Naída CI Q70
Sound Processor User Guide

PROCESSOR DESCRIPTION

Naída CI Q70 Sound Processor
The Naída CI Q70 (Naída CI) is uniquely designed as a smaller ear-level processor with AB and Phonak technology inside to allow the best possible hearing at home and at school.

What are the New Features in the Naída CI Q70 Sound Processor?

Processor Features
• 5 program slots
• 4 microphone options
• 3 rechargeable battery options
• 2 disposable battery options
• Improved battery life
• Internal alarms
• AB myPilot remote control
• Bilateral Initialization – The Naída CI does not have to be labeled as right side and left side for children bilaterally implanted. This feature must be activated by the child’s audiologist.
• Datalogging – allows the audiologist to monitor how the Naída CI is being used on a daily basis

Connectivity
• Wireless connectivity to FM/Roger systems and other electronics used in the classroom

Naída CI Listening Check™ Accessory
• Allows the caregiver or teacher to listen to and verify the clarity of the Naída CI microphones and other sound sources

Phonak Technology Features
• UltraZoom** Feature – unilateral/bilateral feature that allows the child to focus on voices in front, while noise from the side and back is reduced
• QuickSync** Feature – bilateral feature that instantaneously changes programs or volume on both processors with one touch
• DuoPhone** Feature – bilateral feature that allows streaming phone calls to both ears
• ZoomControl** Feature – bilateral feature that allows the ability to focus on sound coming from the right or the left
** These features are available for all Naída CI users but more likely to be active for children who are able to manage processor settings independently

Child-Friendly Features
• Programmable, multi-color light-emitting diode (LED) indicators
• Tamperproof options to protect a child from inadvertently swallowing small parts
• Ability to lock volume and program settings to avoid accidental changes
• Flexible options for wearing the processor
• AutoSound™ processing

AB makes it SIMPLE FOR SCHOOLS:
AutoSound™ processing automatically adapts to the changing listening environments at school, allowing children to hear every sound from whispers in the library to friends talking in the lunch room.

• Intellilink™ safety feature
• Telecoil
• Waterproof with use of the AquaCase™ accessory and AquaMic™ headpiece
• Ability to use all approved sound processing options offered by Advanced Bionics

Tools for Schools™ Program Resources

AB makes it SIMPLE FOR SCHOOLS:
The use of Intellilink prevents accidental stimulation from a processor that attempts to communicate with the wrong internal device.
NAÍDA CI Q70 SOUND PROCESSOR AT A GLANCE

This diagram will help you identify the parts of the Naida CI.

STEPS FOR EVERYDAY USE

Step 1

**Turn on the Naída CI:**
Slide a fully charged battery onto the Naída CI. When the battery is engaged the LED (located in the middle of the volume control) will flash ORANGE to indicate battery status. Three to four ORANGE blinks indicate the battery is sufficiently charged to power the Naída CI. The ORANGE blinks will be followed by one quick GREEN blink to indicate the Naída CI is in program one.

**To turn off the Naída CI:** Remove the battery.

*Note:* Do not force the battery onto the Naída CI. The batteries are designed to be inserted in only one direction; applying force may damage the equipment.

**What information do I need to help maximize my student’s success in the classroom?**
- What program number should be used in the classroom for everyday listening?
- What program number should be used for FM/Roger or T-Coil use?

**For older children**
- Is the QuickSync feature active?
- Do any of the student’s programs contain the UltraZoom feature or ZoomControl feature?
**Step 2**

*Connect the Universal Headpiece (UHP) and/or verify proper headpiece connection:*

Verify that the headpiece cable is plugged into the UHP and Naída CI. Check that the cable is not twisted or frayed. Inspect the cable on a regular basis to ensure it is in good condition. If it appears damaged, replace it with a new cable.

**Attaching the headpiece cable to the UHP:**

1. **Hold the UHP in one hand and the headpiece cable in the other hand.**
2. **Push the headpiece cable firmly into the UHP.**

**Attaching the headpiece cable to the Naída CI:**

1. **Hold the Naída CI in one hand and the headpiece cable in the other hand.**
2. **Push the headpiece cable straight into the Naída CI connector port.**

**Step 3**

*Verify the correct program is selected:*

The Naída CI will always default to program 1 when it is powered on. If P1 is the child’s everyday program, no further changes are necessary.
Step 3 cont.

If you would like to change programs, push the program button down briefly and then release the button. The LED will display 1, 2, 3, 4, or 5 GREEN blinks depending on how many programs are stored in the Naída CI sound processor. The number of green blinks displayed indicates which program is in use.

Step 4

Verify the volume is on the proper setting:

The Naída CI will always default to program 1 with the volume set at the child’s standard volume setting when it is powered on. If the child is using their standard volume setting, no changes to the volume are necessary.

If you would like to increase the volume, briefly tap the top of the volume control. To decrease the volume, briefly tap the bottom of the volume control.

Step 5

Ensure the Naída CI is in a comfortable position behind the ear or is securely fastened in the child’s preferred wearing style.

Step 6

Ensure the UHP is positioned over the internal implant (you will feel the magnetic attraction).

Step 7

Perform a behavioral listening check, using The Ling Six Sound Check or another listening activity.

PROCESSOR BASICS

Program Button

The Naída CI can store up to five (5) programs. If fewer than five programs are stored, there are no empty program slots. The program button is pressed down briefly and released to change programs. The number of GREEN blinks displayed on the LED indicates which program is in use. The Naída CI will always default to program 1 when it is powered on. To change programs, push the program button down briefly and then release the button. The programs will switch in a chronological order; once it reaches the final program, it will return to the first program. The program button can be disabled. Speak with the child’s family or audiologist to determine if the program button has been disabled.
**Volume Control**

Volume Control allows the loudness level to be adjusted. Pressing the top of the button increases the volume, while pressing the bottom of the button decreases the volume. Ten (10) presses on the top portion of the volume control will take you to the maximum volume output, while 10 presses on the bottom portion of the volume control from the baseline volume position will take you to the minimum volume output.

The audiologist has the ability to restrict or disable the volume range. Programming the volume range in this manner prevents accidental changes in loudness (either too soft or too loud), which could compromise the child’s hearing.

**The Universal Headpiece (UHP) and Headpiece Cable**

The UHP contains a coil that transmits sound signals and power to the internal implant, as well as a magnet well, which houses the necessary number of magnets to ensure the headpiece stays on throughout the day. The headpiece is covered by a Color Cap, which snaps securely in place. The headpiece has a microphone in it, that when activated, picks up sound from the environment and transfers it to the Naída CI sound processor via the cable. Once the Naída CI has converted the sound into digital signals, it sends the information to the internal implant via the cable and headpiece. The cables come in a variety of colors and lengths to suit all needs.

**Microphones**

*The Naída CI has four microphones:*

- Front Mic
- Rear Mic
- Headpiece Mic
- T-Mic™ 2 Microphone

The audiologist can set each program to utilize the microphones in different configurations. Check with the child’s family or audiologist if you have questions about microphone usage.

**AB makes it SIMPLE FOR SCHOOLS:**

The volume control can be disabled or restricted so accidental taps to the volume control do not result in sound becoming too soft or overly loud.
Earhook Options

**Standard Earhook**
The Earhook holds the Naida CI sound processor on the child’s ear.

**T-Mic™ 2 Microphone**
The T-Mic 2 is an integrated earhook and microphone combination. The microphone is omnidirectional (accesses sound from all directions) and is designed to fit in the open-bowl portion of the ear, near the entrance to the ear canal. It is available in small, medium, or large sizes. The T-Mic 2 has an additional mic saver component to protect the mic from dirt, dust, and debris.

The T-Mic 2 is appropriate for everyday use and, due to the natural positioning of the microphone, may provide improved benefit in difficult listening situations such as noisy environments or while on the telephone.

*NOTE:* The T-Mic wires are non-formable. Avoid bending the T-Mic as this can shorten its lifespan.

Battery Options

The Naida CI can be used with either a rechargeable PowerCel™ battery (available in three sizes; 110, 170, and 230), a Zinc-Air Cartridge (two disposable 675 high power Zinc-Air batteries) or the AAA PowerPak power option. Individual operating times vary, depending on certain characteristics of the implant user’s setting, but the following guidelines may be helpful:

<table>
<thead>
<tr>
<th>Option</th>
<th>Battery Capacity</th>
<th>Operating Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three Rechargeable PowerCel Options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110 mAh</td>
<td>12h</td>
<td>Up to 17h</td>
</tr>
<tr>
<td>170 mAh</td>
<td>18h</td>
<td>Up to 27h</td>
</tr>
<tr>
<td>230 mAh</td>
<td>25h</td>
<td>Up to 36h</td>
</tr>
<tr>
<td>Zinc-Air Battery Pak</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2x675 mAh</td>
<td>31h</td>
<td>Up to 56h</td>
</tr>
<tr>
<td>AAA PowerPak</td>
<td></td>
<td></td>
</tr>
<tr>
<td>129h</td>
<td>Up to 183h</td>
<td></td>
</tr>
</tbody>
</table>

**AB makes it SIMPLE FOR SCHOOLS:**
The T-Mic™ 2 microphone allows children to use headphones in the classroom, just like everyone else.
Bilateral Initialization

It is no longer necessary to label processors as right side and left side. The Naida CI sound processor can detect which ear it is worn on automatically and provide access to the appropriate programs for that ear (the feature must be activated by an audiologist).

INDICATORS FOR STATUS CHECK AND TROUBLESHOOTING

Tri-Color Light Emitting Diode (LED)

The Naida CI is equipped with a built-in Light Emitting Diode (LED) Status Indicator. The LED is a diagnostic light that provides caretakers and teachers with information regarding the functionality of the Naida CI. The LED is located in the middle of the Volume Control and can be programmed to provide the following information:

### Naida CI Q70 Sound Processor LED Indications

<table>
<thead>
<tr>
<th>Color</th>
<th>Behavior</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Orange</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blinks at start-up</td>
<td>4 quick blinks indicate that the battery is fully charged. 2 - 3 quick blinks indicate that the battery is sufficiently charged to power the Naida CI.</td>
<td>1 quick blink indicates that the battery is nearly depleted. No blinking indicates depleted battery. Replace with charged or new battery.</td>
</tr>
<tr>
<td>Solid</td>
<td></td>
<td>The battery is almost depleted</td>
</tr>
<tr>
<td>Blinks twice every three seconds</td>
<td>The battery is almost depleted and cannot support stimulation (Sleep Mode)</td>
<td></td>
</tr>
<tr>
<td>Fades out</td>
<td>The Naida CI is entering Standby Mode</td>
<td></td>
</tr>
<tr>
<td><strong>Red</strong></td>
<td>Blinks once per second</td>
<td>Loss of lock with the implant</td>
</tr>
<tr>
<td>Blinks rapidly (more than once per second)</td>
<td>Intellilink™ feature enabled and the Naida CI is connected to the wrong implant</td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>Sound processor error condition. Fully remove and re-insert the battery to reset processor</td>
<td></td>
</tr>
<tr>
<td>Blinks five times</td>
<td>Response to the AB myPilot remote control request to ‘Find Paired Devices’. The Right paired device will identify itself with this LED pattern.</td>
<td></td>
</tr>
<tr>
<td><strong>Green</strong></td>
<td>Flickers in response to loud inputs</td>
<td>The sound processor and microphone are responding to sound</td>
</tr>
<tr>
<td>Blinks at start-up, after battery status, and upon program change</td>
<td>1 blink indicates program one. 2 blinks indicate program two. 3 blinks indicate program three.</td>
<td>4 blinks indicate program four. 5 blinks indicate program five.</td>
</tr>
<tr>
<td>Solid</td>
<td>A processor that is not yet programmed</td>
<td></td>
</tr>
<tr>
<td>Blinks four times</td>
<td>Response to the AB myPilot request to ‘Find Paired Devices’. The Left paired device will identify itself with this LED pattern.</td>
<td></td>
</tr>
</tbody>
</table>

Intellilink™ Safety Feature

Intellilink is an important safety feature for AB recipients that ensures a sound processor only stimulates the correct internal device. It prevents accidental stimulation from a processor that attempts to communicate with the incorrect implant.
Naida CI Listening Check™ Accessory

The Naida CI Listening Check allows caregivers or teachers to verify the clarity of microphones and other sound sources (such as FM/Roger) programmed for use with the Naida CI sound processor on a program-by-program basis.

To verify the clarity of sound sources not actively programmed for use with the Naida CI, the Naida CI Listening Check must be used in combination with the AB myPilot remote control.

For detailed instructions on using the Naida CI Listening Check please see the Tools for Schools System Check Guide.

AB myPilot Remote Control

The AB myPilot is an easy-to-use remote control that offers status information and one-touch changes to programs, volume, and sensitivity settings.

For detailed instructions on using the AB myPilot please see the Tools for Schools System Check Guide.

Datalogging

Datalogging is a tool that provides the audiologist with information that may help to counsel families on the use of the Naida CI processor and evaluate any programming changes that might need to be made. The audiologist will be able to determine how the Naida CI is being used on a daily basis, including which programs and features were used, what volume settings were used, and the different listening environments the child encountered throughout the day.

FLEXIBLE WEARING OPTIONS

All on the ear: The Naida CI processor’s featherweight, sleek design can be worn comfortably behind-the-ear.

Some on the ear: With use of the PowerCel Adapter and AAA PowerPak power option.

Nothing on the ear: With use of the Naida CI Clip.

Note: The headpiece microphone must be activated by the child’s audiologist when the Naida CI is worn off the ear.
OPTIONS FOR CONNECTIVITY

Natural Connectivity with the T-Mic™2 Microphone

The T-Mic 2 places the microphone at the opening of the ear allowing children to use headphones and other devices simply by wearing them over the ear like any other child in the classroom.

FM/Roger

There are several options for wireless FM/Roger use with the Naída CI processor:

- The PowerCel™ 170 battery with the Phonak Roger 17 receiver.
- The Naída CI built-in Telecoil in conjunction with a Phonak myLink+ or a looped room.
- Through the use of the Phonak ComPilot accessory with the Phonak MLxi or Roger X receiver.

Telecoil

The Naída CI contains a built-in Telecoil (T-Coil) option that can be enabled and downloaded to any of the processor’s five program slots. Contact the child’s family or audiologist to determine if this feature is active and which program slot has the telecoil activated. In order for T-Coil to be effective, the child must have access to a looped system. This will allow the T-Coil to receive the electromagnetic field generated by these devices. If the child is attempting to use the T-Coil with a non-compatible audio device, they may hear no sound or a low-level humming or buzzing noise.

OTHER HELPFUL RESOURCES

These recommendations were created specifically for school professionals. Advanced Bionics has several other resources you can consult for additional support.

- To speak with Advanced Bionics directly about a troubleshooting issue or if you have any other questions, please contact an an AB representative at 866-844-Hear (4327) or visit ToolsforSchools@AdvancedBionics.com.
- Visit our YouTube home page at youtube.com/advancedbionics and click on the “Naída CI Q70 Instructional Videos”.
- Download the FREE myNaída CI app, available for both iPad® and Android™ devices, from iTunes® or Google Play™ digital distribution platforms.

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