

ReSound Alera™

Sometimes the strongest connections are the ones you can't see

Product Description

A breakthrough chip, ReSound Range™, is the force behind advanced technology that connects your clients to the important things in life. It enables features that deliver unrivalled sound quality and give clients a sharp perception of where sounds are coming from. Superior wireless technology that establishes strong, invisible connections to essential communication devices. And a design that is so discreet, the only thing clients will feel is more connected.

Standard Configuration

- Wireless connectivity
- Full iSolate™ nanotech coating
- Gore™ membranes on microphones
- Choice of Normal Power (NP) and High Power (HP) receivers
- Supports Open and Closed configurations
- Selection of domes and custom moulds to fit ear canal size and hearing loss needs
- Multi functioning PB - This can be programmed for volume control, program change and streaming activation
- Size 312 battery
- Battery door with integrated On/Off switch
- 13 different colour combinations
- Telecoil with T and MT modes
- Direct Audio Input

Fitting Requirements

- Aventa3 fitting software (3.2 or higher)
- Computer-to-hearing aid wireless fitting. Alternatively, CS44 and programming adaptor
- Wireless fitting interface: Airlink™
- Traditional fitting interface: Hi-Pro, NOAHlink, SpeedLink



AL962-DVIRW, AL762-DVIRW,
AL562-DVIRW
RIE

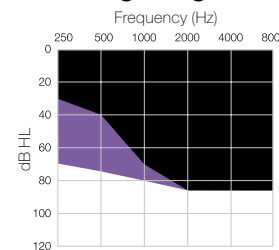
	ReSound Alera™ 9	ReSound Alera™ 7	ReSound Alera™ 5
ReSound Range™ chip	●	●	●
Surround Sound by ReSound			
WARP™ compression - number of bands	17	17	9
Directional Mix (Surround sound processor)	●	●	●
- Adjustable directional mix	●		
DFS Ultra - with built-in WhistleControl™	●	⊙	○
NoiseTracker™ II	●	⊙	○
Personalized noise reduction	●		
Personalization			
Environmental Optimizer™ II	●		
Onboard Analyzer™ II	●	●	●
Speech understanding			
Natural Directionality™ II	●		
AutoScope Adaptive Directionality™	●		
MultiScope Adaptive Directionality™	●	●	
Adaptive Directionality			●
SoftSwitching™	●	●	●
Fixed Directionality	●	●	●
Protection			
WindGuard	●	⊙	
iSolate™ nanotech	●	●	●
Flexible fitting			
Gain handles	9	7	5
Fully flexible programs (up to 4 programs)	●	⊙	○
In-situ Audiometry	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Expansion	●	⊙	○
Wireless connectivity with ReSound Unite™ series			
2.4 GHz wireless technology	●	●	●
Wireless fitting with Airlink™	●	●	●
ReSound Unite™ TV	●	●	●
ReSound Unite™ Remote Control	●	●	●
ReSound Unite™ Phone Clip	●	●	●
ReSound Unite™ Mini Microphone	●	●	●

○ Standard

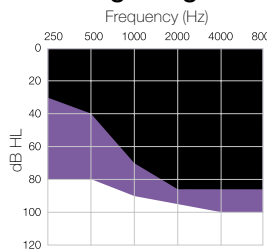
⊙ Advanced

● Ultimate

Fitting Range NP



Fitting Range HP



■ Open configuration ■ Closed configuration

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ReSound Alera™

Technical specifications

		AL962-DVIRW, AL762-DVIRW, AL562-DVIRW Normal Power (NP)					
		IEC 60118-0 IEC 711 Ear simulator		IEC 60118-7-2005 2cc coupler			
		Open	Closed	Open	Closed		
Reference test gain (60 dB SPL input)	1600 Hz/HFA	38	39	30	32	dB	
	2500 Hz/HFA	42	45	-	-	dB	
Full-on gain (50 dB SPL input)	Max.	58	62	47	50	dB	
	1600 Hz/HFA	49	50	41	42	dB	
	2500 Hz/HFA	53	57	-	-	dB	
Maximum output (90 dB SPL input)	Max.	124	125	114	114	dB SPL	
	1600 Hz/HFA	117	116	108	108	dB SPL	
	2500 Hz/HFA	120	121	-	-	dB SPL	
Total harmonic distortion	800 Hz	1,3	1,4	0,8	0,9	%	
	1600 Hz	1,0	1,1	0,7	0,8	%	
Telecoil sensitivity (1 mA/m input)	Max.	89	92	-	-	dB SPL	
	Full-on Telecoil sensitivity @ 1 mA/m	1600 Hz / HFA	80	81	71	72	dB SPL
	HFA – SPLIV @ 31.6 mA/m (ANSI)	HFA	-	-	90	91	dB SPL
Equivalent input noise w/o Noise reduction	1600 Hz	24	24	24	25	dB SPL	
	1/3 octave EIN w/o Noise reduction	1600 Hz	12	12	-	-	dB SPL
Frequency range (DIN 45605)		190-6940	100-6880	100-6790	100-6720	Hz	
Current Drain (Quiescent/Operating)		1,2/1,3	1,2/1,3	1,2/1,3	1,2/1,3	mA	
Typical Battery life time (Battery type 312)		123	123	123	123	hrs	

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

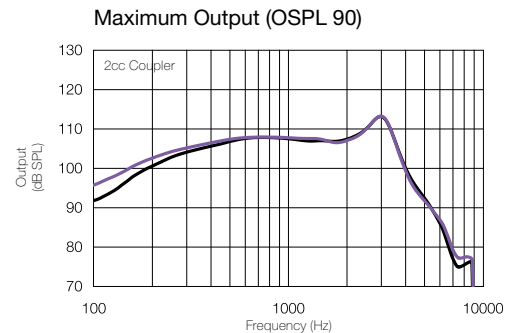
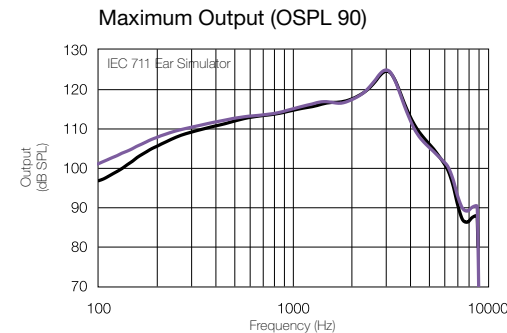
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Technical specifications

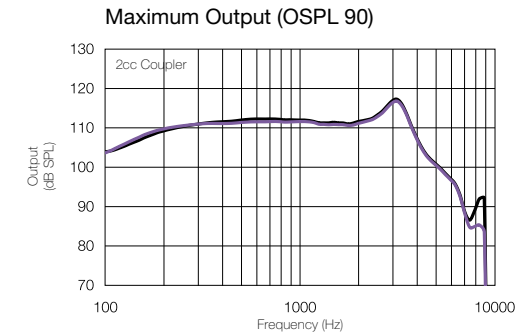
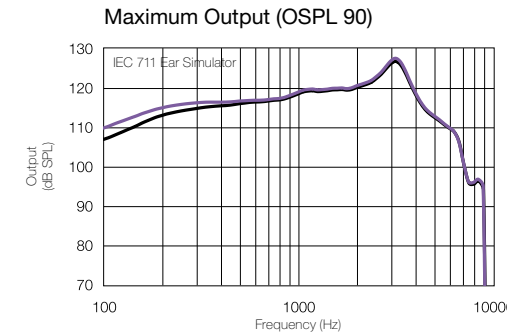
		AL962-DVIRW, AL762-DVIRW, AL562-DVIRW High Power (HP)					
		IEC 60118-0 IEC 711 Ear simulator		IEC 60118-7-2005 2cc coupler			
		Open	Closed	Open	Closed		
Reference test gain (60 dB SPL input)	1600 Hz/HFA	45	45	35	35	dB	
	2500 Hz/HFA	50	50	-	-	dB	
Full-on gain (50 dB SPL input)	Max.	69	69	57	58	dB	
	1600 Hz/HFA	57	57	49	49	dB	
	2500 Hz/HFA	62	62	-	-	dB	
Maximum output (90 dB SPL input)	Max.	127	128	117	117	dB SPL	
	1600 Hz/HFA	120	120	112	112	dB SPL	
	2500 Hz/HFA	123	123	-	-	dB SPL	
Total harmonic distortion	800 Hz	2,4	2,4	1,1	1,0	%	
	1600 Hz	0,9	0,8	0,9	0,8	%	
Telecoil sensitivity (1 mA/m input)	Max.	99	99	-	-	dB SPL	
	Full-on Telecoil sensitivity @ 1 mA/m	1600 Hz / HFA	88	88	79	79	dB SPL
	HFA – SPLIV @ 31.6 mA/m (ANSI)	HFA	-	-	96	96	dB SPL
Equivalent input noise w/o Noise reduction	1600 Hz	24	24	26	26	dB SPL	
	1/3 octave EIN w/o Noise reduction	1600 Hz	11	11	-	-	dB SPL
Frequency range (DIN 45605)		130-7170	100-7170	100-7150	100-7140	Hz	
Current Drain (Quiescent/Operating)		1,2/1,3	1,2/1,3	1,2/1,4	1,2/1,4	mA	
Typical Battery life time (Battery type 312)		123	123	114	114	hrs	

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

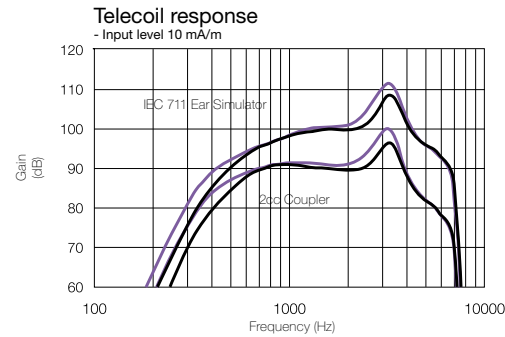
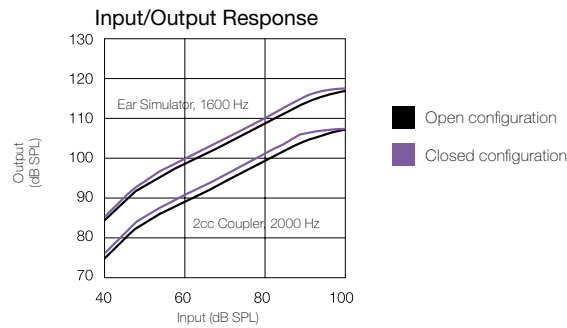
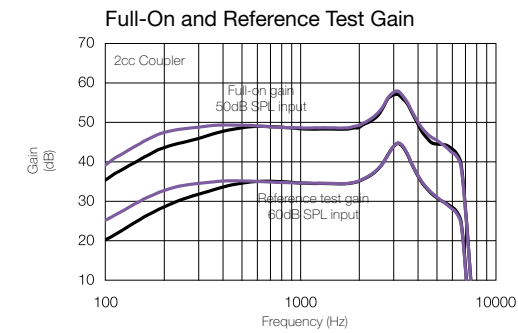
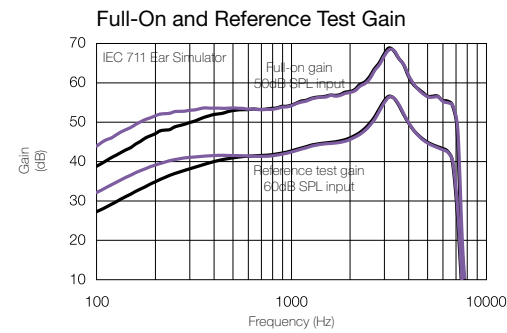
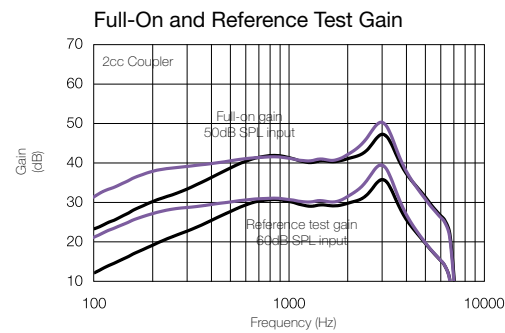
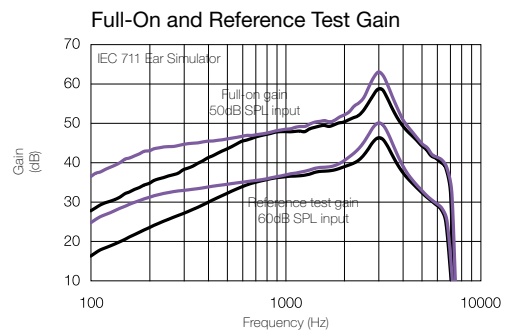
Patents pending



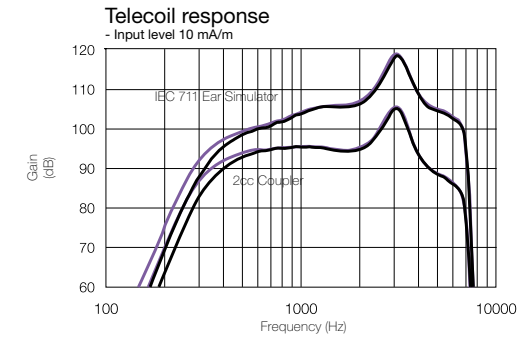
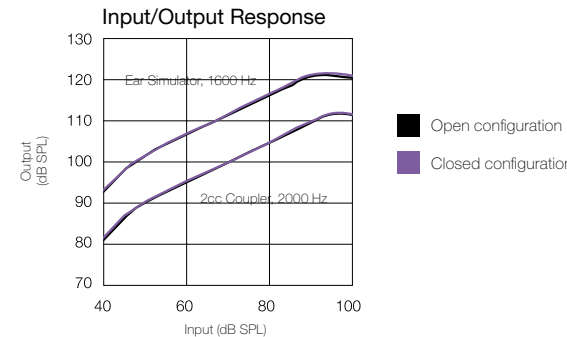
Patents pending



All specifications are subject to change without notice



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Full-on Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	22	27	27	27	27	27	27	27	27
G[50]	37	42	42	42	42	42	42	42	42

Reference Test Gain Parameter Settings for 118-0

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	15	20	20	20	20	20	20	20	20
G[50]	30	35	35	35	35	35	35	35	35

Reference Test Gain Parameter Settings for ANSI and 118-7

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	16	21	21	21	21	21	21	21	21
G[50]	31	36	36	36	36	36	36	36	36

*Settings in accordance with Aventa fitting software. Supply Voltage 1.3 V.

Full-on Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	28	33	33	33	33	33	33	33	33
G[50]	44	49	49	49	49	49	49	49	49

Reference Test Gain Parameter Settings for ANSI and 118-7

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	19	24	24	24	24	24	24	24	24
G[50]	35	40	40	40	40	40	40	40	40

*Settings in accordance with Aventa fitting software. Supply Voltage 1.3 V.