

Beltone Legend™



LNDITE

Product Description

In-the-Ear (ITE) hearing instruments are available in 3 power levels: Medium (MP), High (HP) and Ultra (UP).

Sound processing done by Beltone's Dual Processing platform for optimum algorithm execution and outstanding sound quality.

3rd generation 2.4 GHz wireless technology features Bluetooth® 4.0 allowing the hearing instrument to connect to iPhone®, iPad® and iPod touch® as well as Beltone's complete line of Direct Line accessories. This is in addition to direct ear to ear communication with wireless ITE hearing instruments.

The ITE models feature options for push button, volume control, and telecoil.

All custom hearing instrument faceplates and associated components are HPF⁸⁰ NanoBlock-coated for maximum durability.

Model	LND17ITE*	LND9ITE**	LND6ITE***
Device Features			
Battery size	13		
Receiver Power levels	MP, HP & UP		
Colors available	5		
Functional Features			
Fully Flexible Programs	4	4	4
Synchronized Push Button	●	●	●
Synchronized Volume Control	●	●	●
Delayed Activation	●	●	●
Auto Phone	●	●	●
Asymmetric Phone Handling	●	●	●
Ear to Ear Communication	●	●	●
Direct audio streaming (Made for iPhone)	●	●	●
Beltone Direct TV Link 2, myPAL, Phone Link 2 & Remote Control 2	●	●	●
Beltone SmartRemote (Phone Link 2 is required)	●	●	●
Beltone HearPlus	●	●	●
Audiological Features			
Curvilinear Rapid - number of channels	17	14	12
CrossLink Directionality	●	●	●
Band-split Directionality	●	●	●
-Adjustable Mixing point Frequency	●	●	●
Spatial Directionality	●	●	●
Synchronized Speech Spotter Pro	●	●	●
Synchronized Speech Spotter Basic	●	●	●
Smart Beam Steering	●	●	●
Fixed Beam Width	●	●	●
Adaptive Directionality™	●	○	○
Smart Gain Pro	●	●	●
Smart Gain	●	●	●
Sound Cleaner	●	○	○
Silencer	●	○	○
Wind Noise Reduction	●	○	○
Sound Shifter	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Feedback Eraser with WhistleStop	●	●	●
Feedback Eraser	●	○	○
- AFX Music Mode	●	●	●
Synchronized Satisfy	●	●	●
Amplification Strategy WDRC	●	●	●
Amplification Strategy WDRC/Semi-linear/Linear(Only UP)	●	●	●
Tinnitus Breaker Pro	●	●	●
Fitting Features			
Fitting Software SolusPro 1.8 or higher	●	●	●
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●
Wireless Fitting with Airlink2™	●	●	●
*LND17ITE-DW UP, LND17ITE-DW HP, LND17ITE-DW MP, LND17ITE-D UP, LND17ITE-D HP, LND17ITE-D MP, LND17ITE-W UP, LND17ITE-W HP, LND17ITE-W MP, LND17ITE UP, LND17ITE HP, LND17ITE MP			
**LND9ITE-DW UP, LND9ITE-DW HP, LND9ITE-DW MP, LND9ITE-D UP, LND9ITE-D HP, LND9ITE-D MP, LND9ITE-W UP, LND9ITE-W HP, LND9ITE-W MP, LND9ITE UP, LND9ITE HP, LND9ITE MP			
***LND6ITE-DW UP, LND6ITE-DW HP, LND6ITE-DW MP, LND6ITE-D UP, LND6ITE-D HP, LND6ITE-D MP, LND6ITE-W UP, LND6ITE-W HP, LND6ITE-W MP, LND6ITE UP, LND6ITE HP, LND6ITE MP			

○ Basic Settings

● Advanced Settings

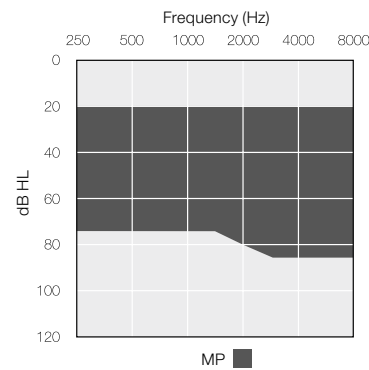
● Ultimate Settings

Technical Specifications

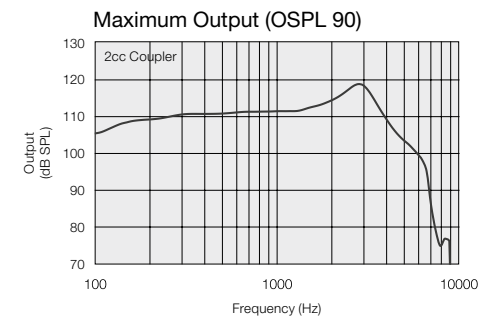
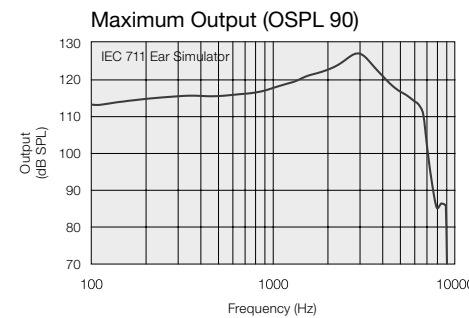
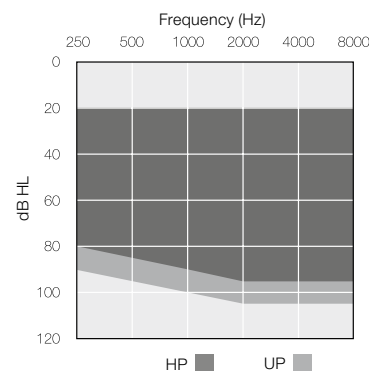
		LNDITE (MP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	40	36	dB
Full-on gain (50 dB SPL input)	Max.	59	50	dB
	1600 Hz/HFA	50	45	
Maximum output (90 dB SPL input)	Max.	127	119	dB SPL
	1600 Hz/HFA	121	113	
Total harmonic distortion	500 Hz	0.5	0.7	%
	800 Hz	0.9	0.8	
	1600 Hz	1.0	0.9	
Telecoil sensitivity (1 mA/m input)	Max.	88		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)		96	
Full-on telecoil sensitivity @ 1mA/m	HFA		74	dB SPL
	1600 Hz/HFA	81		
Equivalent input noise		24	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7170	100-7110	Hz
Current drain		1.1	1.3	mA

Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.

Fitting Range - Closed



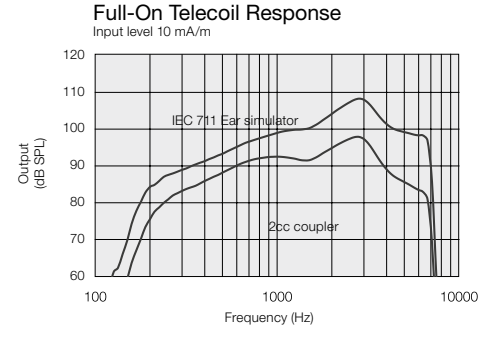
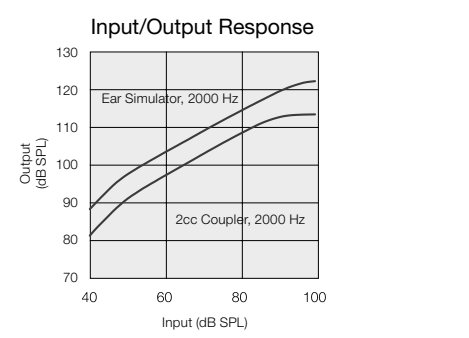
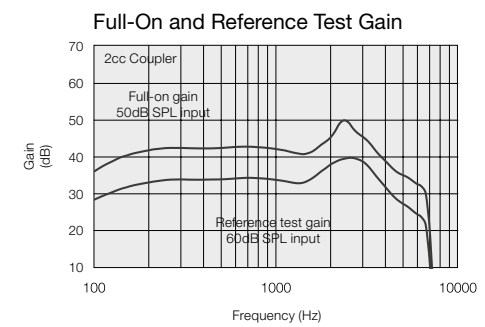
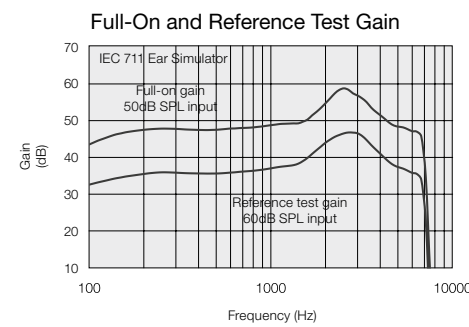
Fitting Range - Closed



Notes:
O.E.S. = Occluded Ear Simulator
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 IEC 60118-0 1983, amendment 1994; at 1.3 V, impedance 6.2 ohms and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 and ANSI S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.



Patents pending

All specifications are subject to change without notice



Beltone Legend™ is compatible with iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 3, iPad mini 2, 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.



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Technical Specifications

		LNDITE (HP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	47	43	dB
Full-on gain (50 dB SPL input)	Max.	69	60	dB
	1600 Hz/HFA	59	54	
Maximum output (90 dB SPL input)	Max.	130	121	dB SPL
	1600 Hz/HFA	126	120	
Total harmonic distortion	500 Hz	0.6	0.4	%
	800 Hz	1.3	0.7	
	1600 Hz	0.8	0.5	
Telecoil sensitivity (1 mA/m input)	Max.	98		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	103	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	88	83	
Equivalent input noise		22	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6930	100-6770	Hz
Current drain		1.2	1.3	mA

Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.

Technical Specifications

		LNDITE (UP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	59	49	dB
Full-on gain (50 dB SPL input)	Max.	79	70	dB
	1600 Hz/HFA	70	63	
Maximum output (90 dB SPL input)	Max.	137	130	dB SPL
	1600 Hz/HFA	136	125	
Total harmonic distortion	500 Hz	0.5	0.5	%
	800 Hz	1.4	1.0	
	1600 Hz	0.4	0.2	
Telecoil sensitivity (1 mA/m input)	Max.	106		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	109	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	99	93	
Equivalent input noise		24	20	dB SPL
Frequency range (DIN 45605/ANSI)		140-4720	100-4700	Hz
Current drain		1.1	1.2	mA

Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.

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