Naída CI Q70

By Advanced Bionics

technical **specifications**

AB

Naída CI Q70

By Advanced Bionics

small size **big performance**

Introducing the **newest, most advanced**

behind-the-ear sound processor in the world.

With a chic, lightweight design, Naída CI Q70 features fun,

fashionable colors, Phonak ear-to-ear technologies, and the

industry's first wireless and bimodal streaming capabilities for

high-performance hearing that is always **instyle™**.

Mechanical Properties

Measurements	Size H x W x D in mm
Processor Only	26 x 9 x 19
– with Off-the-Ear Power Adapter	40 x 9 x 19
– with PowerCel 110	49 x 9 x 19
– with PowerCel 170	55 x 9 x 19
– with PowerCel 230	59 x 9 x 19
– with Zn-Air Battery Pak	53 x 9 x 19
Weight	**in Grams**
Processor Only	6
– with Off-the-Ear Power Adapter	8
– with PowerCel 110	11
– with PowerCel 170	13
– with PowerCel 230	13
– with Zn-Air Battery Pak	13 (includes 2 batteries)
Program Button	Push-button access up to 5 programs per side for up to 10 programs on a single processor
Processor Tri-Color Status LED *(green, orange, red)*	Indicators for battery status, program number, microphone status, error status and left/right processor identification using AB myPilot
Processor Internal Alarm	Alerts for low battery indications and for changes to program and volume
Volume Control	10 clicks to top of volume range 10 clicks to bottom of volume range
Sensitivity	Selectable in software and adjustable through AB myPilot
Programmable T-Coil	Allows access to phones, loop systems, and Phonak myLink
Operating Temperature	0° C to 45° C
Humidity Range	95% (non-condensing)

Processing Specifications

Audio Sound Capture	16 bit, 96 dB
Input Dynamic Range	20 dB to 80 dB programmable
Effective Audio Sampling Rate	17.4 kHz
Automatic Gain Control	Cambridge dual-loop AGC
Volume Control	Up to + / - 100% electrical dynamic range
Sensitivity Control	Programmable + / - 10 dB
Stimulation Rate	Up to 83,000 pps
Spectral Bands	Up to 120 Bands (software limited)
Supported Strategies	HiRes™ Optima-S*, HiRes Optima-P* HiRes-S with Fidelity 120™*, HiRes-P with Fidelity 120*, HiRes-S, HiRes-P, CIS, MPS

Processing Specifications

UltraZoom	Dual-microphone technology designed to focus on sound from a speaker located in front of the listener
Speech Enhancement Algorithm	ClearVoice™* available with Fidelity S and Fidelity P
Telemetry	1 Mbps bandwidth continuous bi-directional Forward 49 MHz Backward 10.7 MHz
Battery Life Estimation	At fitting, software will calculate and display the battery life estimation by program for each battery option based on patient specifics

Bilateral Processing Specifications

DirectTouch	Flexibility to choose hearing direction for ZoomControl and DuoPhone
DuoPhone	Simultaneously stream calls to both processors
QuickSync	Instantaneously change programs or volume to both processors with one touch
ZoomControl	Focus on sound coming from left or right

Compatibility

Implant	HiRes 90K™ Advantage, HiRes 90K™, and CII Bionic Ear
Headpieces	Universal Headpiece (UHP)

Headpiece and Microphone Specifications

Universal Headpiece	With omni-directional microphone
Cable Colors	Black, Beige, Brown, White
Microphones	Universal Headpiece microphone, T-Mic™ 2 microphone, dual microphone (front and back processor microphone)
Microphone Features	Omni-directional, ZoomControl, UltraZoom, ability to listen to multiple microphone sources at once
Frequency Range	150 Hz to 10,000 Hz

Power Specifications

Battery Options and Operating Time (hrs)

Description	Average hrs	Up to hrs
– Zn-Air Battery Pak	31	56
– PowerCel 110	12	17
– PowerCel 170	18	27
– PowerCel 230	25	36
– AAA PowerPak	129	183

Lithium-Ion Battery Charger	Charger for 4 Lithium-Ion PowerCel batteries Tri-colored LED indicators USB or DC powered

Accessories Specifications

AB myPilot	Unilateral and bilateral access to volume, program, sensitivity, status readout, source specific Listening Check and ZoomControl
ComPilot	Stream music, calls, FM and other media unilaterally, bilaterally and bimodally with Phonak compatible hearing instrument. Ability to make volume and program adjustments
Earhooks	Earhooks (small, standard), T-Mic™ 2 (small, medium, large)
Wearing Options	Right and left clips
Listening Check	Portable diagnostic device for checking input sources

Color Options

Phonak Dual-Microphone Technology
(front and back microphones)

Volume Control and Tri-Colored LED
(green, orange, red)

Microphone

Universal Headpiece

Program Button

AB's Patented T-Mic™ 2 Microphone

Battery
(available in 3 options)

Headpiece Cable
(rotates 360 degrees for maximum comfort)

PHONAK | Partners for Better Hearing

For more information on the new Naída CI Q70 sound processor, please speak to your AB representative or visit

AdvancedBionics.com

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*Not approved for pediatric use in the U.S.

028-M142-03
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