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Starkey BKLT0209 SurfLink Wireless Programmer User Manual

Starkey BKLT0209 SurfLink Wireless

Programmer User Manual

SURFLINK

PROGRAMMER

OPERATIONS MANUAL

This document contains instructions for connecting SurfLink Programmer into your laptop or desktop PC via a USB connection. SurfLink Programmer requires the latest available Inspire X software to be installed.

Contents

Description

SurfLink Programmer is a USB hearing aid programmer functioning as the interface between wireless hearing aids and computer fitting software. It consists of a USB cable and SurfLink Programmer.

Physical and Performance Characteristics:

- Indicator lights for power and data transfer activity
- SurfLink Programmer to PC connection on USB is capable of up to 480 Mbps (USB 0 high speed)

Installation

1. Confirm that Inspire X 2011 or higher is (SurfLink Programmer is not supported on earlier versions of Inspire X fitting software.)
2. Plug the square end of the USB cable into the back of SurfLink Programmer making sure it is inserted
3. Insert the rectangular end of the USB cable into an open USB port on your
4. Follow the on-screen prompts in the "Add New Hardware Wizard" SurfLink Programmer is designed to be "plug and play" and does not require a CD or a restart of the PC.
5. Locate SurfLink Programmer at least 5 feet/1.5 meters from the

Operation

Once installed, SurfLink Programmer is ready to use. To use:

1. Verify SurfLink Programmer is connected to the PC
2. Launch Inspire X 2011 or higher
3. Search for SurfLink Programmer (if needed)

Safety Precautions

Please read the following safety precautions before using SurfLink Programmer for the first time.

Markings and Symbols

The following markings and symbols are used in these safety precautions and/or on the device label.

	Power from USB port
	Data transfer indicator

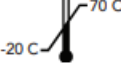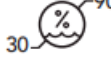## Regulatory and Service Information

Classification

- Classification to the Medical Device Regulation: Class
- Classification to IEC 60601-1 Class II Continuous
- Any associated computer used with SurfLink Programmer must be an IEC 60950-1 or IEC 62368-1 approved computer.
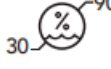
Power Supply

- Operating Voltage: 5.0 vDC supplied from the USB port of an IEC 60950 or IEC 62368-1 approved

Important Safety and Usage Information

Storage and Shipping Conditions:
- Temperature: -20 to 70° C, -4 to 158° F
- Humidity: 30 – 90%
- No condensation

Operating Conditions:
- Temperature: 15 - 35° C, 59 - 95° F
- Humidity: 30 – 90%
- No condensation

Avoid using SurfLink Programmer in areas subject to the following conditions:

- Extreme heat or cold
- Static electricity
- Large amounts of dust
- Rough handling

Rough handling or dropping SurfLink Programmer can cause damage. If you think you may have damaged SurfLink Programmer, or if SurfLink Programmer is suffering an obvious malfunction, immediately unplug it from your computer and contact your authorized dealer to request servicing.

DO NOT continue to use a damaged SurfLink Programmer.
DO NOT place heavy objects on top of SurfLink Programmer.

Never insert foreign objects into the connections. Avoid spilling liquid on SurfLink Programmer.

The exterior of SurfLink Programmer may be wiped with a damp cloth or sterile hand wipe. Never use paint thinner, benzene, cosmetics, or other volatile agents to clean the exterior of SurfLink Programmer.

Never try to take apart or modify SurfLink Programmer. Doing so creates the danger of fire and electrical shock, as well as SurfLink Programmer malfunction. There are no user-serviceable parts inside SurfLink Programmer. All services must

be performed by the authorized dealer. SurfLink Programmer should not be used on aircraft unless specifically permitted by the flight personnel.

We are required by regulations to provide the following warnings:

⚠️**WARNING:** Use of the SurfLink Programmer directly next to other electronic equipment should be avoided because it could result in improper performance. If such use is necessary, note as to whether your hearing aids and the other equipment are operating normally.

⚠️**WARNING:** Use of accessories, components or replacement parts other than those provided by the manufacturer of SurfLink Programmer could result in increased electromagnetic emissions and decreased electromagnetic immunity and could result in degradation of performance.

⚠️**WARNING:** If Portable Radio Frequency communications equipment is used closer than 30 cm (12 inches) from the SurfLink Programmer, degradation of the performance of your hearing aid could result. If this occurs, move away from the communications equipment.

Any serious incident that has occurred in relation to your Starkey device should be reported to your local Starkey representative and the Competent Authority of the Member State in which you are established. A serious incident is defined as any malfunction, deterioration in the characteristics and/or performance of the device, or inadequacy in the device Operations Manual/ labelling which could lead to the death or serious deterioration in the state of health of the user, OR could do so upon recurrence.

Regulatory Notices

INTENDED USE

SurfLink Programmer is an accessory to a wireless hearing instrument. It is intended to function as the interface between wireless hearing aids and computer fitting software.

Original SurfLink Programmer
FCC ID: EOA-WP
IC: 6903A-WP
Model A00

FCC ID: EOA-WPA IC: 6903A-WPA

FCC/IC NOTICE
This device complies with part 15 of the FCC rules and with Industry, Science, and Economic Development Canada's license-exempt RSS standard(s). 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 of the device.

Users are cautioned that a 20 cm (8 inch) minimum separation distance must be maintained from the device to insure compliance with FCC and ISED Canada RF exposure requirements.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Hereby, Starkey declares that SurfLink Programmer is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the Declaration of Conformity can be obtained from the addresses on page 14 and from docs.starkeyhearingtechnologies.com

Transmitter/Receiver RF Information

In Europe, the SurfLink Programmer operates in the 863-865 MHz band, with a 300 kHz necessary transmit bandwidth and a 500 kHz receive bandwidth, using GFSK FM modulation with an effective radiated power of 7 dBm.

In North America, the SurfLink Programmer operates in the 902-928 MHz band, with a 508 kHz necessary transmit bandwidth and a 500 kHz receive bandwidth, using GFSK FM modulation with an effective radiated power of 7 dBm.

SurfLink Programmer has been tested to, and has passed, the following emissions and immunity tests:

- IEC 60601-1-2 radiated and conducted emissions requirements for a Group 1 Class B device as stated in CISPR
- Harmonic distortion and voltage fluctuations affecting the power input source as stated in Table 2 of IEC 60601-1-2.
- RF radiated immunity at a field level of 10 V/m between 80 MHz and 2.7 GHz as well as higher field levels from communications devices as stated in Table 9 of IEC 60601-1-2.
- Immunity to power frequency magnetic fields at a field level of 30 A/m.
- Immunity to proximity magnetic fields as stated in Table 11 of IEC 60601-1-2.
- Immunity to ESD levels of +/- 8 kV conducted discharge and +/- 15 kV air
- Immunity to electrical fast transients on the power input at a level of +/- 2 kV at a 100 Hz repetition
- Immunity to surges on the power input of +/- 1 kV line to
- Immunity to conducted disturbances induced by RF fields on the power input as stated in Table 6 of IEC 60601-1-2.
- Immunity to voltage dips and interruptions on the power input as stated in Table 6 of IEC 60601-1-2.

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[EC|REP]

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INSTRUCTIONS FOR DISPOSAL OF OLD ELECTRONICS

Starkey encourages, the EU requires, and local community laws may require, that your SurfLink Programmer be disposed of via your local electronics recycling/disposal process.

The below instructions are provided for the benefit of disposal/recycling personnel. Please include this manual with your device when disposing of your SurfLink programmer.

Symbol	Symbol Meaning	Applicable Standard	Symbol Number
	Manufacturer	BS EN ISO 15223-1:2016	5.1.1
EC REP	Authorized representative in the European Community	BS EN ISO 15223-1:2016	5.1.2
	Date of Manufacture	BS EN ISO 15223-1:2016	5.1.3
REF	Catalogue Number	BS EN ISO 15223-1:2016	5.1.6
MD	Medical Device	ISO/DIS 15223-1:2020(E) DRAFT	5.7.7
	Keep Dry	BS EN ISO 15223-1:2016	5.3.4
	Temperature Limit	BS EN ISO 15223-1:2016	5.3.7
	Humidity Limitation	BS EN ISO 15223-1:2016	5.3.8
	Caution	BS EN ISO 15223-1:2016	5.4.4
	General warning sign	EC 60601-1, Reference no. Table D.2, Safety sign 2	ISO 7010-W001

	Refer to instruction manual/booklet	EC 60601-1, Reference no. Table D.2, Safety sign 10	ISO 7010-M002
	Collect Separately	DIRECTIVE 2012/19/EU (WEEE)	Annex IX
	Class II equipment	IEC 60417 Reference no. Table D.1	Symbol 9 (IEC 60417- 5172)
	Regulatory Compliance Mark (RCM)	AS/NZS 4417.1:2012	N/A
	Non-ionizing electromagnetic radiation	IEC 60417	7000-5140
	Direct current	IEC 60601-1 REFERENCE NO. TABLE D.1,	IEC 60417-5031
	Recycling Symbol	European Parliament and Council Directive 94/62/EC	Annex I-VII

Documents / Resources

SURFLINK PROGRAMMER OPERATIONS MANUAL	**Starkey BKLT0209 SurfLink Wireless Programmer** [pdf] User Manual WPA, EOA-WPA, EOAWPA, BKLT0209 SurfLink Wireless Programmer, SurfLink Wireless Programmer

References

- 🌐 **Declarations of Conformity**