

# Beltone Legend™



## Product Description

Receiver-in-the-Ear (RIE) hearing instrument models 63 and 64 with 4 selectable receiver power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP).

Sound processing done by Beltone's Dual Processing platform for efficient 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®, and Beltone's complete line of Direct accessories.

The 64 model features telecoil and Direct Audio Input (DAI).

The RIE hearing instruments and the associated receivers are HPF<sup>80</sup> NanoBlock-coated for optimum durability.

Model	LND1764-DRW LND1763-DRW	LND964-DRW LND963-DRW	LND664-DRW LND663-DRW
<b>Device Features</b>			
Battery size	312 for model 63, 13 for model 64		
Receiver power levels	LP, MP, HP & UP		
Colors available	9 standard		
<b>Functional Features</b>			
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	●	●	●
<b>Audiological Features</b>			
Curvilinear Rapid - number of channels	17	14	12
CrossLink Directionality with Personal Sound ID™	●	●	●
Personal Sound ID™	●	●	●
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 receiver)	●	●	●
Feedback Eraser with WhistleStop	●	●	●
Feedback Eraser	●	●	●
-AFX Music Mode	●	●	●
Synchronized Satisfy	●	●	●
Amplification Strategy WDRC	●	●	●
Amplification Strategy WDRC/Semi-linear/Linear(Only UP receiver)	●	●	●
Tinnitus Breaker Pro	●	●	●
<b>Fitting Features</b>			
Fitting Software SolusPro 1.8 or higher	●	●	●
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●
In Situ Audiometry	●	●	●
Wireless Fitting with Airlink™	●	●	●

○ Basic Settings

● Advanced Settings

● Ultimate Settings

Patents pending

All specifications are subject to change without notice

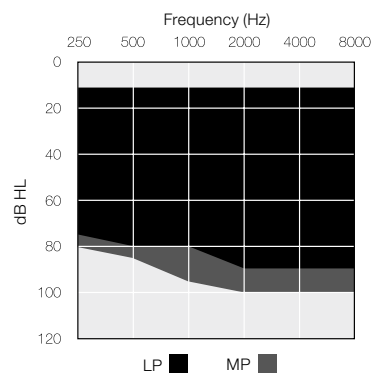
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## Technical Specifications

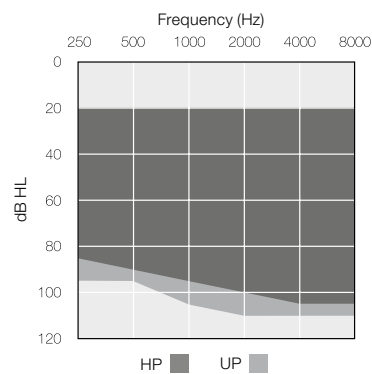
		LND63-DRW and LND64-DRW (LP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	36	31	dB
Full-on gain (50 dB SPL input)	Max.	61	52	dB
	1600 Hz/HFA	49	43	
Maximum output (90 dB SPL input)	Max.	123	113	dB SPL
	1600 Hz/HFA	115	108	
Total harmonic distortion	500 Hz	0.5	0.3	%
	800 Hz	1.2	0.5	
	1600 Hz	2.1	0.7	
Telecoil sensitivity (1 mA/m input) (64 model only)	Max.	91	90	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (64 model only)		71	
Full-on telecoil sensitivity @ 1 mA/m (64 model only)	1600 Hz/HFA	78	71	
			23	dB SPL
Equivalent input noise		25	23	dB SPL
Frequency range (DIN 45605/ANSI)		100-7130	100-7060	Hz
Current drain		1.3	1.3	mA

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

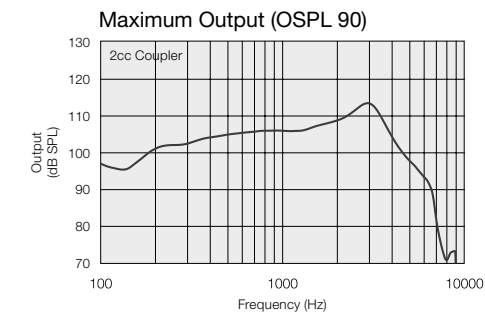
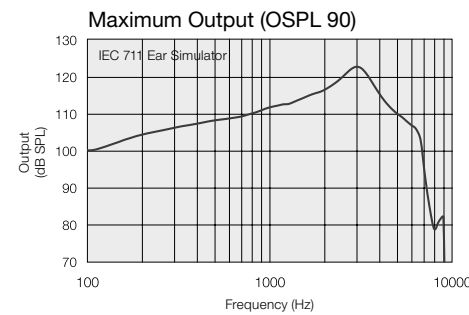
### Fitting Range - Closed



### Fitting Range - Closed



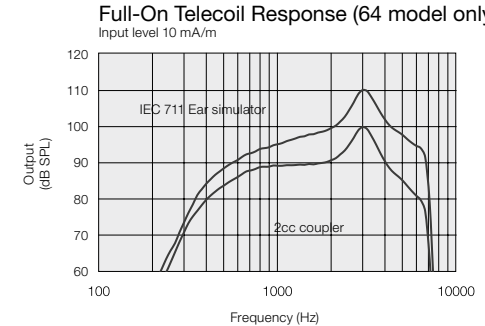
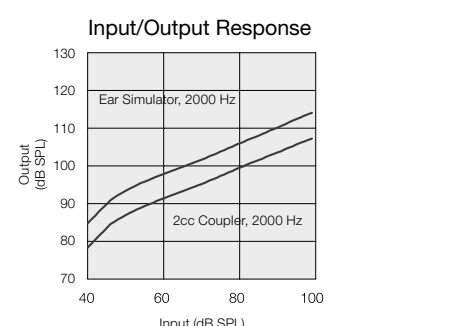
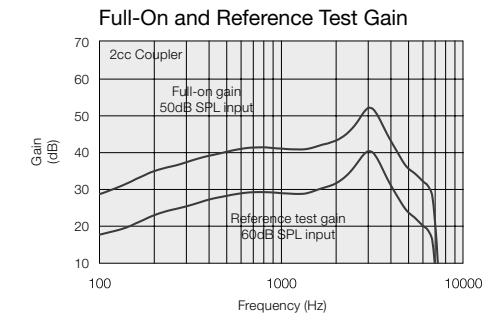
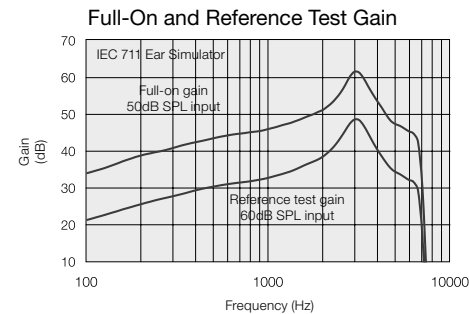
Beltone Legend™ is compatible with iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 3, iPad mini 2, iPad mini with Retina display, iPad mini and iPod touch (5th generation) using iOS 7.X or later. Apple, the Apple logo, iPhone, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



**Notes:**  
O.E.S. = Occluded Ear Simulator  
2cc = 2 cm<sup>3</sup> 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.



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# Technical Specifications

		LND63-DRW and LND64-DRW (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	43	37	dB
Full-on gain (50 dB SPL input)	Max.	67	58	dB
	1600 Hz/HFA	56	51	
Maximum output (90 dB SPL input)	Max.	125	116	dB SPL
	1600 Hz/HFA	121	114	
Total harmonic distortion	500 Hz	0.7	0.5	%
	800 Hz	1.1	0.6	
	1600 Hz	1.3	1.2	
Telecoil sensitivity (1 mA/m input) (64 model only)	Max.	97		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (64 model only)	HFA	96	
	Full-on telecoil sensitivity @ 1 mA/m (64 model only)	1600 Hz/HFA	85	
Equivalent input noise		24	23	dB SPL
Frequency range (DIN 45605/ANSI)		100-7130	100-7000	Hz
Current drain		1.3	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

		LND63-DRW and LND64-DRW (HP)		LND63-DRW and LND64-DRW (UP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	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	48	42	62	47	dB
Full-on gain (50 dB SPL input)	Max.	74	65	82	75	dB
	1600 Hz/HFA	61	56	80	64	
Maximum output (90 dB SPL input)	Max.	131	122	137	129	dB SPL
	1600 Hz/HFA	125	118	136	124	
Total harmonic distortion	500 Hz	1.0	0.6	2.4	1.3	%
	800 Hz	2.5	1.2	3.2	2.1	
	1600 Hz	0.8	0.7	0.2	0.1	
Telecoil sensitivity (1 mA/m input) (64 model only)	Max.	103		112		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (64 model only)	HFA	101	107		
	Full-on telecoil sensitivity @ 1 mA/m (64 model only)	1600 Hz/HFA	89	85	110	
Equivalent input noise		25	23	24	23	dB SPL
Frequency range (DIN 45605/ANSI)		100-6960	100-6030	1120-4510	100-4910	Hz
Current drain		1.3	1.3	1.3	1.2	mA

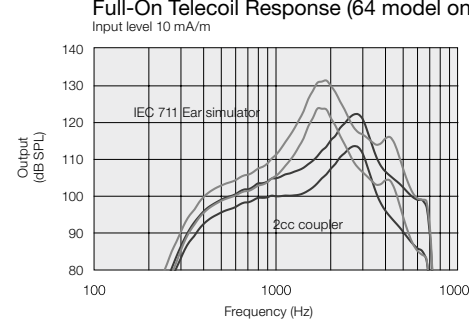
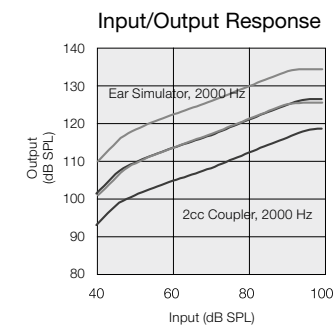
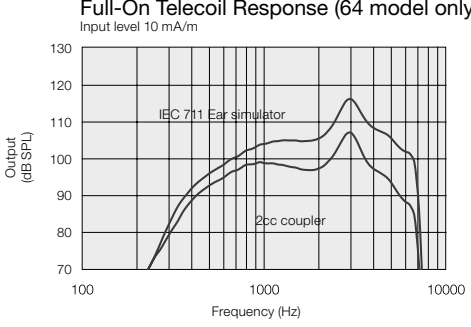
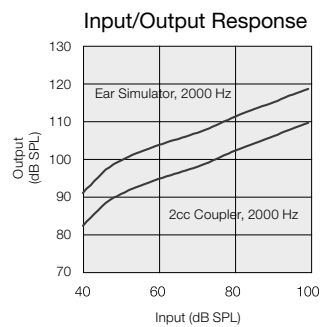
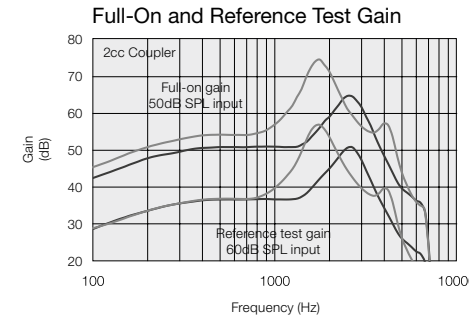
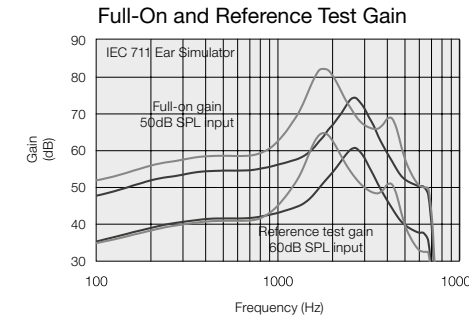
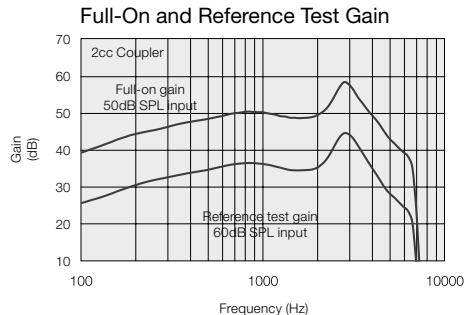
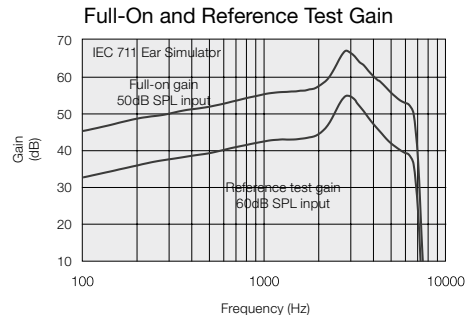
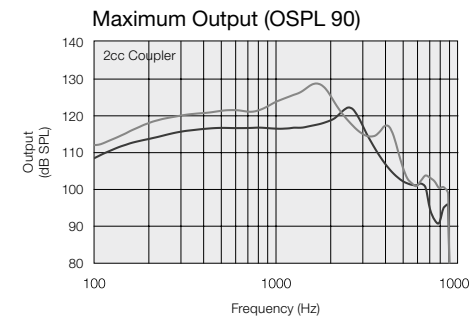
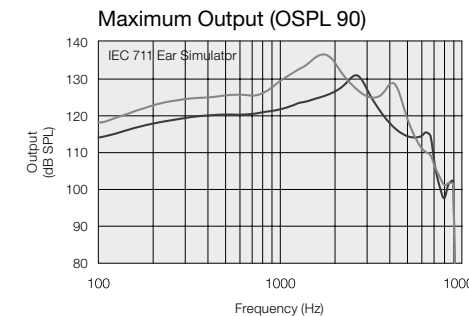
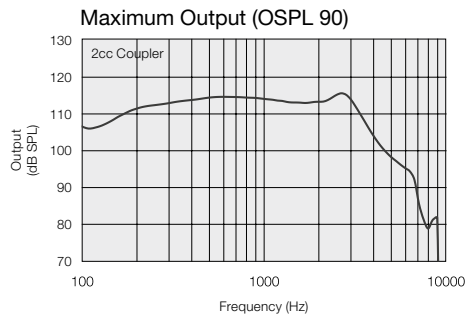
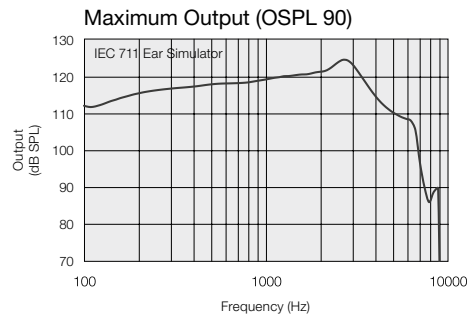
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HP ■  
UP ■