SONNET®
Ci and EAS Audio Processors

Quick Guide
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SONNET® CI and EAS Audio Processors

The DL-Coil cover is available in a locking version for additional security.

For important information about SONNET safety features, see pages 28–29.
Basic Assembly

1. Attach the **battery pack frame** to the control unit.
2. Plug the **coil cable** into the control unit.

Note the mechanism that secures the control unit to the frame.

To remove, press the tip of the release lever.

Note the correct orientation of the coil cable socket.
3 Insert the **batteries** with positive (+) poles facing out and slide on the **battery pack cover**.

Your **SONNET** is now turned on.

- **Battery Pack Cover Lock**
  - Unlocked
  - Locked

Be careful not to use too much force when you turn the battery pack cover lock.

4 Connect the **coil cable** to the **DL-Coil**.

- **Note** the orientation of the plug. The logo and arrow should face up.
Basic Assembly

Rechargeable Batteries

1. Attach the rechargeable battery adapter to the control unit.

Note the mechanism that secures the control unit to the frame.

2. Insert rechargeable battery. The side with the higher lip should be facing towards the earhook.

To remove, press the tip of the release lever.
Gently press **rechargeable battery** back into **rechargeable battery adapter** until it clicks into place.

To remove **rechargeable battery**, reverse steps **3 & 2**. **Rechargeable battery adapter** does not need to be removed to change rechargeable batteries.
Plug the coil cable into the control unit.

Note the correct orientation of the coil cable socket.

Make sure that the battery pack cover lock is in the unlocked position. Slide the battery cover over the rechargeable battery adapter.

Your SONNET is now turned on.

Be careful not to use too much force when you turn the battery pack cover lock.
Connect the coil cable to the DL-Coil.

Note the orientation of the plug. The logo and arrow should face up.

SONNET Rechargeable Batteries

- **Standard**
  Up to 10 hours battery life. Use with standard battery cover.

- **Micro**
  Up to 7 hours battery life. Use with micro battery cover.

The DL-Coil cover is also available in a locking version for additional security.
SONNET

DL-Coil

Opening and Closing

Insert your fingernail or plastic screwdriver into the front of the cover, and slide tip around the base to gently open.

Press the cover and base together to close.

The DL-Coil cover is also available in a locking version for additional security.

Contact your clinician to have the magnet changed or if you experience any skin irritation around the coil.
DL-Coil Magnet

Inserting the Magnet

1. Insert the magnet with the circles or triangles facing up.
2. Lock the magnet in place by turning it toward (+) or (-) with a ballpoint pen.

Magnet Strength

1. Soft
2. Standard
3. Strong
4. Extra Strong
5. Max Strength

For guidance on the best magnet strength for you, consult your clinician.

Adjusting the strength of your magnet

Further adjust the strength of your magnet by locking it into the (+) or (-) position. Note that the Max Strength magnet can only be locked into the (+) position.
If you have SONNET EAS, a hearing aid acoustician will fit your earhook with an ear mould.

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.
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Microphone Cover

Detaching

1. Remove the earhook.

2. Gently pull the microphone cover off the control unit from the front using your fingernail.

Attaching

1. Insert the microphone cover pins into the recesses in the control unit.

2. Carefully snap the microphone cover onto the control unit.

Make sure that the microphone cover pins have been inserted before you proceed to step 2.
### 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: SONNET is initialised and working.
<table>
<thead>
<tr>
<th>Warning</th>
<th>Status</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Battery Dead Icon]</td>
<td>Batteries are empty.</td>
<td>Change the batteries.</td>
</tr>
<tr>
<td>![Volume Icon]</td>
<td>Either minimum or maximum volume has been reached, or audio sensitivity has been reached.</td>
<td>Adjust volume or sensitivity if necessary.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Error Pattern</th>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Error Pattern Icon 1]</td>
<td>Temporary error or electronic malfunction.</td>
<td>1. Turn processor off. 2. Turn processor back on.</td>
</tr>
<tr>
<td>![Error Pattern Icon 2]</td>
<td>The setting you selected has not yet been programed, or there has been a program malfunction.</td>
<td>Select another setting.</td>
</tr>
<tr>
<td>![Error Pattern Icon 3]</td>
<td>Temporary error or electronic malfunction.</td>
<td>1. Turn processor off. 2. Turn processor back on.</td>
</tr>
<tr>
<td>![Error Pattern Icon 4]</td>
<td>Programming failure, temporary error, or electronic malfunction.</td>
<td>1. Turn processor off. 2. Turn processor back on.</td>
</tr>
</tbody>
</table>

Scale in Seconds:

0 1 2 3
The DL-Coil, coil cable, and audio processor are working; your audio processor and implant are successfully connected (applicable to SYNCHRONY, CONCERTO, MED-EL CONCERT, SONATA, and PULSAR implants).

The DL-Coil, coil cable, and audio processor are working (applicable to C40+ and C40 implants).

**Confirmation**

- The DL-Coil, coil cable, and audio processor are working; your audio processor and implant are successfully connected (applicable to SYNCHRONY, CONCERTO, MED-EL CONCERT, SONATA, and PULSAR implants).
- The DL-Coil, coil cable, and audio processor are working (applicable to C40+ and C40 implants).

**Problem**

- Your audio processor isn't working.

**Solution**

1. Change the batteries. If that doesn't solve the problem, go to 2.
2. Replace the coil cable. If that doesn't solve the problem, contact your CI centre for assistance.

- The indicator light has been deactivated by your audiologist.

Contact your audiologist.
<table>
<thead>
<tr>
<th>Warning</th>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>● ● ● ● • •</td>
<td>The DL-Coil and implant are disconnected.</td>
<td>Position the DL-Coil over the implant.</td>
</tr>
<tr>
<td></td>
<td>The DL-Coil is positioned over the wrong implant.</td>
<td>Position the DL-Coil over the correct implant.</td>
</tr>
<tr>
<td></td>
<td>The coil cable is defective. If the coil cable fails, the DL-Coil will automatically power off after 5 minutes.</td>
<td>1. Replace the coil cable. 2. Reposition the DL-Coil over the implant. 3. Turn your processor off. 4. Turn your processor back on.</td>
</tr>
<tr>
<td>● ● ● ● ● ● ● ●</td>
<td>The DL-Coil has powered off.</td>
<td>1. Reposition the DL-Coil over the implant. 2. Turn your processor off. 3. Turn your processor back on.</td>
</tr>
<tr>
<td>● ● ● ● ● ● ● ●</td>
<td>The coil cable is defective.</td>
<td>Replace the coil cable.</td>
</tr>
<tr>
<td>10 seconds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● ● ● ● ● ● ● ●</td>
<td>Random signals</td>
<td></td>
</tr>
</tbody>
</table>
SONNET

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 the microphone
   - MT: Selects microphone and telecoil
   - T: Selects the telecoil

6. **Processor Selection (For Bilateral Users)**
   - Select the left processor, both processors, or the right processor;
   - Activates and deactivates the Keypad Lock Feature

**Indicator Lights**

1. 2. 3.
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.

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

Deactivating the Keypad Lock
1. Press the ( contrario) 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 ( play) key. The amber lights will blink to indicate that your FineTuner is unlocked.

⚠️ Any FineTuner key can be deactivated by your clinician to prevent accidental setting changes.
### Light Patterns

<table>
<thead>
<tr>
<th>Light Pattern</th>
<th>Meaning</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>○ ○ ○</td>
<td>Keypad is locked</td>
<td>If you press any key while the FineTuner is locked, the red indicator lights will turn on.</td>
</tr>
<tr>
<td>○ ○ ○ ○</td>
<td>Information is being transmitted</td>
<td>The indicator lights blink when signals are being transmitted. The left light blinks if the left audio processor is activated. The right light blinks if the right audio processor is activated. Both blink if both audio processors (for bilateral users) are activated.</td>
</tr>
<tr>
<td>○ ○ ○ ○</td>
<td>Input side change</td>
<td>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.</td>
</tr>
<tr>
<td>○ ○ ○ ○</td>
<td>Programming mode</td>
<td>Press for more than 5 seconds to activate programming mode. The 3 indicator lights will flash alternately.</td>
</tr>
<tr>
<td>○ ○ ○ ○ ○ ○</td>
<td>Batteries are low</td>
<td>If batteries are low, the red indicator light in the centre will repeatedly blink three times.</td>
</tr>
</tbody>
</table>
Use only type 675 batteries or SONNET rechargeable batteries. For type 675, we recommend using zinc-air batteries that are designed especially for hearing implant systems. However, you cannot use zinc-air batteries when using SONNET with the WaterWear accessory.

<table>
<thead>
<tr>
<th>Batteries</th>
<th>Maximum battery life</th>
<th>Compatible with WaterWear</th>
<th>Rechargeable battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>675 Zinc-Air Batteries</td>
<td>60 hours</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SONNET Standard Rechargeable Battery</td>
<td>10 hours</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SONNET Micro Rechargeable Battery</td>
<td>7 hours</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>675 Silver-Oxide Batteries</td>
<td>10 hours</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>675 Alkaline Batteries</td>
<td>8 hours</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
Telecoil Accessories

For Neckloops and Silhouettes

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.

2. Press the MT or T button on your FineTuner to activate the telecoil function and select the input type.
SONNET – Assistive Listening Devices

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.

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.)
With FM Receiver

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

Refer to the user manual for your FM system for instructions on changing FM settings.
SONNET Mini Battery Pack

- Battery Compartment for DaCapo PowerPack or AAA Battery
- 3-Pin FM Port
- ON/OFF Switch and Battery Compartment Lock
- SONNET Mini Battery Pack Adapter
- SONNET Mini Battery Pack Cable
1. Attach **Mini Battery Pack Adapter** to control unit.

Note the mechanism that secures the control unit to the frame.
2 Slide cover of Mini Battery Pack Cable over adapter.

Be careful not to use too much force when you turn the battery pack cover lock.

3 Connect the connector cable to the Mini Battery Pack.

Your SONNET is now ready to use.
**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.
Safety Features

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 SONNET belongs to a child, always insert the earhook pin before you place the audio processor on the child’s ear.

Battery Pack Cover Lock
The battery pack cover can be locked to prevent tampering or disassembly. If SONNET belongs to a child, always lock the battery pack cover before you place the audio processor on the child’s ear.

Be careful not to use too much force when you turn the battery pack cover lock.
DL-Coil Cover with Cable Lock
The DL-Coil cover is available in a locking version for additional security. When the safety coil cover is attached to the base, the coil cable cannot be detached from the coil. This feature minimises interruptions in hearing by preventing inadvertent disconnection of the coil cable.

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 SONNET and extend its life.

General Cleaning
Clean SONNET 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 and microphone covers.

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.

Microphone Covers
If the microphone covers get wet, wipe them dry or replace them. Replace the microphone covers every three months, or sooner if they appear dirty or if sound quality has worsened.
Drying
Use the drying kit every night to allow SONNET 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 SONNET from excessive or unnecessary exposure to water. If your audio processor gets wet, gently wipe it dry with a soft absorbent cloth.

Sunlight
Don't leave SONNET 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 SONNET and change the batteries. If that doesn't solve the problem, go to 2.
2. Disassemble your SONNET into five parts: control unit, battery pack frame, battery pack cover, coil cable, and DL-Coil. (For guidance, see pages 2–3.) Do not disassemble the DL-Coil.
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 30–31.) If any parts appear damaged, contact your CI centre for assistance.
4. Reassemble SONNET. (See instructions on pages 2–3.) If your audio 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 SONNET.
2. Place the flat side of the DL-Coil under the Speech Processor Test Device.
3. Speak into the SONNET microphones. 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 microphones.
   If the indicator light doesn't flicker, go to 5.
5. Change the batteries and speak into the microphones.
   If the indicator light doesn't flicker, go to 6.
6. Replace the coil cable.

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