

MED[®]**EL**



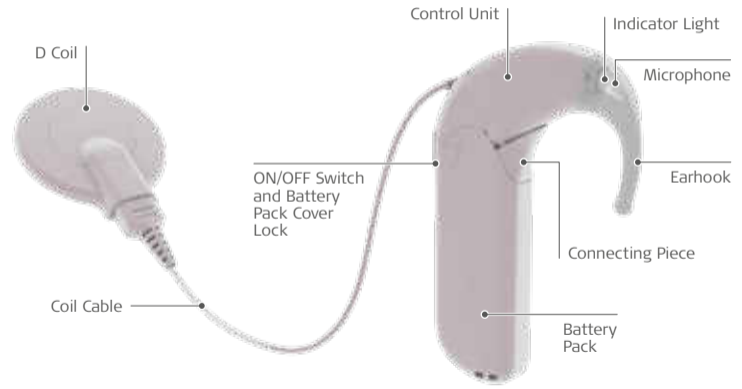
OPUS[®] 2
Audio Processor

Quick Guide

Table of Contents

- Basic Assembly 2
- D Coil 3
- Earhook 4
- Battery Options 5
- Indicator Light 6
- FineTuner 8
- FineTuner Light Patterns 10
- Batteries 11
- Telecoil Accessories 12
- FM Battery Pack 14
- BabyBTE/ActiveWear 16
- Children's Battery Pack 18
- Mini Battery Pack 20
- Safety Features 24
- Basic Care and Maintenance 26
- Troubleshooting 28

OPUS® 2 Audio Processor



Basic Assembly



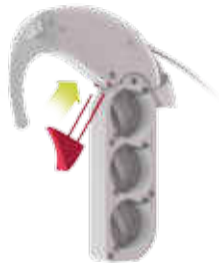
Ensure the arrow is on top.



1 Plug the **coil cable** into the **control unit**.



2 Attach the **battery pack frame** to the **control unit**.



3 Lock the **battery pack frame** using the **connecting piece**.

4 Connect the **coil cable** to the **D Coil**.



Ensure the centre ridge is on top.



5 Insert the **batteries** with positive (+) poles facing out.

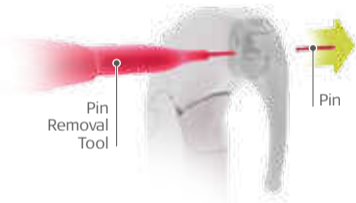
6 Slide on the battery pack cover. Close the battery pack cover lock.



Your OPUS 2 is now turned on.

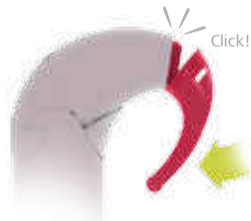
Earhook

Detaching



- 1 Remove the **earhook pin** by pushing it out with the supplied **pin removal tool**.

- 2 Remove the **earhook** by gently pushing it down.



- To Attach**
Note the mechanism that secures the earhook.



-  To lock the earhook, attach the earhook and insert the earhook pin.

Battery Options

XS Battery Pack



DaCapo Rechargeable Battery Pack



Alternate the daily usage of your DaCapo batteries for best results.



Attach the DaCapo Rechargeable Battery Pack or the XS Battery Pack in the same way you attach the standard battery pack cover. (See Basic Assembly instructions on pages 2–3.)

Indicator Light



Confirmation



Status

FineTuner command has been successfully received.

Program Change



Program 1 is selected.



Program 2 is selected.



Program 3 is selected.



Program 4 is selected.

Status



If the optional status light has been activated:
OPUS 2 is initialised and working.



Scale in Seconds

Warning



Status

Batteries are empty.

Solution

Change the batteries.



Either minimum or maximum volume has been reached, or audio sensitivity has been reached.

Adjust volume or sensitivity if necessary.

Error Pattern



Problem

Temporary error or electronic malfunction.

Solution

1. Turn processor off.
2. Turn processor back on.



The setting you selected has not yet been programmed, or there has been a program malfunction.

Select another setting.



Temporary error or electronic malfunction.

1. Turn processor off.
2. Turn processor back on.



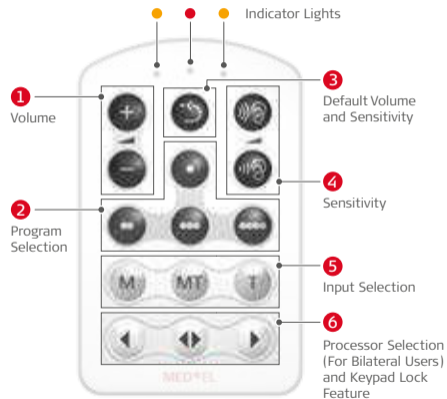
Programming failure, temporary error, or electronic malfunction.

1. Turn processor off.
2. Turn processor back on.



Scale in Seconds

FineTuner



- 1 **Volume**
Increase or decrease the volume
- 2 **Program Selection**
Choose a program
- 3 **Default Volume and Sensitivity**
Set volume and audio sensitivity to default setting as determined by your audiologist
- 4 **Sensitivity**
Increase or decrease the audio sensitivity
- 5 **Input Selection**
M: Selects microphone
MT: Selects microphone and telecoil
T: Selects telecoil
- 6 **Processor Selection (For Bilateral Users)**
Select the left processor, both processors, or the right processor;
Activates and deactivates the Keypad Lock


FineTuner Keypad Lock

To prevent accidental setting changes, you can activate the FineTuner Keypad Lock. If any key is pressed while the keypad is locked, the red LED light on the FineTuner will blink.

Temporarily Unlocking the Keypad

You can make a selection even when the keypad is locked by pressing any given key twice. The first click temporarily unlocks the keypad, and the second click sends the command.

When the Keypad Lock is temporarily deactivated, the keypad will relock after 10 seconds of inactivity.

 Any FineTuner key can be deactivated by your clinician to prevent accidental setting changes.







Activating the Keypad Lock

1. Press and hold the (⏮) key for 5 seconds, or until the red and amber lights blink alternately.
2. Press the (⏪) key. When the keypad has been locked successfully, the amber lights will blink.

Deactivating the Keypad Lock

1. Press the (⏮) key twice. The second time, press and hold for at least 5 seconds, or until the red and amber lights blink alternately.
2. Press the (⏪) key. The amber lights will blink to indicate that your FineTuner is unlocked.

Light Patterns

Light Pattern	Meaning	Explanation
	Keypad is locked	If you press any key while the FineTuner is locked, the red indicator lights will turn on.
	Information is being transmitted	The indicator lights blink when signals are being transmitted. The left light blinks if the left side is activated. The right light blinks if the right side is activated. Both blink if both sides (for bilateral users) are activated.
	Input side change	Press the left key to send commands to the left side. Press the right key to send commands to the right side. The corresponding amber light will turn on. To send commands to both sides (for bilateral users), press the centre key. Both amber lights will turn on.
	Programming mode	Press for more than 5 seconds to activate programming mode. The 3 indicator lights will flash alternately.
	Batteries are low	If batteries are low, the red indicator light in the centre will blink three times repeatedly.
	Configuration has been successful	If configuration of your FineTuner has been successful or if the automatic keyboard lock feature has been either activated or deactivated, both amber lights will turn on for one second.

Batteries

Use only type 675 batteries to power your OPUS 2. We recommend using high-power zinc-air batteries that are designed especially for cochlear implant systems. When you use OPUS 2 with the WaterWear accessory, however, you must substitute zinc-air batteries with one of the other types.

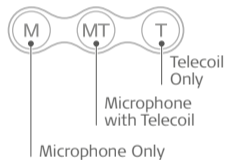
	XS Battery Pack	Standard Battery Pack			DaCapo Battery Pack
	Zinc-Air Batteries	Zinc-Air Batteries	Silver-Oxide Batteries	Alkaline Batteries	Rechargeable
Maximum battery life	60 hours	90 hours	10 hours	8 hours	16 hours
Requires oxygen supply	Yes	Yes	No	No	No
Compatible with WaterWear	No	No	Yes	Yes	Yes

Telecoil Accessories

For Neckloops and Silhouettes



FineTuner Input Selection Keys



- 1 Insert the 3.5 mm plug of the telecoil accessory into the headphone jack of the audio device.
- 2 Press the **MT** or **T** button on your **FineTuner** to activate the telecoil and select the input type.
- 3 Place the telecoil accessory around your neck if you're using a neckloop or on your ear if you're using a silhouette.

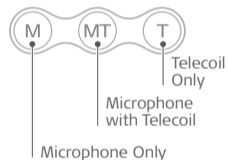
For Induction Loop Systems



Look for the symbol that identifies the use of an induction loop system at venues.

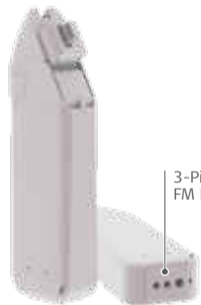
- 1 Find the listening area of the induction loop system and stay within it.

FineTuner Input Selection Keys



- 2 Press the **MT** or **T** button on your **FineTuner** to activate the telecoil function and select the input type.

FM Battery Pack



With Direct Audio Input



1 Insert the 3-pin plug of the **audio adapter cable** into the **FM port**.



2 Insert the 3.5 mm plug of the **audio adapter cable** into the headphone port of the audio device.

Audio Adapter Cables



Unilateral Mix



Unilateral Ext.



Bilateral Mix



Bilateral Ext.

With FM Receiver



Insert the FM receiver into the **FM port**. OPUS 2 will automatically detect sound signals as soon as the FM system is activated.

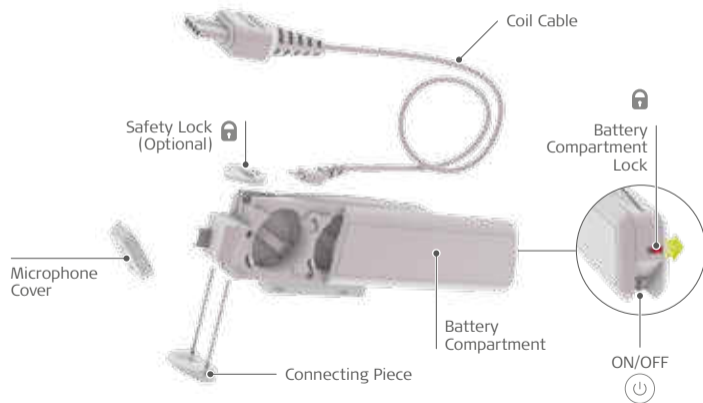


Attach the FM Battery Pack in the same way you attach the standard battery pack cover. (See Basic Assembly instructions on pages 2–3 of this guide.)

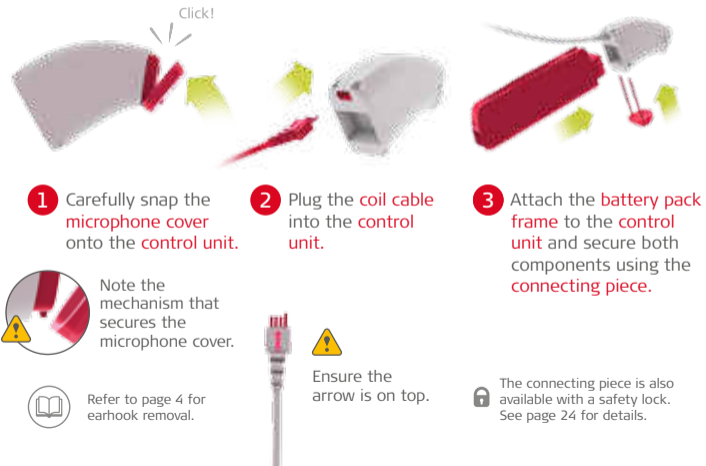


Refer to the user manual for your FM system for instructions on changing FM settings.

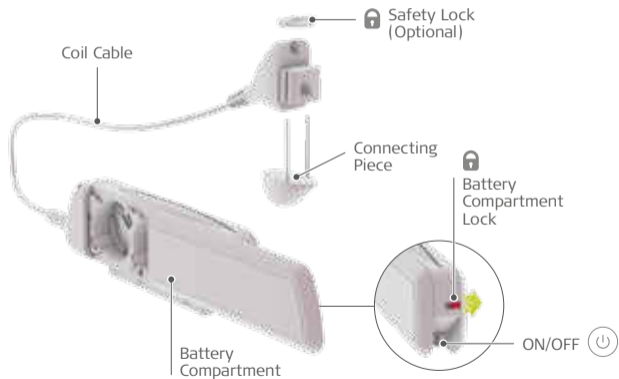
BabyBTE/ActiveWear



Basic Assembly



Children's Battery Pack



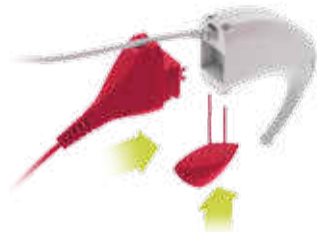
Basic Assembly



- 1 Plug the **coil cable** into the **control unit**.



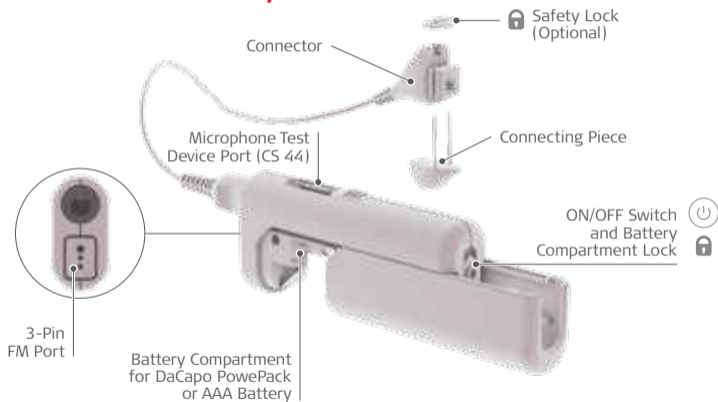
Ensure the arrow is on top.



- 2 Attach the **connector** to the **control unit** and secure both components using the **connecting pin**.

 The connecting piece is also available with a safety lock for additional security. See page 24 for details.

Mini Battery Pack



Basic Assembly




- 1 Plug the **coil cable** into the **control unit**.



Ensure the arrow is on top.

- 2 Attach the **connector** to the **control unit** and secure both components using the **connecting pin**.

 The connecting piece is also available with a safety lock for additional security. See page 24 for details.

Assistive Listening Devices

Direct Audio Input



- 1 Insert the 3-pin plug of the **audio adapter cable** into the **FM port**.



- 2 Insert the 3.5 mm plug of the **audio adapter cable** into the headphone port of the audio device.

Audio Adapter Cables



Unilateral Mix



Unilateral Ext.



Bilateral Mix



Bilateral Ext.

FM Receiver

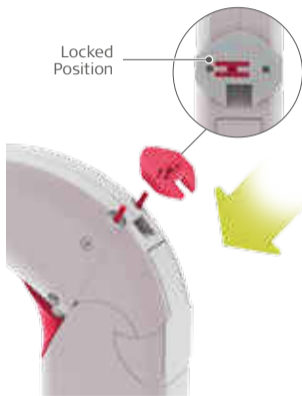


Insert the FM receiver into the **FM port**. OPUS 2 will automatically detect sound signals as soon as the FM system is activated.



Refer to the user manual of your FM system for instructions on changing FM settings.

Safety Features



Battery Pack Cover Lock

The battery pack cover can be locked to prevent tampering or disassembly. If OPUS 2 belongs to a child, always lock the battery pack cover before you place the audio processor on the child's ear.

- 1 Insert the long-pinned connecting piece and place the safety lock onto the pins. The coil cable plug should rest in the cutout section.
- 2 Slide the lever to the left with a pointed object (e.g. ballpoint pen) to secure the safety lock.
- 3 To open the safety lock, move the lever in the opposite direction.



Lockable Earhook

The earhook locks securely in place to prevent accidental removal. To lock the earhook, insert the earhook pin after you attach the earhook to the control unit. If OPUS 2 belongs to a child, always insert the earhook pin before you place the audio processor on the child's ear.



FineTuner Deactivation

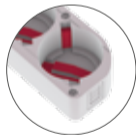
You can deactivate certain FineTuner keys or programs to prevent accidental changes to settings. For more information about this feature or for instructions for FineTuner deactivation, please contact your CI centre.

Basic Care and Maintenance

Follow these basic and important care instructions to help improve the functioning of your OPUS 2 and extend its life.

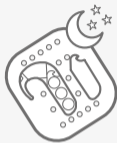
General Cleaning

Clean OPUS 2 regularly by wiping it with a soft, damp cloth. Don't use cleaning solutions. Use extra care when cleaning small parts such as the battery contacts.



Battery Contacts

Inspect the battery contacts regularly; clean and dry them as necessary. To clean them, use a cotton swab and a small amount of rubbing alcohol. Gently wipe them dry. Avoid touching the battery contacts.



Drying

Use the drying kit every night to allow OPUS 2 to dry out completely. Remove the battery pack cover before putting it into the drying kit with your audio processor. Disposable batteries can be left in the frame and put into the drying kit.



Don't put rechargeable batteries into the drying kit.



Moisture

Protect OPUS 2 from exposure to water. If your audio processor gets wet, gently wipe it dry with a soft absorbent cloth.



Sunlight

Don't leave OPUS 2 in direct sunlight, especially inside of a vehicle. Don't expose your audio processor to extreme temperatures.



Refer to your user manual for more information about care and maintenance.

Troubleshooting

In case you encounter any minor technical problems, such as an interruption in sound, carefully follow these steps to identify possible causes and solutions:

1. Remove your OPUS 2 and change the batteries.
If that doesn't solve the problem, go to 2.
2. Disassemble your OPUS 2 into five parts: control unit, battery pack frame, battery pack cover, coil cable, and D Coil. (For guidance, see pages 2–3.)
3. Check each part for dirt or signs of damage.
Gently clean any processor parts that are dirty and wipe dry any parts that are wet. (See instructions on pages 26–27.)
If any parts appear damaged, contact your CI centre for assistance.
4. Reassemble OPUS 2. (See instructions on pages 2–3.)
If your processor still isn't working, go to 5.
5. Use the Speech Processor Test Device to troubleshoot your audio processor.

Speech Processor Test Device



The Speech Processor Test Device (SPTD) is a troubleshooting tool for detecting the most common audio processor problems. To troubleshoot with the SPTD, follow these steps:

1. Switch on your OPUS 2.
2. Place the flat side of the D Coil under the Speech Processor Test Device.
3. Speak into the OPUS 2 microphone. The indicator light should flicker to the rhythm of your voice. If it doesn't, go to 4.
4. Adjust the volume and speak into the microphone.
If the indicator light doesn't flicker, go to 5.
5. Change the batteries and speak into the microphone.
If the indicator light doesn't flicker, go to 6.
6. Replace the coil cable.

If your OPUS 2 still isn't working or for immediate assistance, please contact your CI centre. For complete troubleshooting instructions, visit medel.com.

MED-EL Medical Electronics
Fürstenweg 77a | 6020 Innsbruck, Austria
office@medel.com

medel.com

