

TOOLS for SCHOOLS™ Program



The Naída CI Sound Processor

Name _____



Advanced Bionics



Advanced Bionics



 **PHONAK** | Partners for Better Hearing



Tools for Schools

Today's presentation is just one of many valuable FREE resources provided by Advanced Bionics' Tools for Schools™ program (TFS™).

The goal of the TFS program is to:

- Help school aged children with cochlear implants succeed in the classroom.
- Ease your workload and save you time.
- Educate parents and professionals about CI technology.
- Provide support for effective teaming between the School, CI center and Home.

Visit www.advancedbionics.com/tfs to learn more.



What you will learn today

- The Naída CI Sound Processor
- Processor Basics
- Steps for Everyday Use
- Indicators for System Checks and Troubleshooting
- Care and Maintenance
- Connectivity
- Advanced Technology





The HiResolution™ Bionic Ear System

Naída CI Sound Processor

The ultimate in
behind-the-ear wearing



Neptune™

Swimmable sound processor

HiRes 90K™ Advantage Implant

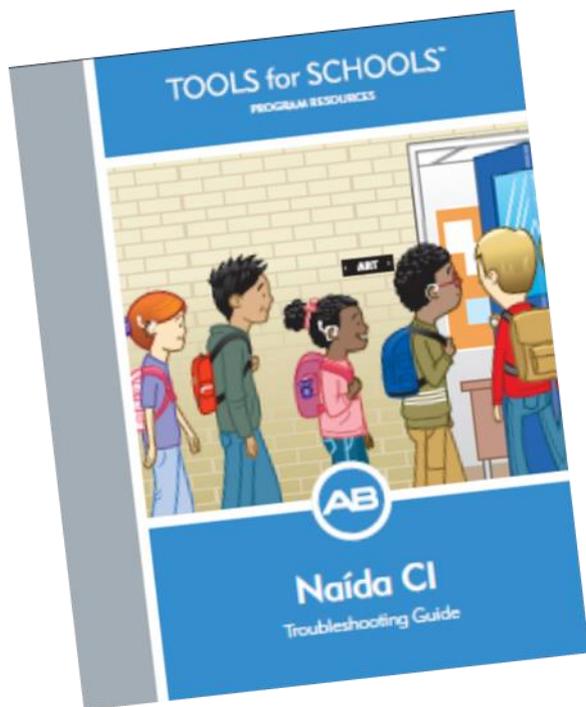
The world's most advanced technology



AB MAKES IT SIMPLE FOR SCHOOLS!

Supporting Resources

www.advancedbionics.com/tfs



TOOLS for SCHOOLS™
PROGRAM RESOURCES

Naída CI System Check

Completing a System Check for the Naída CI sound processor gives caregivers and teachers assurance that a child's cochlear implant system is working properly, allowing the child the best access to sound. Performing a System Check will verify sounds coming through the Naída CI and also let children see what they are unable to provide the feedback that we see. Both the Naída CI Listening Check™ accessory and AB myFit remote control, in combination with the Naída CI Listening Check, can be used to complete a Naída CI System Check.

To perform a System Check, you will need:

- Naída CI
- Charged PowerGel™ or Fresh2™ or High power IP5 batteries
- Softbuds
- Naída CI Listening Check
- AB myFit
(If you wish to test each sound source independently)

UNDERSTANDING THE DIFFERENT NAÍDA CI SOUND SOURCES

There are several different sound sources that can be tested when completing a System Check.

1. Naída CI headphones (Fresh2™, Talk™ CI headphones and Headphones HD)
2. T-Coil
3. Wireless (such as ClearFit™ necessary)
4. Air (such as Air Ring™ - optional)

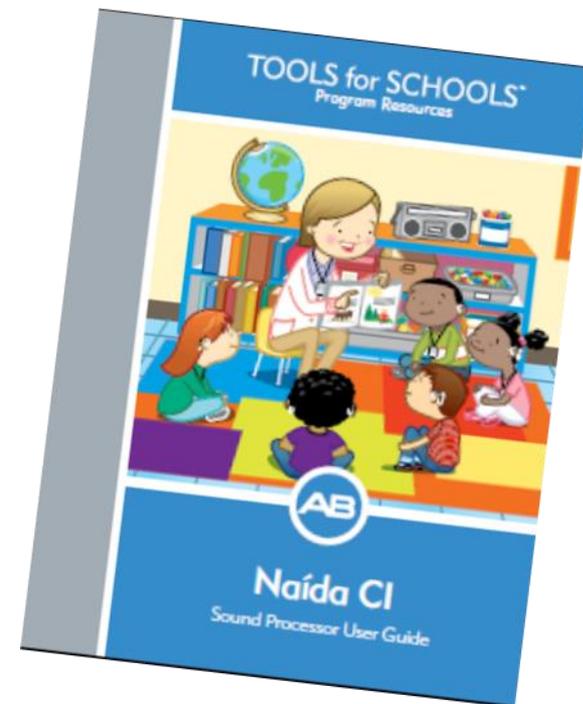
The table highlights how we utilize the different sound sources as in program by program mode. Check with the child's family or audiologist for instruction on how sound sources are used in each program.

NAÍDA CI MICROPHONES
Phonak SmartMicrophone Technology (Open and non-omnidirectional)

TOOLS for SCHOOLS™

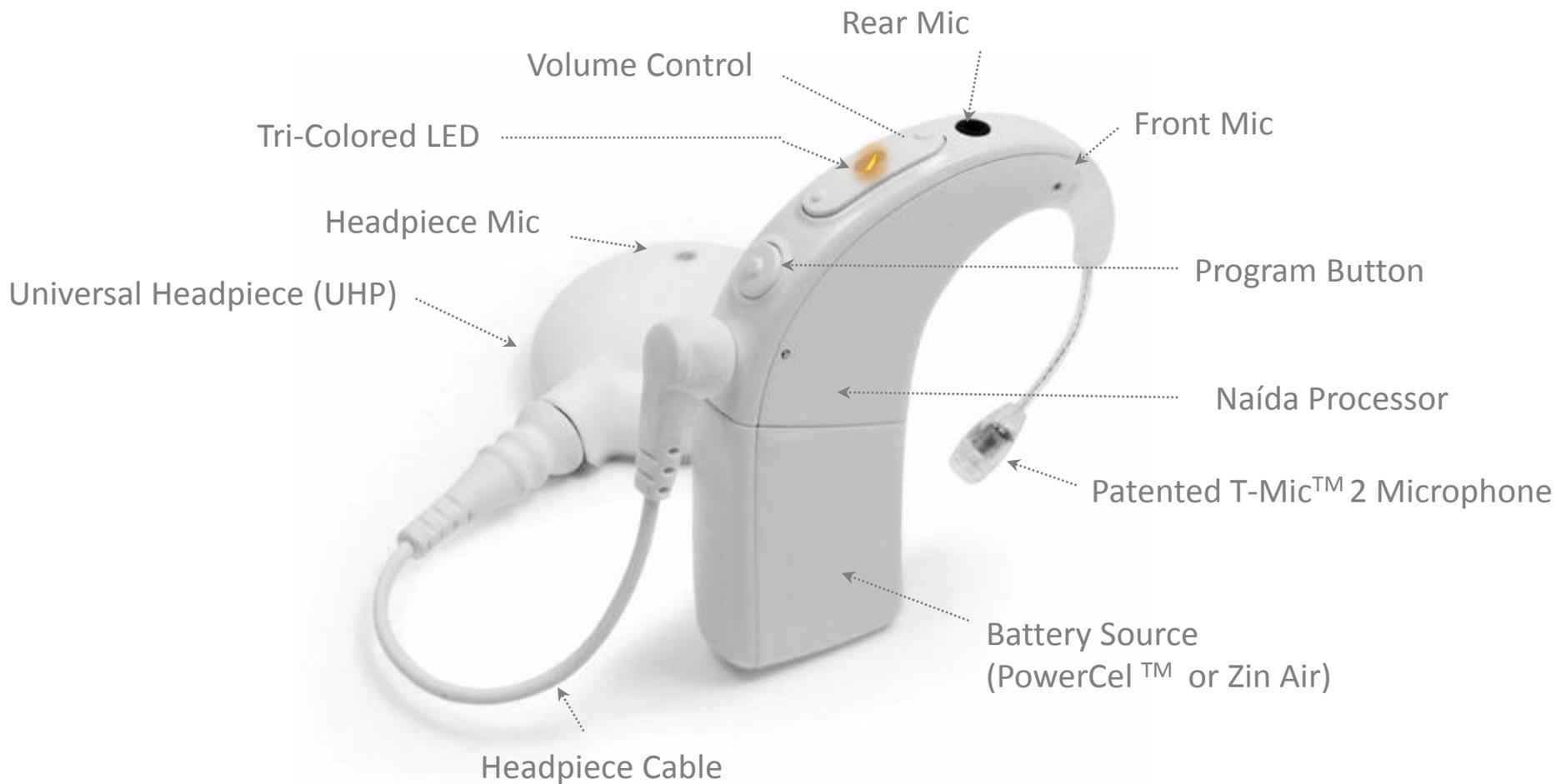
Naída CI
Sound Processor User Guide

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Naída CI Sound Processor





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Processor Basics

Program Button

- Stores up to five (5) programs
- Push the program button down briefly and then release the button to change programs
- The number of GREEN blinks displayed on the LED indicates which program is in use
- The programs switch in a chronological order; once it reaches the final program, it will return back to the first program
- The program button can be disabled by the child's audiologist

Program Button





AB MAKES IT SIMPLE FOR SCHOOLS!

Did you know??

You do not need to change your student's programs for the different listening environments they encounter at school

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



Processor Basics

Volume Control

- To increase the volume, briefly tap the top of the volume control. To decrease the volume briefly tap the bottom of the volume control.
- The audiologist has the ability to restrict or disable the volume range





AB MAKES IT SIMPLE FOR SCHOOLS!

Did you know??

The Naída CI will always default to program 1 at the child's standard volume setting when it is powered on.

If P1 with standard volume is the child's everyday program no setting changes are necessary to the Naída CI after the battery is attached!



Processor Basics

The Universal Headpiece (UHP) and Headpiece Cable

- Transmits power to the internal implant
- Contains a microphone which, when activated, picks up sound from the environment and transfers it to the Naída CI
- Covered by a Color Cap, which snaps securely in place
- Cables come in a variety of colors and lengths to suit all needs





Processor Basics

Microphones

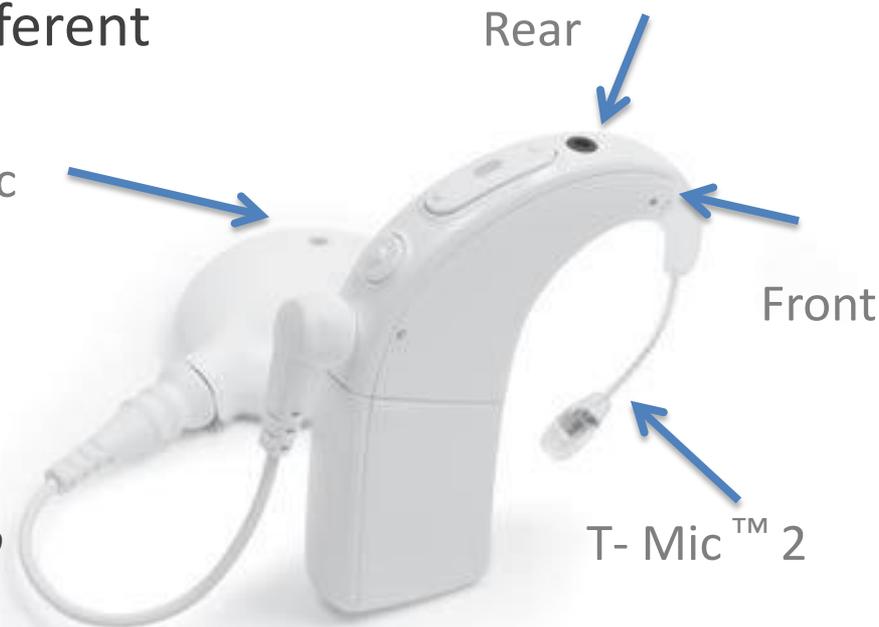
- The Naída CI has four microphones
- The audiologist can set each program to utilize the microphones in different configurations

Headpiece Mic

Rear

Front

T- Mic™ 2



Check with the child's family or audiologist to determine which microphones are active in each program



Processor Basics

Earhook Options

Standard Earhook



T-Mic™ 2 Earhook





Processor Basics

Power Options

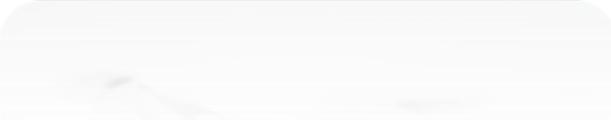


4 rechargeable options

- 110 mini mAh
- 170 mini mAh
- 170 mAh (Can be used with Roger 17)
- 230mAh

2 disposable options

- Zinc-Air battery – 2 high powered CI 675
- AAA PowerPak – 3 AAA



110 mini mAh



170mini mAh



230mAh



Zn-Air battery Pak



AAA PowerPak



Processor Basics



Battery Type	Average (hours)	Range (hours)
2 Zinc-Air Cartridge	31	56
110 Mini PowerCel™	12	17
170 Mini PowerCel™	18	27
170 PowerCel™ with FM	12	16
230 PowerCel™	25	36
AAA PowerPak	129	183



Processor Basics

Options for Wearing the Power Supply Off the Ear



Naída CI Power Adapter



Naída CI Clips



AAA PowerPak Accessory

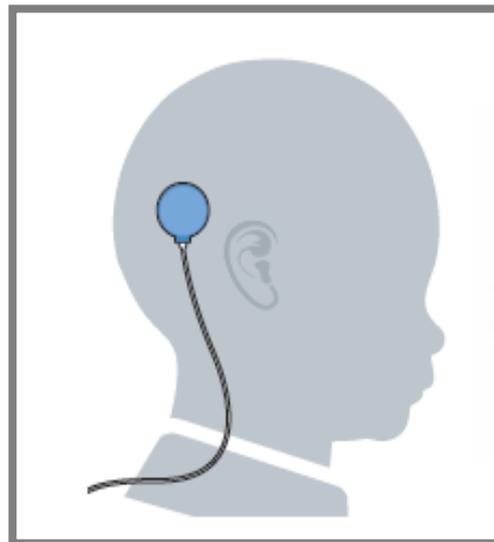


Processor Basics

None on the Ear



Naida CI Clip



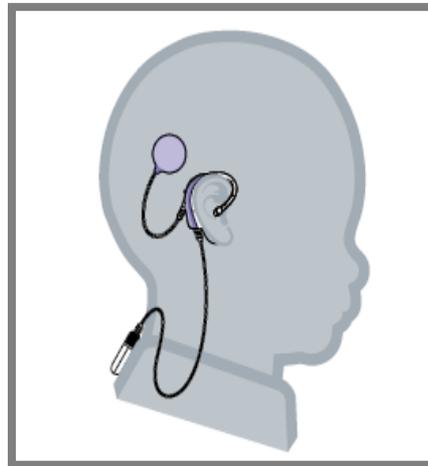


Processor Basics

Some on the Ear



Naída CI Power Adapter





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Steps for Everyday Use

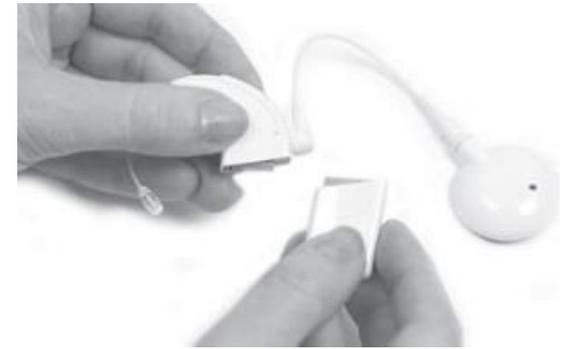
1. Turn on processor
2. Confirm the UHP and headpiece cable are firmly connected to the Naída CI
3. Verify the correct program is selected
4. Verify the volume is on the proper setting
5. Place the Naída CI on the child in the child's preferred wearing style
6. Ensure the UHP is positioned over the internal implant
7. Perform a behavioral listening check



Steps for Everyday Use

Step 1: Turn on the Naída CI

- Turn on the Naída CI by sliding on a fully charged battery
- The LED will flash ORANGE to indicate battery status
- 3-4 ORANGE blinks indicates the battery is sufficiently charged to power the Naída CI
- The ORANGE blinks will be followed by 1 quick GREEN blink to indicate the Naída CI is in program 1
- To turn off the Naída CI remove the battery



Attach Battery

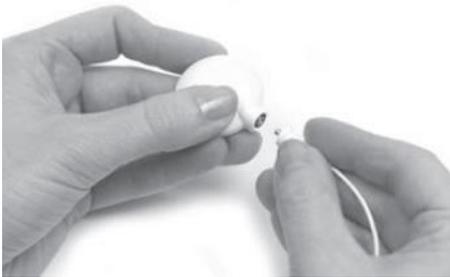




Steps for Everyday Use

Step 2: Confirm the UHP and headpiece cable are firmly connected to the Naída CI

- Verify that the headpiece cable is firmly plugged into the UHP and Naída CI
- Check that the cable is not twisted or frayed





Steps for Everyday Use

Step 3: Verify the correct program is selected

- The Naída will always default to program 1 at the child's standard volume setting when it is powered on.
- If program 1 is the child's everyday program no further changes are necessary.
- 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. The number of GREEN blinks displayed indicates which program is in use

Program
Button

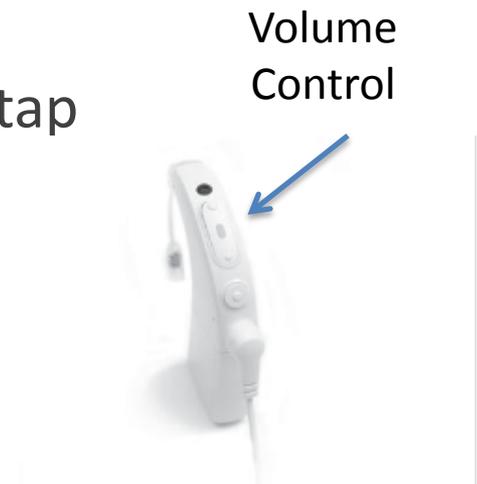




Steps for Everyday Use

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.

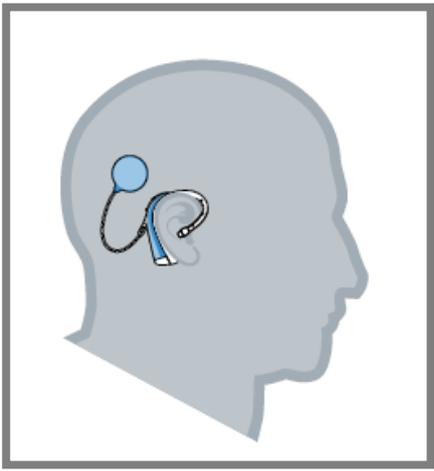




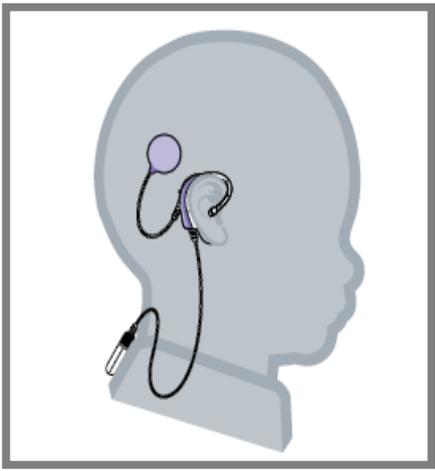
Steps for Everyday Use

Step 5: Ensure the Naída CI is securely fastened in the child's preferred wearing style

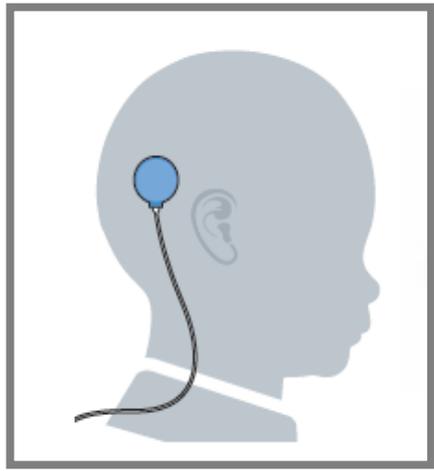
All on the ear



Some on the ear



None on the ear



Step 6: Place the UHP over the internal implant

You will feel a magnetic attraction



Steps for Everyday Use

Step 7: Perform a behavioral listening check, using the Ling Six sound check or another listening activity.

TOOLS for SCHOOLS™

THE LING SIX Sound Check

What is the Ling Six Sound Check?

The Ling Six Sound Check is a simple, quick, and easy-to-use listening assessment tool for use in the classroom. It is designed to be used by teachers and other professionals who are responsible for the hearing and communication of children. The Ling Six Sound Check is a simple, quick, and easy-to-use listening assessment tool for use in the classroom. It is designed to be used by teachers and other professionals who are responsible for the hearing and communication of children.

Child's Name	Teacher's Name
_____	_____
_____	_____
_____	_____

How do I Complete the Ling Six Sound Check?

- Tell the child you are going to do a listening test.
- Sit the child in a quiet area of the classroom.
- Tell the child you are going to say six words.
- Say the words: "Ling, Six, Sound, Check, Test, and Six."
- Ask the child to repeat the words.
- Record the results on the form.
- If the child does not hear the words, repeat the test.
- If the child hears the words, but does not repeat them correctly, repeat the test.
- If the child hears the words and repeats them correctly, the test is complete.

Additional Information:

Download the Teacher's Manual and Student Manual from the website: www.toolsforschools.com

For more information, contact:

Tools for Schools, Inc. 10000 E. 1st Avenue, Suite 100, Denver, CO 80231
 Phone: 303.755.1234 Fax: 303.755.1235
 Email: info@toolsforschools.com Website: www.toolsforschools.com





AB MAKES IT SIMPLE FOR SCHOOLS!

Did you know??

AB makes it Simple for Schools by providing FREE and easy downloadable instructions and pictures to conduct a Ling 6 Sound assessment.

Visit AdvancedBionics.com/tfs and click on Tools for Using the Ling 6 Sounds under Educational Support





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Indicators for System Checks and Troubleshooting

Indicators for Naída CI

- Tri-Color LED
- Internal Alarms
- Intellilink™ Safety Feature
- Listening Check™ Accessory
- AB myPilot Accessory
- Data logging



Indicators for System Checks and Troubleshooting

Tri-Color LED

FEATURE	COLOR
Battery Status	Orange
Microphone Status	Green
Program Position	Green
CI Status	Red





Indicators for System Checks and Troubleshooting

ORANGE BEHAVIOR	BATTERY STATUS
Blinks at start up	<ul style="list-style-type: none">• 4 quick blinks battery is fully charged• 2-3 indicates that the battery is sufficiently charged to power the Naída CI• 1 quick blink indicates the battery is nearly depleted• No blinking indicates depleted battery
Solid	The battery is almost depleted
Blinks twice every 3 seconds	The battery is almost depleted and cannot support stimulation
Fades Out	The Naída CI is entering Standby Mode



Indicators for System Checks and Troubleshooting

GREEN BEHAVIOR	MICROPHONE/PROGRAM POSITION
Flickers in response to loud input	The sound processor and microphone are responding to sound
Blinks at start-up after battery status and upon program change	<ul style="list-style-type: none">• 1 blink indicates program one• 2 blinks indicates program two• 3 blinks indicates program three• 4 blinks indicates program four• 5 blinks indicates program five
Solid	A processor that is not yet programmed
Blinks 4 Times	Response to the AB myPilot request to “Find Paired Devices”. The Left paired device will identify itself with this LED pattern.



Indicators for System Checks and Troubleshooting

RED BEHAVIOR	CI STATUS
Blinks once per second	Loss of lock with the implant.
Blinks rapidly (more than once per second)	Intellink™ is enabled and the Naída CI is connected to the wrong implant
Solid	Sound Processor Error Condition. Fully remove and re-insert the battery to reset processor
Blinks 5 Times	Response to AB myPilot request to “Find Paired Devices”. The Right paired device will identify itself with this LED pattern



Indicators for System Checks and Troubleshooting

Internal Alarms

ALARM	INDICATION
Beeps upon program change	1 beep indicates program 1 2 beeps indicates program 2 3 beeps indicates program 3 4 beeps indicates program 4 5 beeps indicates program 5
Short beep upon increase or decrease of volume	Beeps once per press of the volume control either up or down (a double beep will be heard when the following settings are reached: top of volume range; baseline setting; bottom of volume range)
Long beep once every 15 minutes	Low Battery



Indicators for System Checks and Troubleshooting

Intellilink™

- Safety Feature
- Ensures the Naída CI only stimulates the correct internal device
- Prevents accidental stimulation from a wrong ear processor for a bilateral user or processor that belongs to another child
- The Naída CI LED will blink **RED** rapidly (more than once per second) to indicate it is connected to the wrong internal device



Indicators for System Checks and Troubleshooting

Listening Check™

- Verifies the Naída CI sound sources are working properly when children are unable to provide this feedback themselves
- Any sound source that is programmed for use with the child's Naída CI can be verified
- Sound Sources can include,
 - 4 Naída CI microphones
 - Wireless (via ComPilot)
 - FM/Roger™
 - TCoil





To view a video on how to use the Listening Check
copy this link into your browser

[https://www.youtube.com/watch?v=74Qv_6dijxo
&feature=youtu.be&list=PLo1a43uJmTy1YuYTDV9
0BXC5WAZI90Iw](https://www.youtube.com/watch?v=74Qv_6dijxo&feature=youtu.be&list=PLo1a43uJmTy1YuYTDV90BXC5WAZI90Iw)

Or visit YouTube and search for “Naida Listening
Check”



Indicators for System Checks and Troubleshooting

AB myPilot Accessory

- Easy to use remote control
- One touch changes to program, volume, and sensitivity changes
- Provides Device Status Check and Battery Status Check information
- Can be used to complete a listening check in combination with the Listening Check Accessory





Indicators for Status Check and Troubleshooting

Data logging

- Allows the audiologist to see data about how the Naída CI is being used on a daily basis
- The Audiologist can use this information to make programming changes to help the child maximize use of their device
- Can obtain information about
 - What programs and features are being used
 - What volume setting is being used
 - The different listening environments the child encounters throughout the day



AB MAKES IT SIMPLE FOR SCHOOLS!

Did you know??

AB recommends you obtain the following information from the child's audiologist to effectively manage your student's equipment in the classroom:

1. What program should be used for everyday listening?
2. What program should be used for FM/Roger™ or T-Coil use?



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Care and Maintenance

Preventative Maintenance Tips

- Store extra equipment in a Zephyr Dry & Store[®].
- Run equipment through one drying cycle (8hrs) nightly.
- If a Zephyr Dry & Store[®] is not available, keep extra equipment in the Naída CI case.
- If you do not have the case you can use another sealed container or a Ziploc bag.
- To keep battery contacts from accumulating debris attach Naída CI PowerCel battery covers to the PowerCel batteries when they are not in use.
- The covers can be ordered from Customer Service at 877-829-0026 (US and Canada).





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Connectivity

Connectivity Options

- T-Mic 2™
- FM/Roger™
- ComPilot
- T-Coil





Connectivity

Natural Connectivity with the T-Mic 2™

- Natural placement for headset, ear buds, or cell phones
- Access to commercially available audio devices





Connectivity

Wireless FM/Roger™

Phonak ComPilot



Can be used with
Phonak's Roger X
receiver

170 mAH battery



Can be used with Phonak's
Roger 17 receiver

Roger 17 is compatible with the PowerCel 170.
It can not be used with the PowerCel mini 170.



Connectivity

ComPilot

Stream
Audio



Stream
Roger™



Stream
Bluetooth
Phone



Stream TV



Stream
Speech





Connectivity

T-Coil

- Wireless connectivity to looped rooms or devices with electromagnetic energy
- The T-coil can be enabled in a particular program by the child's audiologist
- Can be used for wireless access to FM or Roger™ in conjunction with the MyLink+ or Roger™ MyLink
- Access to bilateral/bimodal FM/Roger™



MyLink



AB MAKES IT SIMPLE FOR SCHOOLS!

Did you know??

Most audiologists enable Audio-Mixing for FM/Roger™ and T-Coil programs.

Audio-Mixing ensures children can hear and monitor their own voices as well as sounds around them when utilizing auxiliary devices



Review of Child Friendly Features

Naída CI

- Light-emitting diode (LED) indicators
- Tamper proof to protect children from swallowing small parts
- Intellilink
- Ability to disable /limit volume and program settings to avoid accidental changes
- Flexible wearing options
- Waterproof with use of Aqua Case and AquaMic
- Simple wireless connectivity to computers, tablets, Roger/FM, and other electronics
- Full day of hearing with one battery
- The Naída CI does not need to be labeled as right and left side for children bilaterally implanted. The processor can detect which ear it is worn on automatically and provide access to the appropriate programs for that ear.





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Features for Improved Hearing in Noise

Ultrazoom

Zoom Control

StereoZoom

Duophone

Features for Comfort and Ease of Use

Windblock

Echoblock

Sound Relax

QuickSync



UltraZoom Feature

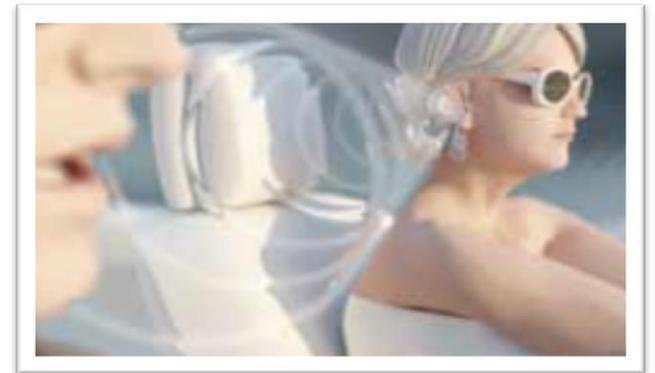
Focused listening on a small group of voices in front for improved communication in noisy environments.





Zoom Control Feature

Focused listening on a speaker to the front-back or right-left for improved communication in noisy environments.





Stereo Zoom Feature

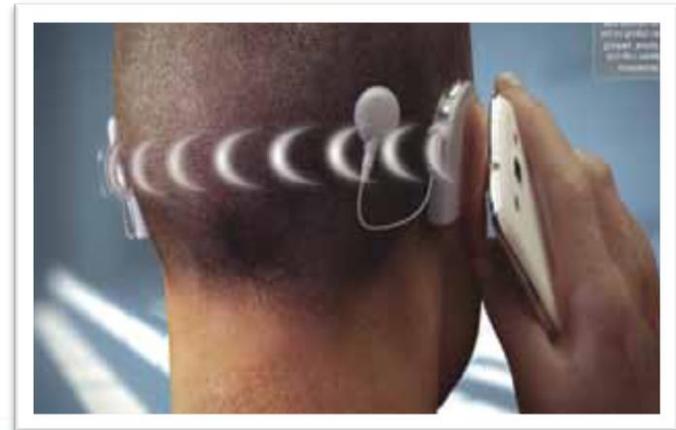
Extracts a single voice from a noisy crowd so one-on-one conversation requires less effort.



Advanced Phonak Technology Features

Duophone Feature

Automatically streams phone calls to both ears simultaneously for stereo hearing and easier conversations in noise.





WindBlock Feature

Reduces wind noise to improve comfort and ease of listening in windy conditions.



EchoBlock Feature

Improves comfort and ease of listening in places that echo, such as large assembly halls.



SoundRelax Feature

Softens sudden loud sounds, such as slamming doors or clanging dishes.



QuickSync Feature

Provides one-touch control of the child's processors for easy simultaneous adjustments to volume and program settings on both ears.





Tools for Toddlers™ Program

Do you know about Advanced Bionics' Tools for Toddlers program (TFT™)?

TFT provides free resources created specifically to help support early intervention and pre-school aged children.



Visit the Tools for Toddlers Program at

www.advancedbionics.com/tfs

TFT resources can be found on the lower section of the TFS page



LITERACY STRATEGIES for the Very Young Child

When you begin planning therapy for the infant with hearing loss, the first thing you will need to consider are not appropriate due to a child's lack of motor and attention. (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)

Therapy for the Infant (0-6 Months)		
The Adult	The Child	Best Practices
<ul style="list-style-type: none"> • Modeling (by parent) • Exposure to print • Hand-to-mouth feeds • Hand-to-mouth activities • Point to pictures • Use hand-to-mouth contact and tactile properties • Focus on (or model) highlighting in the literature • Read a few pages of a book • Watch for cues for the page • Use simple phrases • Make up your own words 	<ul style="list-style-type: none"> • Listen and observe • Interact with the adult • By 6 months of age, the child wants to hold and read the book • Increased interest in pictures, bright and loud colors • Interest in pictures of faces 	<ul style="list-style-type: none"> • Simple large pictures • Bright colors • Clearly labeled books • Bold and loud • Challenging books

Therapy for the Infant (6-12 Months)		
The Adult	The Child	Best Practices
<ul style="list-style-type: none"> • Continue with parent • Follow child's lead - respond to what the child is doing • Talk about pictures • Easy books on one subject • Offer a feeding toy • Make up "songs" 	<ul style="list-style-type: none"> • Attract to job for • Recognize familiar objects • Turn on and off lights • Respond to requests to feeding • Pick pictures • Follow pictures of faces • Listen and observe the parent's modeling and respond to the adult's collection of cues for long feeds 	<ul style="list-style-type: none"> • Board books • Pictures of faces • Familiar objects • Soft books • Small photo photo albums • Nursery rhyme • Books about routine words • Soft sensory books



Exploring COMMUNICATION OPTIONS

As a provider of a child with a severe to profound hearing loss you will need to choose which communication method is the best for your child and your family. Make sure you will find some basic information about all communication options available. We have other printed and electronic tools to help you learn more about each approach.

- American Sign Language (ASL)**
- Typically associated with the Deaf culture (Deaf and deafblind)
 - A complete visual and conceptual system
 - A separate language comprised of its own unique syntax and grammar
 - No written form
 - English is used as a model for communication
 - No focus on a specific or multiple spoken language
 - Separate communication over the entire body in using meaning

The further information about ASL, visit handspans.com/glossary/

- Tactile Communication**
- Used to develop spoken language through speech reading with some form of manual communication
 - Usually in the form of a group of individuals who do not use spoken language
 - Separate speech developed through a combination of hearing, sight, and tactile cues
 - Teacher to often more than parents in manual communication during early language years
 - Usually in the form of a manual communication
 - Use of sign language is dependent on student's needs

The further information about Tactile Communication, visit www.handspans.com/glossary/

- Cued Speech**
- A set of communication system of eight handshapes (used) that represent different sounds of speech
 - Can use oral while talking to multiple spoken language clear through the ear
 - This system allows the child to distinguish sounds that are the same on the lips
 - No oral output
 - Focus on the primary language to be learned
 - Usually in the form of a manual communication

The further information about Cued Speech, visit www.handspans.com/



AB Makes It Simple for Schools

Additional FREE Resources

- www.hearingjourney.com
- www.thelisteningroom.com
- www.advancedbionics.com/bea
- www.advancedbioinics.com
 - Take free courses
 - Learn about products
 - Watch videos
 - Download materials and resources
 - Connect with others



HEARINGJOURNEY™



Resources & Support

For Educators, Therapists, Recipients, and Families

Online:

Live Chat:

[AdvancedBionics.com](https://www.advancedbionics.com)

Customer Care:

Speak with an audiologist:

Toll Free Phone: 1-877-829-0026

TTY: 1-800-678-3575

Email Questions:

CustomerService@AdvancedBionics.com

ToolsForSchools@AdvancedBionics.com

Monday through Friday, 5 am to 5 pm PST

