

Beltone Boost™



BOS17 95-DW, BOS9 95-DW

Powerful connections to people and devices

Powerful, robust and comfortable, Beltone Boost lets patients with severe to profound hearing loss connect to everything important in their lives. And thanks to Beltone's 2.4 GHz wireless technology, they can now stream audio and control their hearing aids directly through an iPhone®, iPad® and iPod touch®. No adapter or intermediary devices needed. It's easy and discreet. It connects to a range of wireless accessories too, helping to increase signal-to-noise ratio for patients who need it most.

Simply put, Beltone Boost is a powerful hearing instrument. However, power doesn't mean that patients have to compromise on sound quality. Its industry leading digital signal processor and advanced features like Feedback Eraser, Sound Shifter and CrossLink Directionality, gives patients the amplification they need, without distracting artifacts or distortion. The combination of power and clear sound make Beltone Boost the best option to help clients connect to the people who matter most.

Options

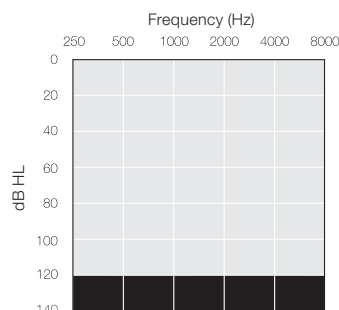
- Available in 4 colors
- Tinnitus Breaker Pro
- Direct Audio Input (standard feature but requires optional audio shoe)
- Child Proof Battery Door Lock
- Child Ear Hook
- Colored Side Indicator

Fitting Software

- SOLUS Pro fitting software version 1.7 or higher
- Wireless fitting with Airlink™
- Speedlink, HI-Pro, or NOAHlink programming interfaces
- Wired programming option with standard programming cables and programming adapter

	Boost 17	Boost 9
Hearing Restoration		
Digital Signal Processing Integrated Circuit (DSP-IC)	Coyote 4.5.3	Coyote 4.5.3
Wide Dynamic Range Compression (Input Compression)	Rapid 17	Rapid 9
WDRC Time Constants	Syllabic, Normal, AVC	Syllabic, Normal, AVC
Output limiting	Output compression Soft peak clipping Hard peak clipping	Output compression Soft peak clipping Hard peak clipping
Speech in Noise		
CrossLink Directionality	Yes	No
Spatial Directionality	Yes	No
Adaptive Directionality	Adaptive, 15 null points with Smart Beam	Adaptive, 9 null points with Smart Beam
Fixed Directionality	Hypercardioid	Hypercardioid
Directional Microphone Options		
Band-split Directionality	Adjustable Mixing-point Frequency	Adjustable Mixing-point Frequency
Directional / Omni Microphone Switching	Synchronized Speech Spotter Pro	Synchronized Speech Spotter Pro
Directional Beam Width Pattern	Smart Beam Steering	Smart Beam Steering
Hearing Comfort		
Environmental Programs	4	4
Noise Reduction	Sound Cleaner Pro (5 choices)	Sound Cleaner (4 choices)
Safeguard Feedback Control	Yes	Yes
Feedback Suppression	Feedback Eraser with WhistleStop (5 choices)	Feedback Eraser (4 choices)
Expansion	Silencer 17 channel analysis	Silencer 9 channel analysis
Wind Noise Reduction	4 choices	3 choices
Environmental Gain Steering	Smart Gain Pro (7 environments)	Smart Gain (7 environments)
Frequency Lowering	Sound Shifter	Sound Shifter
Adaptation	Synchronized Satisfy	Synchronized Satisfy
Additional Features		
HPF80 NanoBlock	Yes	Yes
Connectivity	Direct Connection to iPhone	Direct Connection to iPhone
Ear to Ear Synchronization	Yes	Yes
Asymmetric Phone Handling	Yes	Yes
AFX Music Mode	Yes	Yes
Musical Audio Alerts	Yes	Yes
Auto-Phone	Yes	Yes
Tinnitus Breaker Pro	Yes	Yes
Wireless Accessories		
Beltone Direct Personal Audio Link (myPAL)	Yes	Yes
Beltone Direct TV link 2	Yes	Yes
Beltone Direct Phone link 2	Yes	Yes
Beltone Direct Remote Control 2	Yes	Yes

Fitting Range



Beltone Boost is compatible with iPhone 5s, iPhone 5c, iPhone 5, iPad Air, iPad (4th generation), iPad mini with Retina display, iPad mini and iPod touch (5th generation) using iOS 7.X or later. Apple, the Apple logo, iPhone, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

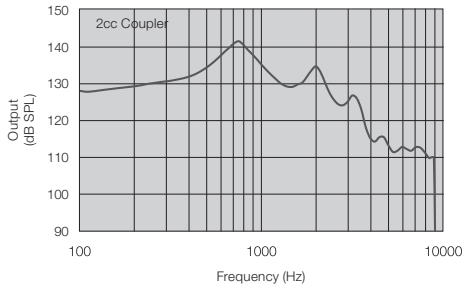


Technical specifications

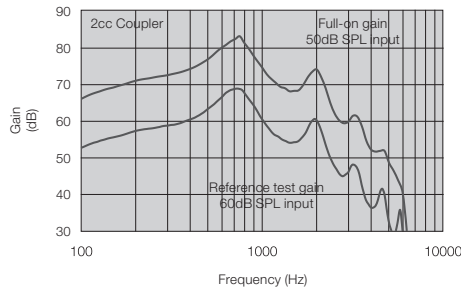
Reference test gain (60 dB SPL input)	1600 Hz/HFA	54	dB
Full-on gain (50 dB SPL input)	Max.	83	dB
	1600 Hz/HFA	69	
Maximum output (90 dB SPL input)	Max.	141	dB SPL
	1600 Hz/HFA	131	
Total harmonic distortion	500 Hz	3,0	%
	800 Hz	0,7	
	1600 Hz	0,9	
Telecoil sensitivity (1 mA/m input)	Max.	-	dB SPL
Full-on telecoil sensitivity @ 1mA/m	HFA	116	
HFA-SPLIV Telecoil sensitivity @ 31.6 mA/m(ANSI)	1600 Hz / HFA	101	
Equivalent input noise w/o Noise reduction		26	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	-	
Frequency range (DIN 45605)		100-5860	Hz
Current Drain (Quiescent / Operating)		1,3 / 3,3	mA

Data in accordance with ANSI S3.22 - 2009; Supply Voltage 1.3 V.

Maximum Output (OSPL 90)

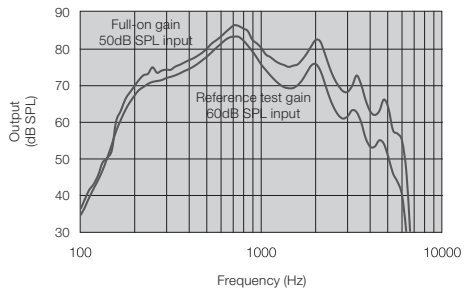


Full-On and Reference Test Gain



Telecoil response

- Input level 10 mA/m



Notes:

2cc = 2 cm³ coupler
Pi = Acoustic input signal

Basic settings:

Full-on Gain, Reference Test Gain
MPO = Maximum Power Output
Maximum Band Width

Measured according to ANSI S3.22-2009, at 1.3 V and 23°C on 2cc (0 dB SPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

Beltone Electronics

8001 E. Bloomington Freeway
Bloomington, MN 55420-1036
1-800-BELTONE
400314011 Rev. A 07/14

Beltone Canada

301 Supertest Road
Toronto, ON M3J 2M4
Tel.: 416-736-4444
Toll Free: 1-800-387-3744

