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## SONNET® CI and EAS Audio Processors

![Diagram of CI and EAS Audio Processors]

- Indicator Light
- Microphones
- Microphone Cover
- Control Unit
- Battery Pack
- D Coil
- EAS Earhook
- CI Earhook
- Battery Pack Cover
- Lock
- Coil Cable
- Air Inlets
Basic Assembly

1. Attach the battery pack frame to the control unit.
2. Plug the coil cable into the control unit.
3. Insert the batteries with positive (+) poles facing out and slide on the battery pack cover.
4. Connect the coil cable to the D Coil.

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

Note the correct orientation of the coil cable socket.

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

Your SONNET is now turned on.

Battery Pack Cover Lock

Unlocked

Locked

Note the correct orientation of the coil cable socket.
SONNET Earhook

**Detaching**

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

   ![Image of earhook removal]  

   If you have SONNET EAS, a hearing aid acoustician will fit your earhook with an ear mould.

2. Remove the earhook by gently pushing it down.

   ![Image of earhook removal]  

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

   ![Image of earhook attachment]  

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

   ![Image of earhook attachment]  

SONNET Microphone Cover

**Detaching**

1. Remove the earhook.

   ![Image of microphone cover removal]  

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

   ![Image of microphone cover removal]  

**Attaching**

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

   ![Image of microphone cover attachment]  

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

   ![Image of microphone cover attachment]  

   Make sure that the microphone cover pins have been inserted before you proceed to step 2.
Status

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

Warning

Problem

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

Solution

Programming failure, temporary error, or electronic malfunction.

Error Pattern

Problem

Solution

1. Turn processor off. 2. Turn processor back on. Select another setting.

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

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

---

**Indicator Lights**

1. **Volume**  
2. **Default Volume and Sensitivity**  
3. **Sensitivity**  
4. **Input Selection**  
5. **Processor Selection**  
6. **Keypad Lock**

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**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.

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**Activating the Keypad Lock**

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

**Deactivating the Keypad Lock**

1. Press the (橙) 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 (橙) key. The amber lights will blink to indicate that your FineTuner is unlocked.

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

**Meaning**

- 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 repeatedly blink three times.
- 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.

**Explanation**

- If you press any key while the FineTuner is locked, the red indicator lights will turn on.
- 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.
- 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.
- Press for more than 5 seconds to activate programming mode. The 3 indicator lights will flash alternately.
- If batteries are low, the red indicator light in the centre will repeatedly blink three times.
- 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 SONNET. We recommend using zinc-air batteries that are designed especially for hearing implant systems. When you use SONNET with the WaterWear accessory, however, you must substitute zinc-air batteries with one of the other types.

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum battery life</th>
<th>Requires oxygen supply</th>
<th>Compatible with WaterWear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>675 Zinc-Air Batteries</strong></td>
<td>60 hours</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>675 Silver-Oxide Batteries</strong></td>
<td>10 hours</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>675 Alkaline Batteries</strong></td>
<td>8 hours</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>675 Rechargeable Batteries</strong></td>
<td>8 hours</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

SONNET

**Batteries**

- Zinc-Air Batteries
- Silver-Oxide Batteries
- Alkaline Batteries
- Rechargeable Batteries

- Requires oxygen supply:
  - Yes
  - No

- Compatible with WaterWear:
  - Yes
  - No
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

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
3-Pin FM Port

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.

FM Battery Pack

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.)

SONNET will automatically detect sound signals as soon as the FM system is activated.

Audio Adapter Cables

- Unilateral Mix
- Unilateral Ext.
- Bilateral Mix
- Bilateral Ext.

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.
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.

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.

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 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 22–23.) If any parts appear damaged, contact your CI centre for assistance.
4. Reassemble SONNET. (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 SONNET.
2. Place the flat side of the D 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.