

ReSound LiNX²



Product Description

Models 61 and 62 Receiver-in-the-Ear (RIE) hearing instruments with 4 selectable receiver power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP).

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 62 model features telecoil and Direct Audio Input (DAI).

The RIE hearing instruments and the associated receivers are iSolate™ nanotech-coated for optimum durability.

Model	LS961-DRW LS962-DRW	LS761-DRW LS762-DRW	LS561-DRW LS562-DRW
Device Features			
Battery size	312 for 61, 13 for 62		
Receiver power levels	LP, MP, HP & UP		
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	●	●	●
NoiseTracker™ II	●	⊙	○
Expansion	●	⊙	○
Windguard™	●	⊙	○
Sound Shaper	●	●	●
Low Frequency Boost (UP receiver only)	●	⊙	○
DFS Ultra™ II	●	●	●
-Music Mode™	●	●	●
Auto DFS™	●	●	●
Synchronized Acceptance Manager	●	●	●
Amplification strategy (WDR/ Semilinear/Linear - UP receiver only)	●	⊙	○
Tinnitus Sound Generator	●	●	●
Fitting Features			
Fitting software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
In Situ Audiometry	●	●	●
Wireless fitting with Airlink™	●	●	●

* Volume control only available on 62 models

○ Basic

⊙ Advanced

● Ultimate

Patents pending

All specifications are subject to change without notice

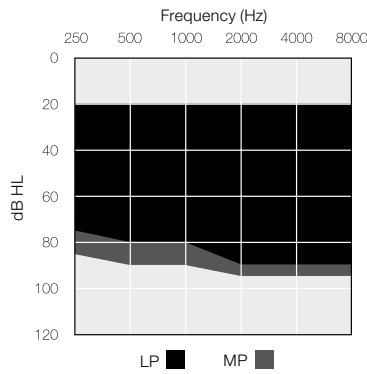
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Technical Specifications

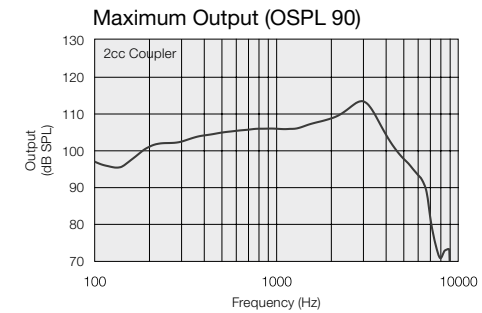
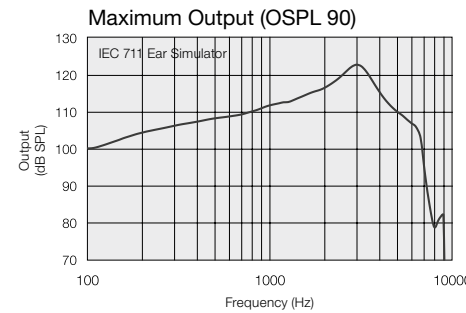
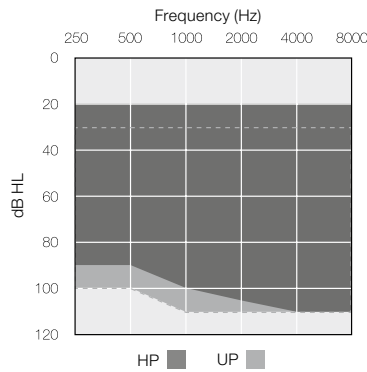
		LS61-DRW and LS62-DRW (LP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	36	31	dB
Full-on gain (50 dB SPL input)	Max.	61	52	dB
	1600 Hz/HFA	49	43	
Maximum output (90 dB SPL input)	Max.	123	113	dB SPL
	1600 Hz/HFA	115	108	
Total 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) (62 model only)	Max.	91	90	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (62 model only)		71	
Full-on telecoil sensitivity @ 1 mA/m (62 model only)	1600 Hz/HFA	78	71	
				dB SPL
Equivalent input noise		25	23	dB SPL
Frequency range (DIN 45605/ANSI)		100-7130	100-7060	Hz
Current drain (Test mode)		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



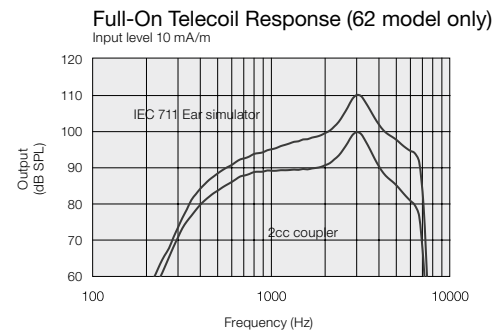
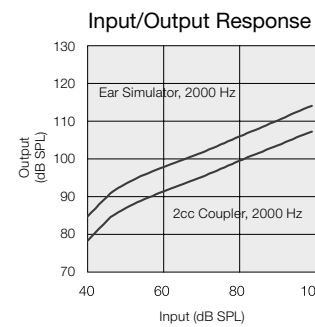
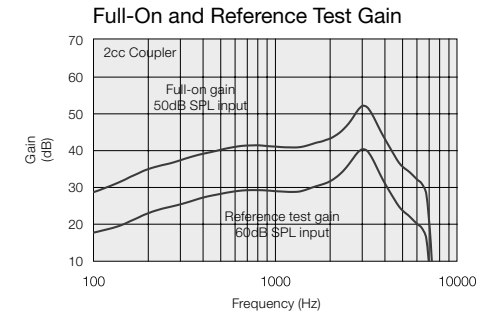
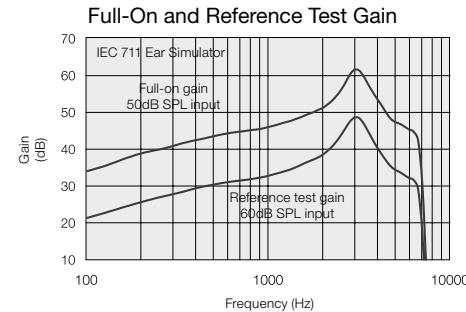
Fitting Range - Closed



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.



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.

ReSound
rediscover hearing

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Technical Specifications

		LS61-DRW and LS62-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) (62 model only)	Max.	97		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (62 model only)	HFA	96	
	Full-on telecoil sensitivity @ 1 mA/m (62 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

		LS61-DRW and LS62-DRW (HP)		LS61-DRW and LS62-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) (62 model only)	Max.	103		112		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI) (62 model only)	HFA	101	107		
	Full-on telecoil sensitivity @ 1 mA/m (62 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

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

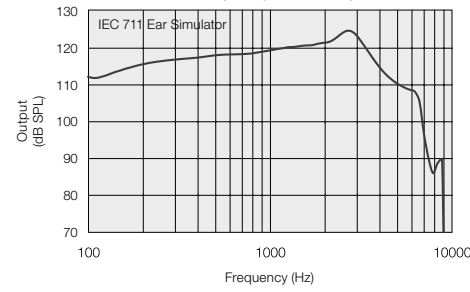
Patents pending

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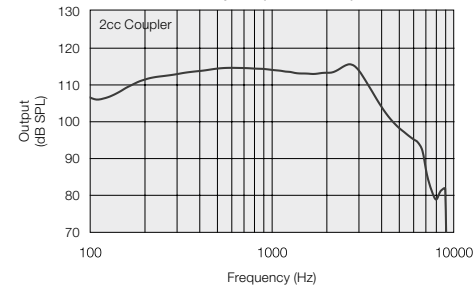
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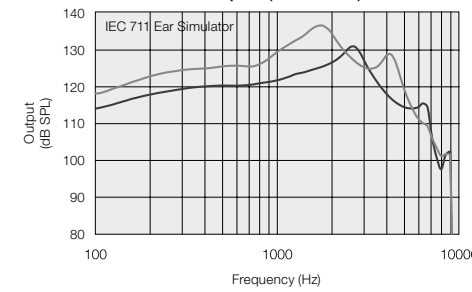
Maximum Output (OSPL 90)



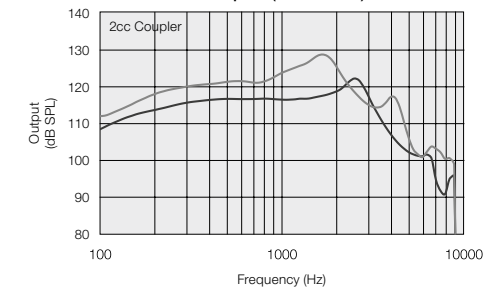
Maximum Output (OSPL 90)



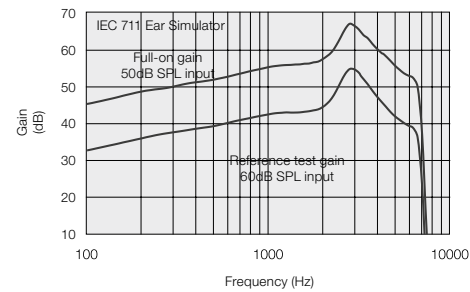
Maximum Output (OSPL 90)



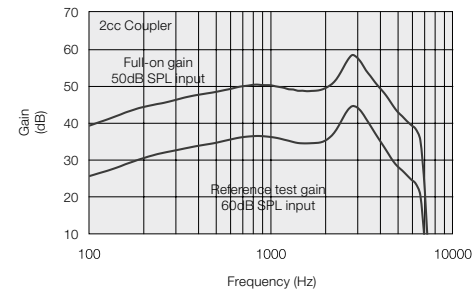
Maximum Output (OSPL 90)



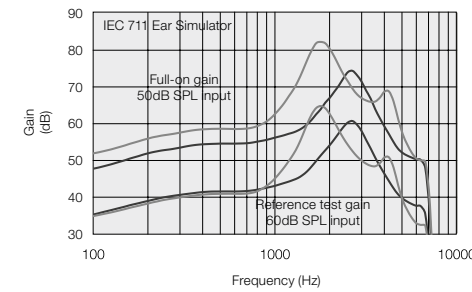
Full-On and Reference Test Gain



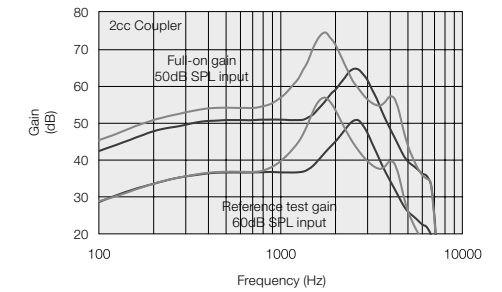
Full-On and Reference Test Gain



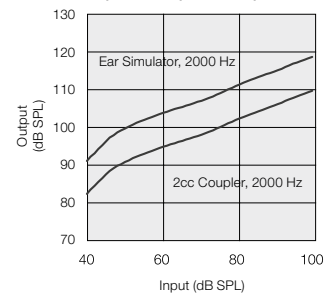
Full-On and Reference Test Gain



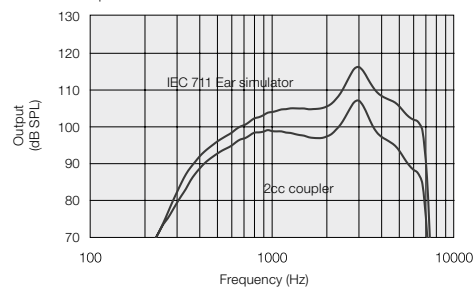
Full-On and Reference Test Gain



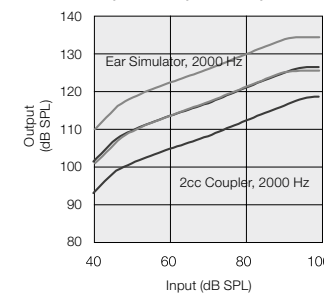
Input/Output Response



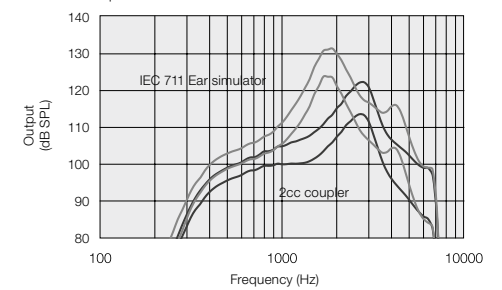
Full-On Telecoil Response (62 model only)
Input level 10 mA/m



Input/Output Response



Full-On Telecoil Response (62 model only)
Input level 10 mA/m



HP ■
UP ■