

AudioLink XT

User Manual



hearLIFE

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1. Introduction

This user manual provides information and instructions for the MED-EL AudioLink XT. It contains important information on handling and operating the device.

AudioLink XT can only be used with compatible MED-EL audio processors or other compatible devices. Read the user manual of your audio processor or device carefully before reading this manual.

You are the operator of AudioLink XT, therefore you should read the entire manual. Do not perform any maintenance activities other than those described in this manual (e.g., changing the battery).

Not all products in this document are currently approved or available in all countries. Contact your audiologist/healthcare professional or local MED-EL representative for information on current product availability in your country or with any other questions you may have.

The following symbols are used throughout this document:



Information indicating a hazardous situation that, if not avoided, could result in death or serious injury.



Information indicating a hazardous situation that, if not avoided, could result in minor injury or inconvenience for the user and/or property damage.



Information particularly relevant for parents, guardians, or caregivers of users.

2. Intended Use

AudioLink XT is an optional, external product which can be used with the MED-EL System.

AudioLink XT is intended to be used as a wireless audio streaming input for compatible MED-EL audio processors, compatible MED-EL products, and compatible hearing aids based on *Bluetooth*^{®1} Low Energy ASHA (Audio Streaming for Hearing Aids).

AudioLink XT is intended to be used in a unilateral or bilateral setup.

AudioLink XT is intended to be used to wirelessly stream audio signals from an analog audio source like a TV to compatible MED-EL audio processors, compatible MED-EL products, and/or compatible hearing aids.

AudioLink XT is intended to be used as a wireless remote microphone.

AudioLink XT is intended to be used to wirelessly stream audio signals received by an integrated telecoil to MED-EL audio processors, compatible MED-EL products, and/or compatible hearing aids.

2.1 Indications

AudioLink XT is an optional, external product which is indicated to be used by recipients who have received a compatible MED-EL audio processor, or who are using a compatible MED-EL product, and/or a compatible hearing aid. Additionally, AudioLink XT can be used by caretakers and professionals.

AudioLink XT is indicated to be used every day during a recipient's waking hours in typical everyday environments (home, office, outdoor, etc.) but also in a clinical setup (e.g., as streaming device in an audiologist's office).

The user of AudioLink XT does not need any special skills or elevated level of education, however, for small children and those who, for a variety of reasons, lack the ability to appropriately handle and manipulate small parts, the parents and/or caregiver shall operate the product.

2.2 Contraindications

A recipient must not receive an AudioLink XT if the individual is known to be intolerant of the materials used in AudioLink XT.

AudioLink XT is not intended to be used in environments where RF transmissions are prohibited.

¹ The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by MED-EL is under license.

3. Warnings and Precautions

Carefully read the following section. Contact your audiologist/healthcare professional or local MED-EL representative with any questions you may have.

AudioLink XT contains sophisticated electronic components that require special precautions regarding electromagnetic compatibility (EMC). When activating AudioLink XT, always follow the guidelines outlined in this section and section Technical Data, Guidance, and Manufacturer's Declaration.

3.1 Warnings

- Instruct children and persons under care not to swallow or put any components of AudioLink XT into their mouths or to play with any components. Swallowing of components could cause suffocation or internal injury.
- If it is suspected that a battery has been swallowed or placed inside any part of the body, seek medical attention immediately.
- If you connect an external audio device to AudioLink XT that is powered by mains power, i.e., plugged into the wall or a power strip, always make sure that this mains-powered external audio device conforms to relevant international safety standards.
- If the mains-powered device does not bear a CE marking, you cannot presume that the mains-powered device meets the above-mentioned safety requirements. The CE marking is usually found on the device's type label. Do not connect a mains-powered device without CE marking to AudioLink XT. Connecting a mains-powered device to AudioLink XT that does not meet the above safety requirements could cause an electric shock or even lead to death. You can safely connect battery-powered external audio devices to the AudioLink XT. You may need special cables (e.g., for connection to FM systems). For more information contact MED-EL.

3.2 Precautions

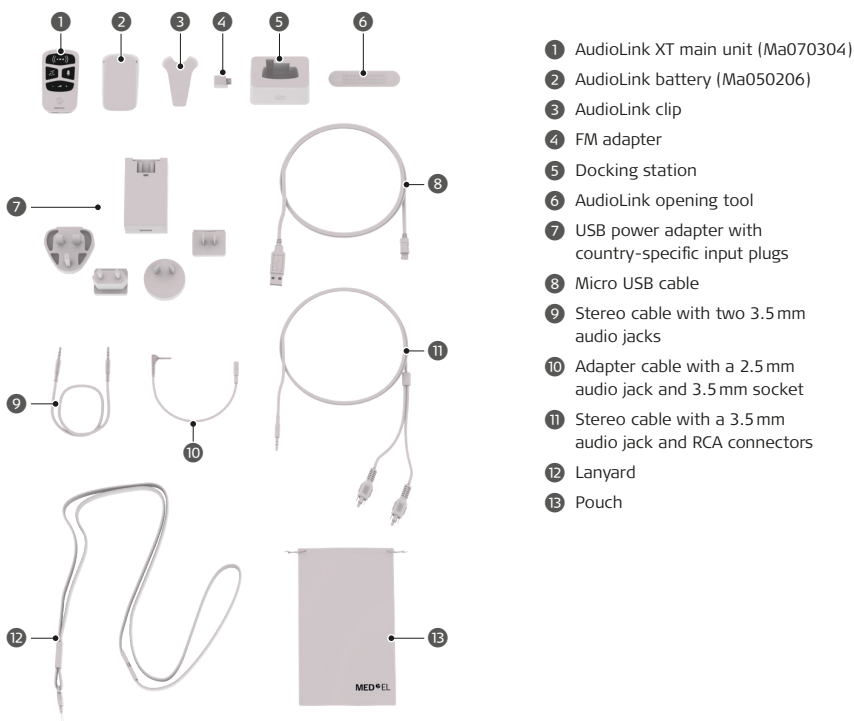
- The electronics are durable but must be treated with care.
- Always handle AudioLink XT with care to achieve maximum lifetime and to avoid any risks.
- Do not open or alter any AudioLink XT component if it is not described in this manual (e.g., changing the battery). Opening or altering components can lead to injuries and damage the device.
- Do not use AudioLink XT under environmental conditions other than those described in the chapter Technical Data.
- The defined operating temperature range is between 0°C and +40°C for AudioLink XT.
- Avoid excessive heat. Excessive heat might damage AudioLink XT and make it unusable.

- If AudioLink XT has been at a temperature that is outside the defined operating temperature range of 0°C to +40°C, e.g., because it was stored in a cool or hot place, put AudioLink XT in a place with room temperature (typ. +20°C to +25°C) and wait at least 30 minutes before you use AudioLink XT. This ensures that AudioLink XT is not operated outside its defined operating temperature range.
- Do not leave AudioLink XT in direct sunlight (especially inside a car). Long exposure to direct sunlight might damage AudioLink XT.
- Avoid getting AudioLink XT wet as this may impair its function. Keep AudioLink XT in a dry place while bathing, showering, or engaging in other water-related activities.
- Do not use AudioLink XT in the vicinity of strong ionizing radiation (e.g., x-ray machines) or electromagnetic fields (e.g., MRI machines). AudioLink XT is not specified to be used near HF surgical equipment.
- Use of AudioLink XT adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, AudioLink XT and the other equipment should be observed to verify that they are operating normally.
- Do not use accessories, transducers, and cables other than those specified or approved by MED-EL as this could result in increased electromagnetic emissions or decreased electromagnetic immunity of AudioLink XT and result in improper operation. For the same reason, do not use cables with damaged shielding. Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm to any part of AudioLink XT, including cables specified by MED-EL. Otherwise, degradation of the performance of AudioLink XT could result.
- Do not use AudioLink XT in environments where radio frequency (RF) transmissions are prohibited.
- To avoid adverse effects due to electromagnetic interference, do not use AudioLink XT outside the EMC environments specified in section Guidance and Manufacturer's Declaration.

4. Device Description

AudiLink XT is an audio streamer using the Bluetooth Low Energy ASHA protocol. AudiLink XT can be used to watch TV, listen to music, receive audio signals from an attached FM receiver, as a remote telecoil, or as a remote microphone. Signals from AudiLink XT are transmitted to the audio processor(s) in the 2.4GHz frequency band.

AudiLink XT is not necessary for the function of the audio processor(s).



4.1 Compatibility With Other Devices

AudioLink XT can be used with the below-mentioned target devices. Read the user manual of these devices for further information to familiarize yourself with using them together with AudioLink XT.

- SONNET 3 (EAS)
- SONNET (EAS) or SONNET 2 (EAS) in combination with AudioStream²
- RONDO 3 in combination with the AudioStream Adapter²
- AudioKey 3 (or higher)
- Hearing aids from 3rd party manufacturers supporting the Bluetooth Low Energy ASHA protocol^{3,4}

NOTE: For better readability, the term audio processor is used for all target devices listed above. In case a specific target device is referred to, the device name is used in addition (e.g., SONNET 3).

² Does not support all functions of AudioLink XT.

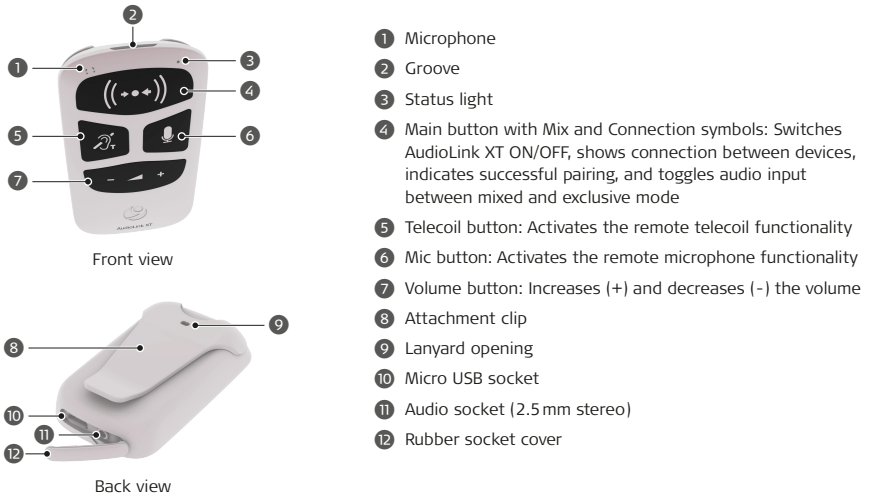
³ Might have a larger streaming delay than the SONNET 3.

⁴ Compatibility cannot be guaranteed and will depend on specific device.

5. Basics and Handling

5.1 AudioLink XT Overview

In its basic configuration, AudioLink XT consists of the AudioLink XT main unit (hereafter referred to as main unit) and the AudioLink battery (hereafter referred to as battery).



5.2 Assembling AudioLink XT

AudioLink is delivered disassembled.



WARNING

Do not use the lanyard with children under three years to avoid the risk of strangulation. Keep the lanyard out of the reach of children under three years.



CAUTION

Do not touch the battery contacts with your hands or metal objects.

To assemble AudioLink XT, proceed as follows:

- ① Attach the battery to the main unit, starting at the bottom at a 45° angle.
- ② Starting at the bottom, press the two parts together until the battery fully snaps onto the main unit. AudioLink XT is now switched on. This is indicated by the status light slowly blinking in green.



- 3 Optional: Connect the AudioLink clip to AudioLink XT by aligning the clip with the back of AudioLink XT and applying pressure until the designated holes in the clip snap into place.
- 4 Optional: To attach the lanyard, remove the AudioLink clip from AudioLink XT by slightly lifting one side of the clip with your fingernail or with the AudioLink opening tool. Insert the thin string of the lanyard into the hole of the AudioLink clip and thread the other end of the lanyard through the resulting loop. Tighten the loop and reattach the AudioLink clip to AudioLink XT.



5.3 Charging AudioLink XT

AudioLink XT is delivered with the battery not fully charged. MED-EL recommends that you fully charge the device before using AudioLink XT.



CAUTION

Only use the provided USB power supply and cable to prevent any damage to the device and to avoid any injuries.

To charge AudioLink XT, proceed as follows:

- 1 Choose the appropriate input plug for the USB power supply.
- 2 Connect the input plug to the USB power supply by pushing down the plug until it clicks into place
- 3 Connect the micro-USB cable.
- 4 Pull aside the rubber socket cover.
- 5 Plug the micro-USB cable into the charging socket of AudioLink XT.
- 6 Connect the USB power supply to a power outlet (100–240 V AC, 50–60 Hz).
- 7 The status light is orange while charging. When the status light turns green, AudioLink XT is fully charged.
- 8 Disconnect the micro-USB cable from the charging socket and the USB power supply from the power outlet.



You can also use the AudioLink docking station to charge the battery (for more information on how to use the docking station, see section Streaming Audio From TV).

You can still use all functions of AudioLink XT while it is charging or connected to a charger as long as AudioLink XT is switched on. When switched off and connected to a charger, AudioLink XT automatically changes to standby mode. It will take approximately three hours to charge a fully depleted battery.

5.4 Switching AudioLink XT ON/OFF

To switch on AudioLink XT, proceed as follows:

- 1 Press the main button ((...)) for approximately 2 seconds.
- 2 Release the main button. When AudioLink XT is successfully switched on, the status light illuminates in green or orange depending on the battery level.



AudioLink XT is automatically switched on and in standby mode when connected to a charger.

To switch off AudioLink XT, proceed as follows:

- 1 Press the main button ((...)) for approximately 2 seconds.
- 2 Release the main button. When AudioLink XT is switched off, the status light does not illuminate.



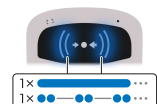
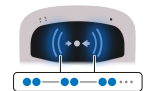
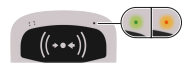
AudioLink XT switches off automatically when not used for approximately 5 minutes and not powered via USB.

5.5 Pairing Your Audio Processor With AudioLink XT

If you want to use AudioLink XT with your audio processor, you need to pair your audio processor first. You can pair up to two audio processors with AudioLink XT.

To pair your audio processor with AudioLink XT, proceed as follows:

- 1 Switch off the audio processor(s).
- 2 Press the main button ((...)) for approximately 2 seconds to switch on AudioLink XT and make sure it is in standby mode (only the status light is active, i.e., orange, or green).
- 3 Simultaneously press the telecoil button  and the microphone button  for approximately 2 seconds. AudioLink XT is now in pairing mode (indicated by continuous double-flashing of connection symbols). This mode stays active for approx. 60 seconds. Now AudioLink XT is searching for compatible target devices.
- 4 Place the (first) audio processor close to AudioLink XT and switch it on.
- 5 Once the audio processor has been found, the connection symbol of the corresponding side turns on permanently while the other side double-flashes continuously.



- 6 Optional for bilateral users: A second audio processor can be paired by repeating steps 4 and 5.
- 7 When the second audio processor is found, AudioLink XT will also illuminate the second connection symbol permanently before it leaves pairing mode.

NOTE: The first audio processor found will be linked to its preconfigured side. The second audio processor will be linked to the other side. This is relevant in case both audio processors are configured to the same side. If this is the case, make sure to pair the mainly used audio processor first.

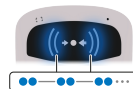
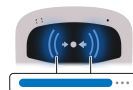
NOTE: AudioStream, the AudioStream Adapter, and hearing aids only support one single Bluetooth connection. If your phone is currently connected to the devices listed before, pairing with AudioLink XT won't work. If you want to use AudioLink XT, you must either disconnect the devices on your phone or switch off Bluetooth on your phone.

Further information regarding the pairing mode:

- The pairing mode can be terminated at any point by pressing the main button, the telecoil button, or the mic button.
- If audio processor pairings already exist, these pairings will be indicated by permanent illumination of the corresponding connection symbol when entering the pairing mode. If only one audio processor has been paired previously, a second processor can be added as described above. In case two audio processor pairings already exist, a new audio processor pairing is only possible after deleting the current pairings.

To delete (all) existing audio processor pairings, proceed as follows:

- 1 Switch on AudioLink XT.
- 2 Simultaneously press the telecoil button  and the microphone button  for approximately 2 seconds. AudioLink XT is now in pairing mode for approx. 60 seconds. Existing pairings are indicated by permanent connection symbols.
- 3 Press volume + and volume – simultaneously for approximately 2 seconds. AudioLink XT will remove the previous pairings.
- 4 AudioLink XT will restart the pairing mode as described above (indicated by continuous double-flashing of connection symbols).



CAUTION

- Use of Bluetooth wireless technology or any changes to the Bluetooth wireless technology (e.g., firmware updates, hardware changes, connection/disconnection of additional devices, etc.) could introduce previously unidentified risks. If such risks are identified, they shall be analyzed, evaluated, and controlled.

- The 2.4 GHz base Bluetooth functionality may be affected by electromagnetic interference from other close electronic and electrical equipment even if this equipment complies with all applicable electromagnetic emission requirements. If such interference is experienced (e.g., drop-outs or audible noise), move away from this electronic and electrical equipment.

5.6 AudioLink XT Functions

AudioLink XT offers the following streaming options:

- Using AudioLink XT as a remote microphone
- Using AudioLink XT as a remote telecoil
- Streaming a signal picked up by an FM receiver using the FM adapter
- Streaming TV audio via cable connection between AudioLink XT and TV
- Streaming music via a cable-connected device

If one audio streaming mode is currently active and another mode is activated, AudioLink XT will change to the mode with the higher priority. Remote telecoil and remote microphone can suppress each other. Streaming from an FM receiver has a lower priority followed by streaming via cable. For example: If you start the remote microphone while streaming via a cable connection, cable streaming (lower priority) will be interrupted and replaced by remote telecoil until you stop remote telecoil again (higher priority).

NOTE: AudioStream, the AudioStream Adapter, and hearing aids only support one single Bluetooth connection. If your phone is currently connected to the devices listed before, streaming via AudioLink XT won't work. If you want to use AudioLink XT, you must either disconnect the devices on your phone or switch off Bluetooth on your phone.

While audio streaming is active, you have several options to adjust the volume level of the streamed audio signal:

- Via the source device (TV, mobile phone, tablet, PC, etc.), if possible. This option is primarily recommended.
- Via AudioLink XT by pressing the volume **+** or volume **-** button. This option is recommended if you cannot directly adjust the source volume.
- Directly on the audio processor(s) (FineTuner Echo, AudioKey, etc.). This option is not recommended. If you decide to change the volume on the audio processor(s), make sure to readjust the volume setting before terminating streaming to avoid uncomfortably loud hearing sensations.



PARENTAL GUIDANCE

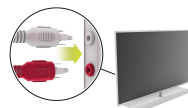
To prevent accidental volume changes, keep AudioLink XT out of the reach of children.

5.6.1 Streaming Audio From TV

With AudioLink XT, you can stream from a TV (or other consoles and devices) directly to your audio processor(s). The signal is transmitted over a cable connection to AudioLink XT and then streamed to your device(s).

To connect AudioLink XT to a TV, proceed as follows:

- 1 Connect the stereo cable with RCA (or cinch) connector to the TV. To do so, insert the red and white audio plug into the appropriate RCA sockets on the TV (typically located on the side or the back of the TV).

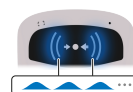


NOTE: If your TV does not have RCA output sockets, use commercially available DAC RCA adapters.

- 2 Connect the 3.5 mm audio jack of the stereo cable to the AudioLink docking station.
- 3 Pull the rubber socket cover aside and turn it to the back to access the connectors.



- 4 Place AudioLink XT in the AudioLink docking station. Make sure that the rubber socket cover is positioned in the designated groove of the AudioLink docking station.
- 5 Switch on the TV and set the output volume to a moderate level. If necessary, change the TV settings so that the RCA connector is set as an output signal instead of input. If the TV does not support such settings, MED-EL recommends using the 3.5 mm jack stereo cable in combination with the provided adapter as described in section Basics and Handling, AudioLink XT Functions, Streaming Audio via Stereo Cable.
- 6 Once an audio signal is received from the TV, AudioLink XT automatically synchronizes with the audio processor(s). Once synchronized, AudioLink XT starts streaming to the audio processor(s). The corresponding left/right connection symbol starts pulsing slowly.
- 7 Audio streaming stops automatically when no audio signal is received from the source device for approximately 3.5 minutes. If you have the FineTuner Echo remote control, you can use it to deactivate streaming by pressing the music symbol. Refer to the FineTuner Echo user manual for further information.



It is recommended to use the stereo cable with RCA connectors and the AudioLink docking station for TV streaming, as signal quality improves.

NOTE: Do not forget to put the rubber socket cover back over the connectors after removing AudioLink XT from the AudioLink docking station.

5.6.2 Streaming Audio via Stereo Cable

You can stream the signal of any compatible audio source (e.g., mobile phone, tablet, PC, laptop) to your audio processor(s) by establishing a wired connection to AudioLink XT.

Use the provided stereo cables with the 3.5 mm to 2.5 mm audio adapter cable and proceed as follows:

- 1 Connect the stereo cable with two 3.5 mm audio jacks to the target audio source (or the AudioLink docking station).
- 2 Connect the 3.5 mm audio socket of the audio adapter cable to the 3.5 mm audio jack of the stereo cable.
- 3 Connect the 2.5 mm audio jack of the audio adapter cable to the audio socket of AudioLink XT.
- 4 Start audio playback on the device. MED-EL recommends setting the output volume of the source device to a moderate level.
- 5 If an audio signal is received from the device, AudioLink XT automatically synchronizes with the audio processor(s). Once synchronized, AudioLink XT starts streaming to the audio processor(s). The corresponding left/right connection symbol starts pulsing slowly.
- 6 Audio streaming stops automatically when no audio signal is received from the source device for approximately 3.5 minutes.



You can also use the AudioLink docking station for streaming via cable connection. See section Basics and Handling, AudioLink XT Functions, Streaming Audio From TV for information on how to establish the connection to the audio source (use the stereo cable with two 3.5 mm audio jacks instead of the stereo cable with RCA connectors).

5.6.3 Using the Remote Microphone

In the remote microphone mode, AudioLink XT picks up surrounding acoustic signals with its integrated microphone and streams them to the audio processor(s).

The remote microphone feature of AudioLink XT can be used in several situations:

Meeting Room

Place AudioLink XT in a stationary position (e.g., in the middle of a table) to pick up the voices of all participants. The AudioLink docking station can be used to position AudioLink XT properly.



Conversation/School

The conversation partner wears AudioLink XT so that the microphone can pick up the partner's voice, which is then streamed to your audio processor(s). Your conversation partner can wear AudioLink XT on the upper body, attached to a collar, shirt pocket, etc. with the AudioLink clip or use the lanyard.



To use the remote microphone function, proceed as follows:

- 1 Switch on AudioLink XT.
- 2 Press the microphone button  of AudioLink XT.
- 3 AudioLink XT synchronizes with the audio processor(s) and starts streaming (indicated by a slow pulsing of the corresponding left/right connection symbol). The microphone symbol will also illuminate.
- 4 To terminate the remote microphone mode, press the microphone button  of AudioLink XT again.



5.6.4 Using the Remote Telecoil

In the remote telecoil mode, AudioLink XT picks up signals from induction loop systems and streams them to audio processor(s).

The remote telecoil feature of AudioLink XT can be used with fixed and portable induction loop systems (neck loops). Fixed induction loop systems are typically marked with blue telecoil symbols and can be found e.g., in schools, offices, reception areas, or shop counters.



NOTE: The sound quality depends on the distance between AudioLink XT and the induction source and their positioning.

To use the remote telecoil function, proceed as follows:

- 1 Switch on AudioLink XT.
- 2 Press the telecoil button  of AudioLink XT.
- 3 AudioLink XT synchronizes with the audio processor(s) and starts streaming (indicated by a slow pulsing of the corresponding left/right connection symbol). The telecoil symbol will also illuminate.
- 4 To terminate the remote telecoil mode, press the telecoil button  of AudioLink XT again.



5.6.5 Using an FM Receiver



WARNING

- Instruct children and persons under care not to swallow or put any components of AudioLink XT into their mouths or to play with any components. Swallowing of components could cause suffocation or internal injury.
- Keep the FM adapter out of the reach of children under three years.

The FM adapter allows you to connect an FM receiver to AudioLink XT. AudioLink XT will then forward the audio signal received by the FM receiver to your audio processor. This option gives you flexible access to FM systems or other FM equipment.

To use an FM receiver function, proceed as follows:

- 1 Switch on AudioLink XT.
- 2 Attach the FM receiver to the FM adapter.
- 3 Attach the FM adapter to the USB socket of the AudioLink XT.
- 4 When AudioLink XT detects the FM adapter (with an FM receiver attached), it will switch on the power supply for the FM receiver.
- 5 AudioLink XT synchronizes with the audio processor(s) and starts streaming (indicated by a slow pulsing of the corresponding left/right connection symbol).
- 6 To terminate FM receiver streaming, detach the FM adapter from AudioLink XT.



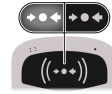
5.6.6 Mixed or Exclusive Streaming Mode (SONNET 3 Only)

When streaming audio signals to a SONNET 3 audio processor from any of the audio sources mentioned above, it is possible to select whether the stream is presented in mixed or in exclusive mode:

- Mixed mode: The streamed signal is mixed with the signal picked up by the audio processor microphone(s). The mixing "ratio" depends on the volume setting of AudioLink XT and/or the source volume.
- Exclusive mode: Only the streamed audio signal is presented. The audio processor microphones are "muted".

To change the current streaming mode, proceed as follows:

- 1 Start audio streaming.
- 2 The current streaming mode is indicated by the mix symbol on the main button. If it is illuminated, AudioLink XT is streaming in mixed mode. Otherwise, it is streaming in exclusive mode.
- 3 To toggle between mixed and exclusive mode, press the mix (main) button ((...)).



5.6.7 Configuring AudioLink XT With AudioKey

You can configure/customize AudioLink XT with the AudioKey app. The app does also allow to perform a firmware update in case a new version of the AudioLink XT firmware is available.

To pair your mobile device with AudioLink XT and configure AudioLink XT, proceed as follows:

- 1 Download the latest AudioKey app from your app store.
- 2 Switch off AudioLink XT.
- 3 Start AudioLink XT in configuration mode by pressing the main button ((...)) and the volume + button simultaneously for approx. 2 seconds. AudioLink XT will turn on and indicate the configuration mode by the continuous simultaneous double-flashing of the main, telecoil, and microphone symbols.
- 4 Start the AudioKey app on your mobile device and enter the connectivity options menu.
- 5 Select AudioLink XT/Configuration and follow the instructions in the app.
- 6 To terminate the configuration mode, press any button on AudioLink XT. AudioLink XT will perform a reset and light up main, telecoil, and microphone symbols for approx. 1 second.



NOTE: If you want to reset AudioLink XT to factory settings, press the main button ((...)), the volume + button, and the microphone button  simultaneously.

5.7 AudioLink XT Indicator Lights

The AudioLink XT indicator lights will illuminate in different patterns to indicate different conditions of the system.

Status Light

Blinking pattern	Meaning	Required action
 ... Slowly pulsing green	AudioLink XT active and battery level sufficiently charged	None
 ... Permanently green	Charger connected and charging process finished	Remove AudioLink XT from the power outlet. AudioLink XT can remain connected to the AudioLink docking station (e.g., when watching TV).
 ... Slowly pulsing orange	AudioLink XT active and battery level low (less than 5 %)	Charge AudioLink XT
 ... Permanently orange	Charger connected and battery charging	None

Left/Right Connection Symbol

Blinking pattern	Meaning	Required action
 ... Fast blinking	AudioLink XT synchronizing with the audio processor(s)	None
 ... Slowly pulsing	AudioLink XT streaming to audio processor(s)	None
 ... Double-flashing	Indicates searching for the audio processor in pairing mode.	None
 ... Permanently illuminated	Indicates paired audio processors (in pairing mode)	None

Mix Button

Blinking pattern	Meaning	Required action
 ... Permanently illuminated	AudioLink XT is streaming in mixed mode i.e., the provided audio signal is a mix of audio processor(s) (SONNET 3) microphone and the signal from AudioLink XT.	None

Microphone Button

Blinking pattern	Meaning	Required action
 ... Permanently illuminated	The remote microphone is active	None

Telecoil Button

Blinking pattern	Meaning	Required action
 ... Permanently illuminated	The remote telecoil is active	None

Mix, Telecoil, and Microphone Symbol

Blinking pattern	Meaning	Required action
 Simultaneous single pulse approx. 1 second	AudioLink XT reset	None
 ... Simultaneous double-flashing	AudioLink XT is in configuration mode	None

When changing from one state to another, the indicator lights will illuminate in full brightness. To save energy and reduce distraction, the brightness dims after approximately 30 seconds. It is also possible to adjust the brightness of the indicator light using the AudioKey app.

5.8 Changing the Battery



WARNING

- Misuse of batteries may result in the batteries causing heat, smoke, rupture, flame, or leakage which could lead to injury.
- Swallowing batteries could cause suffocation, poisoning, or internal injuries. If a battery has been swallowed or placed inside any part of the body, seek medical attention immediately.
- Do not allow children or persons under care to replace batteries without supervision.
- To prevent children or persons under care from swallowing or choking on batteries, always keep new and used batteries out of the reach of children or persons under care.
- Instruct children or persons under care not to swallow or put any components of AudioLink XT into their mouths or to play with any components. Swallowing of components could cause suffocation or internal injury.



CAUTION

- Always handle batteries with care to avoid injury.
- Do not dispose of the old/depleted batteries with common household waste but at a hazardous waste collection site.
- In case the battery shows signs of internal or external damage or chemical modification (battery swollen, leakage), store the battery in a safe container (e.g., a jar) until disposal.

AudioLink XT has an integrated rechargeable LiPo (lithium-ion polymer) battery. Battery performance will deteriorate over time. If the battery of AudioLink XT lasts less than 2 hours although fully charged, the battery should be replaced. Contact your audiologist/healthcare professional or local MED-EL representative to receive a replacement battery or for more information on batteries.

To change the battery, proceed as follows:

- 1 Remove the AudioLink XT clip.
- 2 Disassemble AudioLink XT by inserting the AudioLink opening tool into the groove. Carefully press the tool into the slot until a gap opens.



CAUTION

Do not use tools with sharp edges (screwdriver, knife, etc.) to open AudioLink XT when changing the battery. Only use the provided AudioLink opening tool.

- 3 Slide the tool around the housing until the main unit and the battery come apart. Do not twist the tool while opening AudioLink XT to avoid damaging the housing.
- 4 Take the new battery and assemble the device as described in section Basics and Handling, Assembling AudioLink XT.



CAUTION

Do not touch the battery contacts with your hands or metal objects.

- 5 Make sure that the battery and main unit are properly connected with no open recesses.
- 6 Reattach the AudioLink clip.

5.9 Care and Maintenance



CAUTION

- Do not perform any maintenance activities other than those described in this manual (e.g., changing the battery). When performing these maintenance activities, always switch off AudioLink XT.
- To prolong the cable's life, we recommend the following:
 - Do not bend the cable.
 - When unplugging the cable, pull on the plug and not on the cable itself.
 - Do not lift AudioLink XT or any other device by the cable.
 - Do not use excessive force when unplugging the cable.

- The provided cables are intended for connecting external audio devices, such as mobile phones, tablets, PCs, MP3 players, AM-FM radios, etc. to AudioLink XT. We recommend only using the cables which were provided with AudioLink XT. Do not use cables longer than 1.7 m, as these cables may result in increased electromagnetic emissions or decreased electromagnetic immunity of AudioLink XT. For further information, contact your local MED-EL representative.

AudioLink XT is designed for durability and reliability. Handle AudioLink XT with care.

- Do not drop the device.
- Do not try to repair any electronic parts of AudioLink XT and do not try to open the device, except to detach the battery, as this may damage the device.
- Protect AudioLink XT from liquids, dust, and excessive temperatures.
- Do not clean AudioLink XT in or under water. Use a damp cloth to gently clean AudioLink XT. Never use household cleaning products or alcohol.
- Do not use a microwave or any other heating devices to dry AudioLink XT. If necessary, wipe AudioLink XT dry with a tissue.
- AudioLink XT does not require regular maintenance by clinic personnel or other experts.
- You should regularly charge the AudioLink battery to avoid deep discharge.

If the device does not work properly, see section Troubleshooting for possible solutions. If you still cannot solve the problem, contact your audiologist/healthcare professional or local MED-EL representative for advice.

6. Troubleshooting

For assistance and reporting of issues associated with this MED-EL product or to report unexpected operations or events, contact your audiologist/healthcare professional or local MED-EL representative.

Problem	Possible cause	Recommended action
Pairing does not work	AudioStream, AudioStream Adapter, or hearing aid(s) currently connected to phone	Disconnect the device(s) on your phone or switch off Bluetooth on your phone.
Audio streaming does not start. Connection symbols do not illuminate.	Audio processor(s) not yet paired	Pair the audio processor(s) as described above.
	AudioStream, AudioStream Adapter, or hearing aid(s) currently connected to phone	Disconnect the device(s) on your phone or switch off Bluetooth on your phone.
No sound is perceptible during audio streaming and the connection indicator lights continue flashing	Audio processors out of range (not present)	• Make sure that the audio processor is switched on. • Replace the audio processor battery if it is empty. • Make sure that the audio processor is within range.
Distortions during audio streaming (interruptions, noise)	Device not within range or interference from other devices	• Reduce the distance between AudioLink XT and audio processor(s). • If possible, remove interfering devices (especially in the 2.4 GHz band). • If possible, change the location of the Wi-Fi router and/or PC. • If possible, use the 5 GHz band of your Wi-Fi system.
No sound perceptible or sound too low	Volume too low	• Increase the volume on the audio source device. • If the volume remains too low, increase the volume on AudioLink XT.
Sound too loud or cracking	Volume too high	• Decrease the volume on the audio source device. • If the volume remains too high, decrease the volume on AudioLink XT.
Audio streaming via cable connection does not work properly (no sound at all, noisy, single-sided, low) although streaming is indicated.	Loose audio jack contact	• Check if the stereo cable is attached properly or if AudioLink XT sits completely in the AudioLink docking station.
AudioLink XT frozen, i.e., does not respond at all	AudioLink XT crashed due to unexpected input	• Switch AudioLink XT off and on again. • Press the main button (•••) and the volume – button for approx. 7 seconds. AudioLink XT will perform a soft reset.

7. Interference With Other Equipment

7.1 Air Travel

In addition to EASA (European Aviation Safety Agency) and FAA (Federal Aviation Administration) requirements, airline regulations require suspending wireless operations before boarding an airplane. AudioLink XT should not be used on aircraft unless specifically permitted by the flight personnel. Secure AudioLink XT by placing it, for instance, in a garment pocket.

8. Technical Data

8.1 AudioLink XT

Model	AudioLink XT
Dimensions⁶	- Length: 68.0 mm - Width: 38.0 mm - Height: 17.5 mm
Weight⁶	35.0 g (with the clip attached)
Mode of operation	Continuous
Controls/Indicators	- Main button (on/off and Mix) - Telecoil button - Mic button - Volume buttons
Power supply	1 Lithium-ion polymer battery (3.7 V, 550 mA) - Internally powered - Battery operating time: approx. 10 hours for audio streaming, approx. 7 days in standby - Battery aging: >80 % of minimum capacity after 500 charging cycles
Classification	Short Range Device (SRD) according to ERC/REC 70-03 Annex 3 (band B)
Materials in body contact	A mixture of polycarbonate and acrylonitrile-butadiene-styrene polymer (PC/ABS)
Temperature and humidity range	- Operating temperature range: 0 °C to +40 °C - Storage/transport temperature range: -20 °C to +45 °C - Recommended storage temperature range: 0 °C to +30 °C - Relative humidity range: 10 % to 93 % - Atmospheric pressure: ambient to 700 hPa (mbar) (0 to 3,000 meters)
Essential performance	AudioLink XT does not have an essential performance i.e., none of the performance characteristics of AudioLink XT are essential performance as defined in IEC 60601-1.
Expected service life	The expected service life of AudioLink XT as defined in IEC 60601-1 is 5 years. There are no actions needed to maintain basic safety regarding electromagnetic disturbances for the expected service life.
Radio frequency link	- Frequency band of reception/transmission: 2400 MHz to 2483.5 MHz - Short Range Device (SRD) according to ERC/REC 70-03 Annex 3 (band B) - Type of modulation: Gaussian frequency-shift keying (GFSK) - Equivalent isotropic radiated power (EIRP): 6.3 dBm - Channel bandwidth: 1 MHz /2 MHz
Typical operating distance	30 cm to 5 m

⁶ typical values

8.2 AudioLink Docking Station

Model	AudioLink Docking Station
Dimensions ⁷	- Length: 60.5 mm - Width: 37.5 mm - Height: 42.0 mm
Weight ⁷	50 g
Mode of operation	Continuous
Materials in body contact	A mixture of polycarbonate and acrylonitrile-butadiene-styrene polymer (PC/ABS)
Temperature and humidity range	- Operating temperature range: 0 °C to +40 °C - Storage/transport temperature range: -20 °C to +45 °C - Recommended storage temperature range: 0 °C to +30 °C - Relative humidity range: 10 % to 93 % - Atmospheric pressure: ambient to 700 hPa (mbar) (0 to 3,000 meters)
Essential performance	The AudioLink docking station does not have an essential performance i.e., none of the performance characteristics of the AudioLink docking station are essential performance as defined in IEC 60601-1.
Expected service life	The expected service life of the AudioLink docking station as defined in IEC 60601-1 is 5 years. There are no actions needed to maintain basic safety regarding electromagnetic disturbances for the expected service life.

8.3 FM adapter

Model	FM adapter
Dimensions ⁷	- Length: 18.0 mm - Width: 11.0 mm - Height: 10.0 mm
Weight ⁷	10 g
Mode of operation	Continuous
Materials in body contact	A mixture of polycarbonate and acrylonitrile-butadiene-styrene polymer (PC/ABS)
Temperature and humidity range	- Operating temperature range: 0 °C to +40 °C - Storage/transport temperature range: -20 °C to +45 °C - Recommended storage temperature range: 0 °C to +30 °C - Relative humidity range: 10 % to 93 % - Atmospheric pressure: ambient to 700 hPa (mbar) (0 to 3,000 meters)
Essential performance	The FM adapter does not have an essential performance i.e., none of the performance characteristics of the FM adapter are essential performance as defined in IEC 60601-1.
Expected service life	The expected service life of the FM adapter as defined in IEC 60601-1 is 5 years. There are no actions needed to maintain basic safety regarding electromagnetic disturbances for the expected service life.

⁷ typical values

8.4 Regulatory Statements

Applicable in Canada only:

Model: MED-EL AudioLink XT IC:11986A-ALXT

The above device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radiofrequency radiation exposure information:

This device complies with Innovation, Science and Economic Development (ISED) Canada's RF exposure limits set forth for an uncontrolled environment and has been tested for portable use.

L'émetteur/récepteur exempt de licence contenu dans les appareils mentionnés ci-dessus est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Informations sur l'exposition aux radiations radiofréquences:

Cet appareil est conforme aux limites d'exposition aux radiofréquences établies par Innovation, Science et Développement économique (ISED) Canada pour un environnement non contrôlé et a été testé pour une utilisation portable.

Applicable in the USA only:

Model: AudioLink XT FCC ID: VNP-ALXT

The above device complies with part 15 of the FCC 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.

Warning: Changes or modifications made to this equipment not expressly approved by MED-EL may void the FCC authorization to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment 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 equipment 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 equipment and receiver.
- Connect the equipment 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.

Radiofrequency radiation exposure information:

This device complies with FCC RF exposure limits set forth for an uncontrolled environment and has been tested for portable use.

8.5 Radio Frequency/Telecommunication Information

Country	Symbol/Registration Number
Argentina	 H-32059
Australia/New Zealand	

Country	Symbol/Registration Number
Brazil	 11246-24-02433 Para maiores informações, consulte o site da Anatel: www.gov.br/anatel Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados
Canada	IC: 11986A-ALXT
Japan	 204-A00049
USA	FCC ID: VNP-ALXT

8.6 Guidance and Manufacturer's Declaration

Tables according to IEC 60601-1-2 for AudioLink XT

There are no deviations from this collateral standard and no allowances are used.

Electromagnetic emissions – for all equipment and systems			
AudioLink XT is intended for use in the home healthcare environment. The customer or the user of AudioLink XT should assure that it is used in such an environment.			
Emissions test	Compliance	Electromagnetic environment – guidance	
RF emissions CISPR 11	Group 1	AudioLink XT uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.	
RF emissions CISPR 11	Class B	AudioLink XT is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.	
Harmonic emissions IEC 61000-3-2	Applicable		
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Applicable		
Electromagnetic immunity – for all equipment and systems			
AudioLink XT is intended for use in the home healthcare environment. The customer or the user of AudioLink XT should assure that it is used in such an environment.			
Immunity test	IEC 60601-1-2 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8kV contact ± 2kV, ± 4kV, ± 8kV, ± 15 kV air	±8kV contact ± 2kV, ± 4kV, ± 8kV, ± 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	100kHz repetition frequency: ±2kV for power supply lines ±1kV for input/output lines	100kHz repetition frequency: ±2kV for power supply lines ±1kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5kV, ±1kV line(s) to line(s)	±0.5kV, ±1kV line(s) to line(s)	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions, and voltage variations on power supply lines IEC 61000-4-11	0% U _i ; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% U _i ; 1 cycle at 0° 70% U _i ; 25/30 cycles at 0° (50Hz / 60Hz) 0% U _i ; 250/300 cycle (50Hz/60Hz)	0% U _i ; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% U _i ; 1 cycle at 0° 70% U _i ; 25/30 cycles at 0° (50Hz / 60Hz) 0% U _i ; 250/300 cycle (50Hz/60Hz)	Mains power quality should be that of a typical commercial or hospital environment.
Power frequency magnetic field IEC 61000-4-8	30A/m (50/60Hz)	30A/m (50/60Hz)	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: U _i is the a.c. mains voltage prior to application of the test level.			

Electromagnetic immunity – for equipment and systems that are not life-supporting

AudioLink XT is intended for use in the home healthcare environment. The customer or the user of AudioLink XT should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	80 % AM at 1kHz: 3 Vrms, 150kHz to 80 MHz 6 Vrms in ISM and amateur radio bands between 150kHz and 80 MHz	80 % AM at 1kHz: 3 Vrms, 150kHz to 80 MHz 6 Vrms in ISM and amateur radio bands between 150 kHz and 80 MHz	Portable and mobile RF communications equipment should be used no closer than 30 cm to any part of AudioLink XT, including cables, specified by MED-EL. Otherwise, degradation of the performance of AudioLink XT could result. The ISM (industrial, scientific and medical) bands between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz. The amateur radio bands between 0.15 MHz and 80 MHz are 1.8 MHz to 2.0 MHz, 3.5 MHz to 4.0 MHz, 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz, 10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99 MHz, 28.0 MHz to 29.7 MHz and 50.0 MHz to 54.0 MHz.
Radiated RF IEC 61000-4-3	80 % AM at 1kHz: 10 V/m, 80 MHz to 2.7 GHz 3 V/m (2.7 GHz to 6 GHz)	80 % AM at 1kHz: 10 V/m, 80 MHz to 2.7 GHz 3 V/m (2.7 GHz to 6 GHz)	
Proximity fields from RF wireless communications equipment IEC 61000-4-3	27 V/m, 380 MHz to 390 MHz (pulse modulation, PM) 28 V/m, 430 MHz to 470 MHz (FM) 9 V/m, 704 MHz to 787 MHz (PM) 28 V/m, 800 MHz to 960 MHz (PM) 28 V/m, 1700 MHz to 1990 MHz (PM) 28 V/m, 2400 MHz to 2570 MHz (PM) 9 V/m, 5100 MHz to 5800 MHz (PM)	27 V/m, 380 MHz to 390 MHz (PM) 28 V/m, 430 MHz to 470 MHz (FM) 9 V/m, 704 MHz to 787 MHz (PM) 28 V/m, 800 MHz to 960 MHz (PM) 28 V/m, 1700 MHz to 1990 MHz (PM) 28 V/m, 2400 MHz to 2570 MHz (PM) 9 V/m, 5100 MHz to 5800 MHz (PM)	
Proximity magnetic fields IEC 61000-4-39	30 kHz CW at 8 A/m 134.2 kHz at 65 A/m (PM 2.1kHz) 13.56 MHz at 7.5 A/m (PM 50 kHz)	30 kHz CW at 8 A/m 134.2 kHz at 65 A/m (PM 2.1kHz) 13.56 MHz at 7.5 A/m (PM 50 kHz)	

9. Miscellaneous

9.1 Warranty Statement

Refer to the accompanying Warranty Statement for information about MED-EL's warranty provisions.

9.2 Storage

Store AudioLink XT in a dry place and protect it from direct sunlight.

9.3 Disposal

We advise you to dispose of all components of AudioLink XT by returning them to your local MED-EL subsidiary or distributor. Isolated collection and proper recovery of electronic and electrical waste equipment at the time of disposal allow us to help conserve natural resources. Moreover, proper recycling of electronic and electrical waste equipment ensures the safety of human health and the environment.

9.4 Symbols



CE marking, first applied in 2024

Hereby MED-EL Elektromedizinische Geräte GmbH declares that AudioLink XT is in compliance with directives 2014/53/EU and 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: www.medel.com/compliance



Caution



Consult instructions for use



Not suitable for children under 3 years



Manufacturer



Catalog number



Serial number



Fragile, handle with care



Temperature limit



Humidity limitation



Atmospheric pressure limitation



Non-ionizing electromagnetic radiation



Direct current



The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by MED-EL is under license.

IP52 Moisture and dust protection acc. to IEC 60529

This classification means that AudioLink XT is protected against failure from ingress of dust and dripping water when fully assembled, i.e., when the battery is fully snapped onto the main unit and the silicone flap covers the connectors.

9.5 Contact

For help and assistance contact your local MED-EL office or MED-EL headquarters. Refer to the accompanying contact sheet for your local office.

MED-EL Elektromedizinische Geräte GmbH

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Austria

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Any serious incident that has occurred in relation to the product should be reported to the manufacturer and, if applicable, to the competent authority of the country in which the user and/or patient is established.



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