

## Platinum Series™ Processor

<b>Mechanical properties</b>	
Processor Module Weight: Size:	Platinum Series Processor (PSP) 0.25 lb 2.69" w, 2.19" h, 0.81" d
Headpiece Microphone Frequency Range: Magnets:	HiRes 90K® concave Platinum Headpiece (PHP) 150 Hz–8000 Hz, ~25 dB SPL (A weighted) noise floor Adjustable, up to 5
Headpiece Cable Lengths: Colors:	18, 24, 32, 42, and 48 inches Beige/brown
Auxiliary Input/Output Port	3.5 mm phono, mono jack with microphone bias and mic test output
Five-position Program Switch	Off, 3 program slots, 1 microphone test slot
Status LED	2 color, 6 status indicator
Volume Dial	Programmable +/-100% electrical dynamic range
Sensitivity Dial	+/-10 dB
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°–50°C/-4°–122°F

<b>Power</b>	
Batteries	Li-ion Rechargeable battery 3-4.2 V at 4,500 mW-hrs
AA Battery Compartment	3 AA 3–4.5 V at 8000 mW-hrs

<b>Processing</b>	
Audio Sound Capture	12 bit oversampled 4x for effective 13 bit
Input Dynamic Range (instantaneous)	84 dB
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
Volume Control	+/-100% electrical dynamic range, default setting +/-50%
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 and MPS
Telemetry	1.0 Mbps bandwidth Continuous bi-directional

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<b>Compatibility</b>	
ICS	HiRes 90K®, CII Bionic Ear® (CII), Clarion 1.2 (C 1.2), Clarion 1.0 (C1.0)
Headpiece	PHP
Accessories	Mic test earphones, system sensor

  

<b>Warranty</b>	3-year manufacturer warranty
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[www.BionicEar.com](http://www.BionicEar.com)  
[www.BostonScientific.com](http://www.BostonScientific.com)

### Auditory Business

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