

ReSound LiNX²



LS88

Product Description

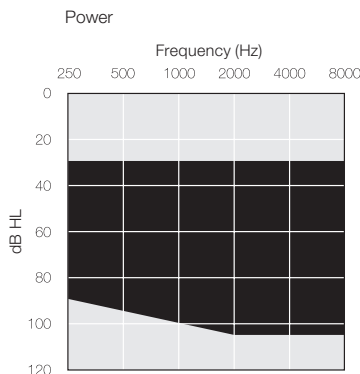
Model 88 Behind-the-Ear (BTE) hearing instruments support closed configuration.

ReSound's SmartRange™ dual processing platform enables Surround Sound by ReSound™ sound quality.

The 3rd generation 2.4 GHz wireless functionality of the SmartRange platform features Bluetooth® 4.0, allowing the hearing instruments to communicate with each other and to connect to iPhone®, iPad® and iPod touch®. ReSound LiNX² also supports ReSound's full line of ReSound Unite™ accessories. The 88 model features telecoil and Direct Audio Input (DAI).

All ReSound LiNX² BTE hearing instruments are iSolate™ nanotech-coated for optimum durability.

Fitting Range



Model	LS988-DW	LS788-DW	LS588-DW
Device Features			
Battery size	13		
Colors available	14		
Functional Features			
Fully flexible programs	4	4	4
Synchronized push button	●	●	●
Synchronized volume control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Comfort Phone™	●	●	●
Ear-to-Ear communication	●	⊙	○
Direct audio streaming (Made for iPhone)	●	●	●
ReSound Unite™ TV Streamer 2, Remote Control 2, Phone Clip+, Mini Microphone	●	●	●
ReSound Control™ app (Phone Clip+ required)	●	●	●
ReSound Smart™ app	●	●	●
Audiological Features			
WARP compression - number of channels	17	17	9
Environmental Classifier	●	●	●
Binaural Directionality™ II	●	●	●
Spatial Sense™	●		
Binaural Directionality™		●	
Directional Mix Processor	●	●	●
-Adjustable directional mix	●	●	
Natural Directionality™ II		●	●
Synchronized SoftSwitching™	●	●	
Softswitching™			●
Autoscope Adaptive Directionality™	●		
Multiscope Adaptive Directionality™		●	
Adaptive Directionality™			●
Binaural Environmental Optimizer™ II	●		
Environmental Optimizer		●	
Low Frequency Boost	●	⊙	○
NoiseTracker™ II	●	⊙	○
Expansion	●	⊙	○
Windguard™	●	⊙	○
Sound Shaper	●	●	●
DFS Ultra™ II	●	●	●
-Music Mode™	●	●	●
Auto DFS™	●	●	●
Amplification strategy (WDRC/ Semilinear/Linear)	●	●	⊙
Synchronized Acceptance Manager	●	●	●
Tinnitus Sound Generator	●	●	●
Fitting Features			
Fitting software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
In Situ Audiometry	●	●	●
Wireless fitting with Airlink™	●	●	●

○ Basic
● Advanced
● Ultimate



ReSound LiNX² 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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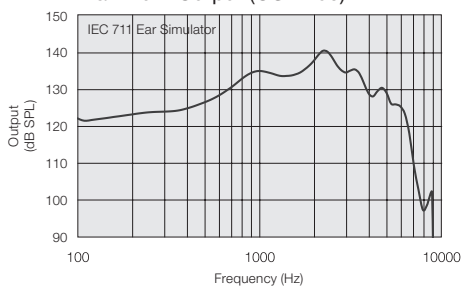
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Technical Specifications

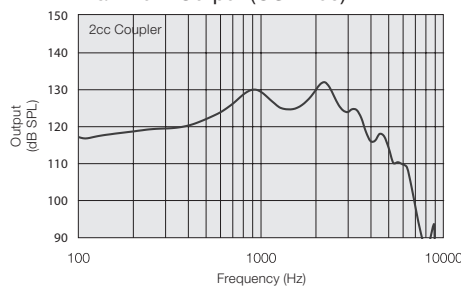
		LS88-DW		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	54	51	dB
Full-on gain (50 dB SPL input)	Max.	74	67	dB
	1600 Hz/HFA	67	63	
Maximum output (90 dB SPL input)	Max.	140	132	dB SPL
	1600 Hz/HFA	134	128	
Total harmonic distortion	500 Hz	0.5	0.5	%
	800 Hz	1.1	0.5	
	1600 Hz	0.4	0.3	
Telecoil sensitivity (1 mA/m input)	Max.	102		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		111	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	95	91	
Equivalent input noise		23	22	dB SPL
Frequency range (DIN 45605/ANSI)		100-6652	100-6020	Hz
Current drain (Test mode)		1.2	1.4	mA

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

Maximum Output (OSPL 90)



Maximum Output (OSPL 90)

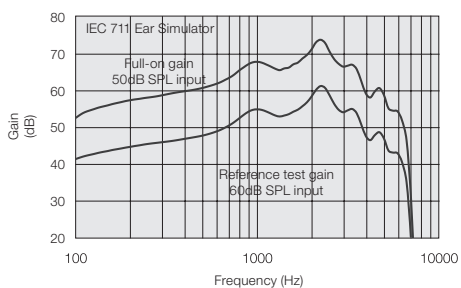


Notes:
 O.E.S. = Occluded Ear Simulator
 2cc = 2 cm³ coupler
 Pi = Acoustic input signal

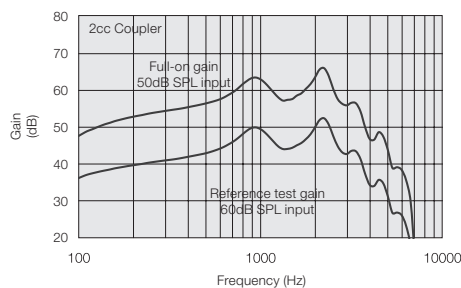
Basic settings:
 Full-on Gain, Reference Test Gain
 MPO = Maximum Power Output
 Maximum Band Width

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.

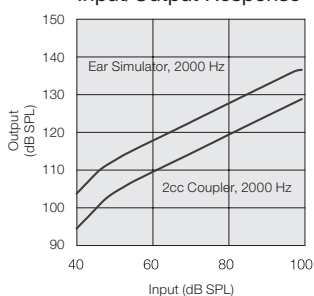
Full-On and Reference Test Gain



Full-On and Reference Test Gain

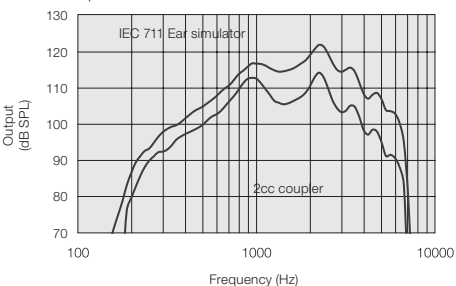


Input/Output Response



Full-On Telecoil Response

Input level 10 mA/m



Patents pending

All specifications are subject to change without notice

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