

Harmony® HiResolution® Bionic Ear System

Technical Specifications



Auria® Harmony® Sound Processor

Mechanical Properties	
Weight	5.34 g (w/o battery) 15.5 g (220 mA hr battery) 17.25 g (410 mA-hr battery)
Size	Height: 54 mm Thickness: 13 mm Width: 21 mm
Headpiece Diameter	28.1 mm
Internal Memory	3 program slots, 512 Kb flash memory
Microphone Frequency Range	150 Hz–8000 Hz
Telecoil	Integrated T-Coil Bandwidth: 150 +/-15 Hz to above 4500 Hz
Status LED	3 color, 8 status indicator
Volume Dial	Programmable +/-100% electrical dynamic range
Moisture Resistance	Normal operation at 95% relative humidity (non-condensing)
Operating Temperature Range	0°–45°C/32°–113°F (non-condensing)
Storage Temperature Range	-20°–55°C/-4°–131°F

Earhooks Available in standard and small sizes	
T-Mic® Microphone	150 Hz to 8 kHz +/- 3 dB @ 1 kHz
iConnect	3-pin euro socket and internal battery compartment
Direct Connect and Cable	Resistor: 100 Ohm 3.5 mm stereo jack

Power	
PowerCel™ Slim	220 mAhr Rechargeable Li-ion battery
PowerCel Plus	410 mAhr Rechargeable Li-ion battery
PowerCel Operating Time (hours)	PowerCel Slim: Average 14, range 8–19 (Power economy mode) PowerCel Plus: Average 24, range 14–41 (Power economy mode)

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Processing	
Audio Sound Capture	16 bit, 96 dB
Input Dynamic Range	20 dB–80 dB programmable (60 dB default)
Effective Audio Sampling Rate	17.4 kHz
Automatic Gain Control (AGC) (Enabled, default)	Cambridge dual loop AGC (AGC II)
Automatic Gain Control (Disabled)	Functions as linear peak clipping for signal above the maximum specified system limit
Sensitivity	+/- 10 dB, 0 dB default
Volume Control	+/- 100% electrical dynamic range
Stimulation Rate	136 pps–83,000 pps
Spectral bands	1–120 bands
Supported Strategies	HiRes®-S, HiRes-P, HiRes-S with Fidelity™ 120, HiRes-P with Fidelity 120, CIS, MPS
Telemetry	1.0 Mbps bandwidth Continuous bi-directional

Warranty
3-year manufacturer warranty



www.AdvancedBionics.com

HEADQUARTERS

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