Noahlink
Wireless

Noahlink Wireless User Guide



Version 2710-001000 (R05)

Contents

1 INTENDED USE 3

2 SAFETY & COMPLIANCE 4

2.1 COMPLIANCE 4
2.2 TECHNICAL SPECIFICATIONS 4
2.2.1 Temperature test, transport and storage information 4
2.3 GENERAL WARNINGS 5
2.4 GENERAL PRECAUTIONS 5
2.5 MAINTENANCE & CARE 5
2.6 WARRANTY 6

3 DESCRIPTION 7

4 GETTING STARTED - INSTALLATION 8

5 TIPS FOR OPTIMAL WIRELESS FITTING 10

5.1 LET THE BATTERY BREATHE/OXYGENIZE BEFORE INSERTING 10
5.2 ENTERING FITTING MODE 10
5.3 OPTIMIZE THE WIRELESS FITTING ENVIRONMENT 11

6 COMPATIBILITY 13

7 LIGHT INDICATORS (LED) 14

8 TROUBLESHOOTING GUIDE 15

9 LIST OF COUNTRIES 17

1 Intended Use

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.

Warning: Do not attempt to use Noahlink Wireless together with fitting software not specifically supporting the device. Noahlink Wireless can co-exist with other hearing instrument programming interfaces (e.g. Hi-PRO, NOAHlink) on the same PC.

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.

For your safety, carefully read the chapter Safety & Compliance.

2 Safety & Compliance

2.1 Compliance

This device complies with Part 15 of the FCC 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.

2.2 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

2.2.1 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.

2.3 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.

2.4 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.

2.5 Maintenance & 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.

2.6 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.



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

Any issues relating to RED 2014/53/EU or R&TTE Directive 1999/5/EEC should be directed to HIMSA II K/S, Lyngbyvej 28, 1.th., DK-2100 Copenhagen Ø, Denmark.

Noahlink Wireless is produced in China.

3 Description

1 - Right side light indicator.

2 - Left side light indicator.

3 - USB port for power and communication with the fitting software.



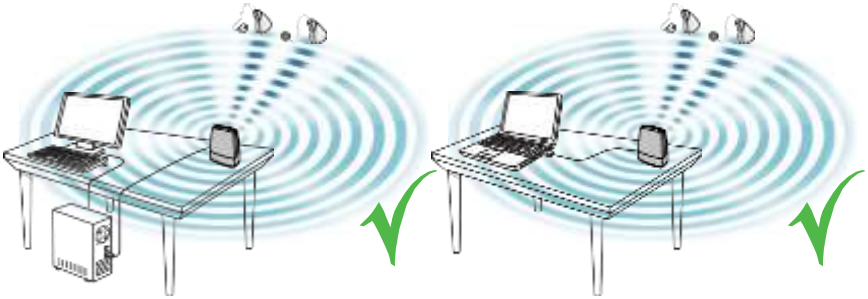
4 Getting Started - Installation

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).

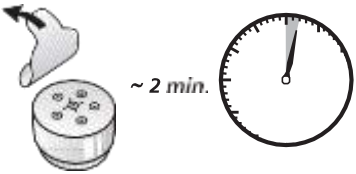
4. You are now ready to start fitting wireless hearing instruments.

5 Tips For Optimal Wireless Fitting

5.1 Let the battery breathe/oxygenize before inserting

When performing a wireless fitting, always use new batteries or newly recharged hearing instruments. 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.



5.2 Entering fitting mode

When connecting the hearing instruments to the fitting software make sure to always bring the hearing instruments into “Fitting mode” by rebooting them. For hearing instruments with removable battery this is done by opening and closing the battery door of the hearing instrument one time. For rechargable hearing instruments removins the instrument from the charging cradle will bring it into fitting mode.

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.





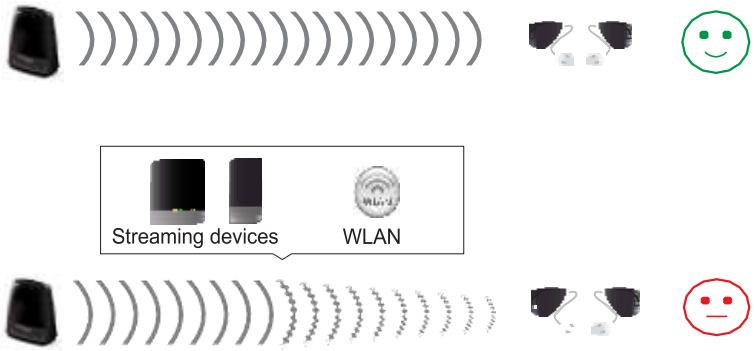
5.3 Optimize the wireless fitting environment

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 streaming 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.



6 Compatibility

Please refer to the HIMSA website at www.himsa.com for the latest Noahlink Wireless compatibility requirements.

7 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	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*

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

8 Troubleshooting Guide

Symptom	Cause	Possible Remedy
Noahlink Wireless not found	No Noahlink Wireless inserted in the PC's USB port.	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.
No Connection	The USB port(s) in your PC have no power.	Not a Noahlink Wireless issue. PC service is required.
	No Noahlink Wireless attached to the PC's USB port.	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.
	Obstacles between the Noahlink Wireless and the hearing instruments block the wireless signal.	Place Noahlink Wireless in line-of-sight of the hearing instruments.
	The Noahlink Wireless is placed too far away from the hearing instruments.	Move Noahlink Wireless closer to the hearing instruments.
	Hearing instrument low battery.	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.

Symptom	Cause	Possible Remedy
Unstable/Lost Connection	Obstacles between the Noahlink Wireless and the hearing instruments block the wireless signal.	Place the Noahlink Wireless in line-of-sight of the hearing instruments.
	The Noahlink Wireless is placed too far away from the hearing instruments.	Move the Noahlink Wireless closer to 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.	Minimize the number of interfering wireless sources or move them away from the fitting area. Use a phone that is not 2.4 GHz.
	Noahlink Wireless is sharing power source with one or more USB harddisks, resulting in Noahlink Wireless not having the required power available.	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.

9 List of Countries

List of countries for which the device is intended for sale to hearing care professionals:

Note: For countries not listed below please refer to local country requirements. An updated list of country approvals can be found at www.himsa.com.

European Union – EEA countries and Switzerland
The device conforms to the Essential Requirements according to the essential requirements and other relevant provisions of Directive 1999/5/ EC (R&TTE) and the Radio Equipment Directive 2014/53/EU (RED). The declaration of conformity may be consulted at www.himsa.com.

North America	
USA	The device is certified as a Digital Transmission system pursuant to FCC Part 15, subpart B and C. FCC identifier : 2AH4DCPD-1
Canada	Cet appareil numérique de la classe A est conforme à la norme RSS-247 du Canada. Identifier : IC: 381-CPD1
Mexico	Certified to the NYCE scheme. Certificate identifier: RCPNOCP16-1242

EAEU Countries	
Russia, Kazakhstan, Belarus, Armenia, Kyrgyzstan	Certified to the FSB Scheme. Identifier: RU0000031815 Certified to the EEC Scheme. Identifier : EAEC N RU Д-DK.эМ03.B.00089

EAEU Countries	
Albania	Devices certified for use in the EU can be applied.
Azerbaijan	Certified to the MoCIT Az scheme. Certificate identifier: AZ 031.13.02.05163.17
Bosnia	Devices certified for use in the EU can be applied.
Georgia	Devices certified for use in the EU can be applied.
Kosovo	Devices certified for use in the EU can be applied.
Moldova	Certified to the NRFC scheme Certificate ID: MD OC TIP 024 A5929-17
Macedonia	Devices certified for use in the EU can be applied.
Russian Federation	Certified to the ROSKOMNADZOR scheme. Certificate identifier: 77-17/0798/4144 Certified to the ROSSVYAZ Scheme. Identifier: Д-МДРД-4845.
Serbia	Certified to the MTT scheme. Certificate identifier: P1617135000
Ukraine	Certified to the NKRZI scheme. Certificate identifier UA.109.DR.0218-17 Certified to the CAB scheme. Certificate identifier UA.TR.109.0218-17 Certified to the DSSU scheme. UA.TR.109

Asia	
Bangladesh	The device can be applied. No type approval procedure is available for this country.
China	Certified to the SRRC scheme. Identifier: CMIT ID: 2016DJ4583
Hong Kong	An exception letter has been obtained indicating no type approval is needed. Certificate identifier: HK003 17 00033
India	Certified to the WPC scheme. Certificate identifier ETA-109/2017-RLO(SR)

Asia	
Indonesia	Certified to the SDPPI scheme. Certificate identifier 47161/SDPPI/2016
Japan	This device is certified as a “Low power data communication device in the 2,4 GHz band pursuant to the Japanese Radio Law 131,1950 (電波法) Certificate number: JN0588 i01 Mark Number: 203-JN0588
Malaysia	Certified to the MCMC scheme. Certificate identifier: RAHY/75K/1016/S(16-3303)  CDIF 16000222
Pakistan	Certified to the PTA scheme. Certificate identifier: No.9.499/2012/PTA
Philippines	Certified to the NTC scheme. Certificate identifier: ESD-1715400C
Singapore	Certified to the IMDA scheme. **Complies with IMDA Standards N3421-16**
South Korea	Certified to the MSIP scheme. Certification identifier: MSIP-CMM-NLW-CPD-1
Taiwan	Certified to the NCC scheme. Certification identifier:  CCAH16LP2160T0
Thailand	Certified to the NBTC scheme. Certificate identifier: RT 1765
Vietnam	The device can be applied. An exception letter has been obtained indicating no type approval is needed. Exemption letter identifier: 128/cvt-TT3

Middle East	
Bahrain	Certified to the DWLFM scheme. Certificate identifier: 3249
Iraq	Certified to the CMC scheme. Certificate identifier: CMC TA 170052
Israel	Certified to the MoC scheme. Certificate identifier: 51-60666 תנאים מיוחדים והערות משרד: 10.1 המפרש יחתום על גוף המכשיר ועל חותמת נוספת על האריזה החיצונית עם הפריטים הבאים: אישור אלחוטי חתום על ידי משרד התקשורת51-66606. ב. אין להחליף את האנטנה המקורית של התקן זה, ולא יבצע כל שינוי טכני. 10.2 שירות צד ג 'דורש רישיון נפרד של צוות ההנדסה במשרד.
Jordan	Certified to the TRC scheme. Certificate identifier: TRC/SS/2017/300
Kuwait	Certified to the CITRA scheme. Certificate identifier 2054
Lebanon	Certified to the MoT scheme. Certificate identifier 11266/E&M/2017
Oman	Certified to the TRA scheme. Oman - TRA Dealer No. D090013 Certificate number TRA/TA-R/4728/17
Palestine	Certified to the MTIT scheme.  Certification no. 2017/36
Qatar	Certified to the CRA scheme. Certificate identifier: CRA/SA/2017/R-6541
Saudi Arabia	Certified to the CITC scheme. Certificate identifier: TA 16082017-16082019-20984
United Arab Emirates	Certified to the TRA scheme. Registered No.: IBL-2017-10-69183 Dealer No: DA69354/17 Certificate ID: ER58771/17

Central & South America	
Argentina	Certified to the ENACOM scheme. Certification identifier: CNC ID: C-17950 CNC COMISIÓN NACIONAL DE COMUNICACIONES
Bolivia	Certified to the ATT scheme. Certificate identifier: ATT-DJ-RA-II-TL LP 304/2017
Brazil	Certified to the ANATEL scheme: ANATEL Identifier: 05314-16-10089
Chile	Certified to the SUBTEL scheme. Certificate identifier ORD Nº 10875/ DO Nº 40978/F26
Colombia	Certified to the CRC scheme. Certificate identifier 2017811206
Costa Rica	Certified to the SUTEL scheme. Certificate identifier 06402-SUTEL-DGC-2017
Dominican Republic	Certified to the INDOTEL scheme. Certificate identifier DE-0003445-17
Equador	Certified to the ARCOTEL scheme. Certificate identifier NRH-2017-000025
Guatemala	Certified to the SIT scheme. Certificate identifier: SIT-DH-121-2017
Panama	Certified to the ASEP scheme. Certificate identifier: 2126
Paraguay	Certified to the CONATEL scheme. Certificate identifier: 2017-09-I-0000301
Peru	Certified to the MTC scheme. Certificate identifier TRSS39768
Uruguay	Certified to the URSEC scheme. Certificate identifier VU2017-002307

Africa	
Algeria	Certified to the ARPT scheme. Certificate identifier 1117/IR/AGR/PC/ARPT/2017
Morocco	Certified to the ANTR scheme. Certificate identifier: MR 14846 ANRT 2017
South Africa	Certified to the ICASA scheme. **TA xxxx.yyyy** **Approved**
Tunisia	Certified to the CERT scheme. Certificate identifier AHO-1152-17

South Pacific	
Australia	Certified to the ACMA scheme. Declaration of conformity with the relevant ACMA Standards made under the Radiocommunications Act 1992 and the Telecommunications Act 1997 has been obtained September 27, 2016.
New Zealand	Certified to the RSM scheme. Declaration of conformity with AS/NZS 4268: 2012 + A1:2013 (EN 300 328 1.9.1 / FCC part 15.247) has been obtained September 27, 2016.

Noahlink
Wireless

HIMSA II K/S
Lyngbyvej 28, 1.th.
DK-2100 Copenhagen Ø, Denmark Tel.: +45 39 16 22 00
Fax: +45 39 16 22 16

HIMSA