlink Wireless must not be used for any other purpose than for hearing instrument fitting.

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General precautions ⚠️

- Your hearing instrument and this device are given a unique communication network code during the fitting. This ensures that the device will not affect hearing instruments worn by others.

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

- Do not make any changes or modifications to this device.

- Do not use Noahlink Wireless in areas where RF transmission is prohibited, e.g. airplanes.

- Only connect Noahlink Wireless to connections for which it is explicitly intended.

Technical specifications

Operating range:	10 feet (3 meters)
Power supply:	Powered by the USB port of a PC
Wireless:	2.4 GHz
Operating temperature:	0 to 55 C
Storage temperature:	-20 to 60 C

Temperature test, transport and storage information

The product is subjected to various tests in temperature and damp heating cycling between -25 C and +70 C according to internal and industry standards.

Warranty

The Noahlink Wireless programming interface is covered by a limited warranty issued by the manufacturer for a period of 12 months from the date of original purchase. Please notice that extended warranties may apply in your country. Please contact your local hearing instrument manufacture. Be aware of information marked with the warning symbol.

WARNING points out a situation that could lead to serious injuries.

CAUTION indicates a situation that could lead to minor and moderate injuries.

Advice and tips on how to handle your device better.

Equipment includes RF transmitter

Product is a Type B applied part

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE
Noahlink Wireless not found	No Noahlink Wireless inserted in the PC's USB port.
No Connection	The USB port(s) in your PC have no power.
	No Noahlink Wireless attached to the PC's USB port.
	Obstacles between the Noahlink Wireless and the hearing instruments block the wireless signal.
	The Noahlink Wireless is placed too far away from the hearing instruments.
	Hearing instrument low battery.

POSSIBLE REMEDY

Insert Noahlink Wireless activating a 2-3 second solid green light confirming that Noahlink Wireless is powered. Launch the fitting software if not already launched.

Not a Noahlink Wireless issue. PC service is required.

Insert Noahlink Wireless activating a 2-3 second solid green light confirming that Noahlink Wireless is powered. Launch the fitting software if not already launched.

Place Noahlink Wireless in line-of-sight of the hearing instruments.

Move Noahlink Wireless closer to the hearing instruments.

Always use fresh zinc-air batteries, which have not expired. Remove the sticker from the battery and let the battery breathe for 2 minutes before inserting and starting up the fitting.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE
Unstable/ Lost Connection	Obstacles between the Noahlink Wireless and the hearing instruments block the wireless signal.
	The Noahlink Wireless is placed too far away from the hearing instruments.
	A 2.4 GHz cordless telephone, a WLAN access point or another wireless device is powered or in use near to the fitting station doing wireless fitting with Noahlink Wireless.
	Noahlink Wireless is sharing power source with one or more USB harddisks, resulting in Noahlink Wireless not having the required power available.

POSSIBLE REMEDY

Place the Noahlink Wireless in line-of-sight of the hearing instruments.

Move the Noahlink Wireless closer to the hearing instruments.

Minimize the number of interfering wireless sources or move them away from the fitting area.
Use a phone that is not 2.4 GHz.

Remove the USB harddisk or use a powered USB hub to insure the required power. Lack of power is only an issue with USB harddisks which are very power-consuming.

Notes:

Notes:

Please ask your local hearing care professional
concerning disposal of your accessory

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Any issues relating to Class II communication devices and the
R&TTE Directive 1999/5/EEC should be directed to HIMSA II K/S,
Lyngbyvej 28, 1.th., DK-2100 Copenhagen Ø, Denmark

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