

# Beltone Legend™



## Product Description

Behind-the-Ear (BTE) hearing instrument model 76 in the standard power category supporting open and closed configurations.

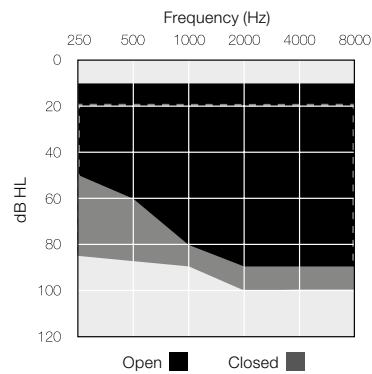
Sound processing done by Beltone's Dual Processing platform for efficient algorithm execution and outstanding sound quality.

3<sup>rd</sup> 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 76 model features telecoil and Direct Audio Input (DAI).

The BTE hearing instrument is HPF<sup>80</sup> NanoBlock-coated for optimum durability.

## Fitting Range



Model	LND1776-DW LND1776-DWT	LND976-DW LND976-DWT	LND676-DW LND676-DWT
<b>Device Features</b>			
Battery size	13		
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	●	●	●
Feedback Eraser with WhistleStop	●		
Feedback Eraser		○	○
-AFX Music Mode	●	●	●
Synchronized Satisfy	●	●	●
Amplification Strategy WDRC	●	●	●
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



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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**Beltone A/S**  
Lautrupbjerg 7  
DK-2750 Ballerup, Denmark  
Tel.: +45 45 75 11 11  
Fax: +45 45 75 11 19  
www.beltone-hearing.com



## Technical Specifications

		LND76-DWT		
		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	45	38	dB
Full-on gain (50 dB SPL input)	Max.	62	51	dB
	1600 Hz/HFA	54	48	
Maximum output (90 dB SPL input)	Max.	131	127	dB SPL
	1600 Hz/HFA	121	116	
Total harmonic distortion	500 Hz	0.5	0.2	%
	800 Hz	0.5	0.2	
	1600 Hz	0.9	0.6	
Telecoil sensitivity (1 mA/m input)	Max.	94		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		100	
Full-on telecoil sensitivity @ 1 mA/m	1600 Hz/HFA	87	80	
Equivalent input noise		25	22	dB SPL
Frequency range (DIN 45605/ANSI)		100-6920	100-6810	Hz
Current drain		1.2	1.2	mA

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

## Technical Specifications

		LND76-DW		
		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	43	dB
Full-on gain (50 dB SPL input)	Max.	66	57	dB
	1600 Hz/HFA	58	53	
Maximum output (90 dB SPL input)	Max.	134	124	dB SPL
	1600 Hz/HFA	126	121	
Total harmonic distortion	500 Hz	0.4	0.4	%
	800 Hz	1.4	0.8	
	1600 Hz	0.9	0.7	
Telecoil sensitivity (1 mA/m input)	Max.	98		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		105	
Full-on telecoil sensitivity @ 1 mA/m	1600 Hz/HFA	90	85	
Equivalent input noise		25	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6560	100-6140	Hz
Current drain		1.2	1.2	mA

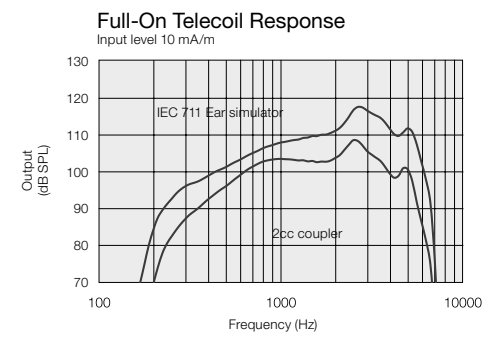
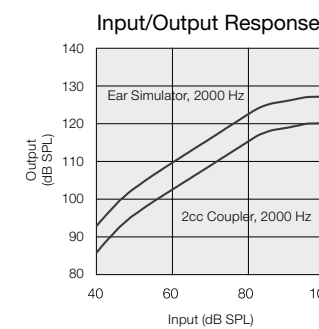
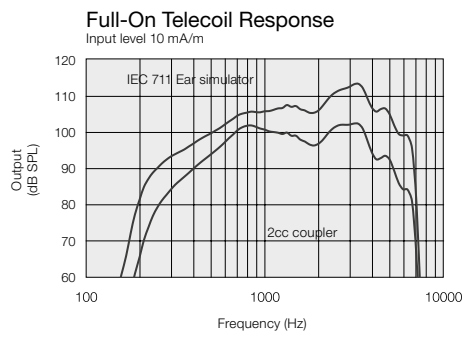
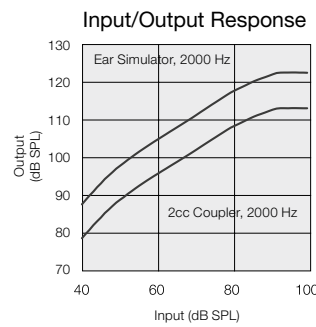
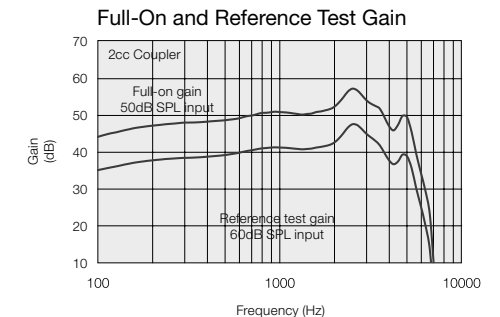
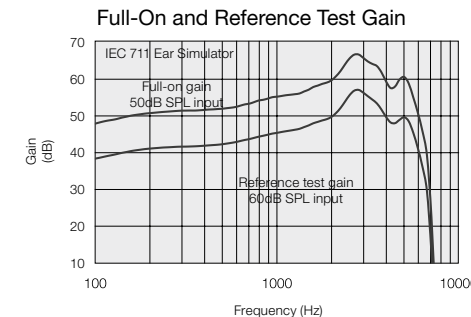
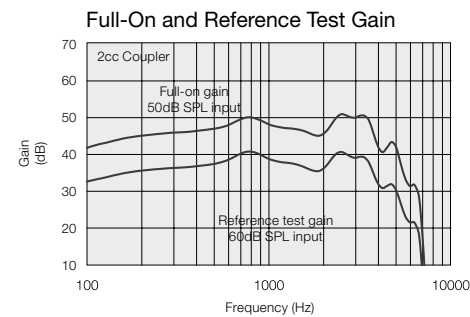
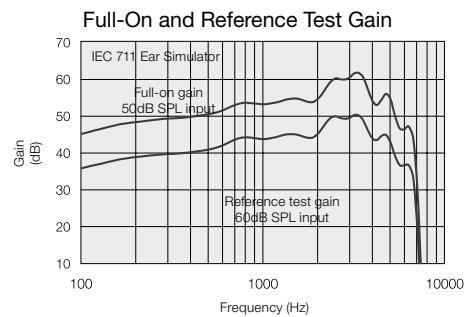
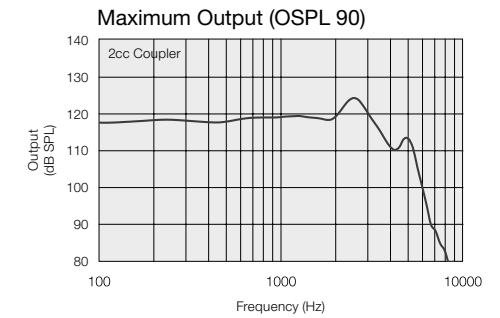
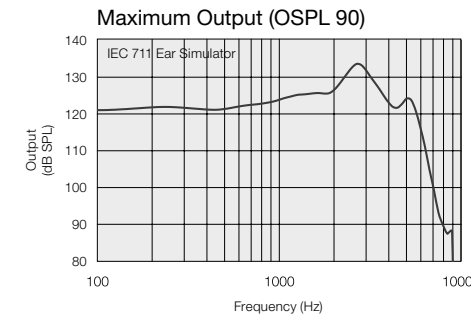
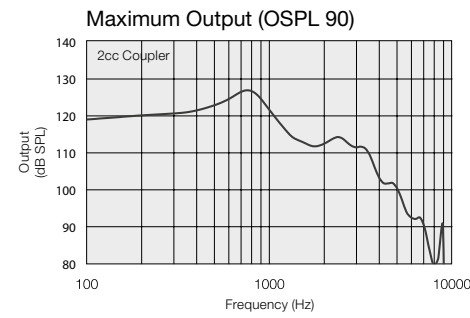
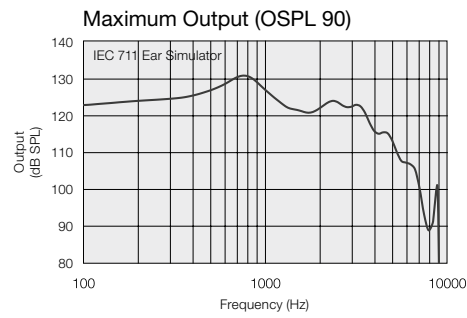
Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.

Patents pending

All specifications are subject to change without notice

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**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 60 118-0 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.