ReSound Alera®

PRODUCT INFORMATION

AL962-DVIRW
AL762-DVIRW
AL562-DVIRW

Receiver-in-the-ear (RIE)
wireless

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

Product description

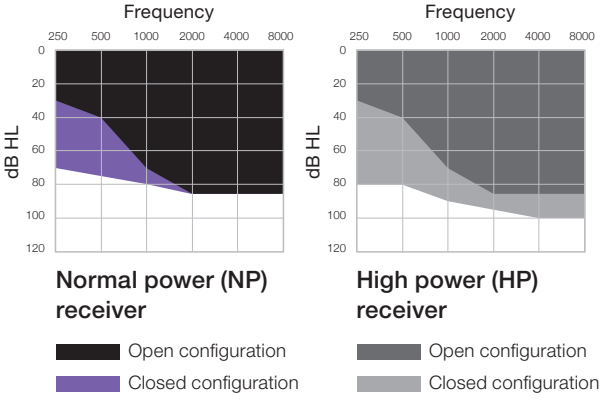
A breakthrough platform, ReSound Range™, is the force behind an advanced technology that connects your patients to the important things in life. It enables features that deliver unrivalled sound quality and gives patients a sharp perception of where sounds are coming from.

Superior wireless technology in ReSound Alera wireless models establishes strong, invisible connections to essential communication devices. All this in a design that is so discreet, the only thing patients will feel is more connected.

Price category:	Top	Plus	Basic
	ReSound Alera®		
Key features	9	7	5
ReSound Range™ platform	●	●	●
Surround Sound by ReSound™			
Warp™ compression bands	17	17	9
Directional Mix (surround sound) processor (•) —with adjustable directional mix (••)	●●	●	●
DFS Ultra™ with built-in WhistleControl™	●	◉	○
NoiseTracker™ II (◉ or ○)—with personalized noise reduction per environment (••)	●●	◉	○
Personalization			
Environmental Optimizer™ II	●		
Onboard Analyzer™ II datalogging	●	●	●
Programmable volume control	●	●	●
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	6
Up to 4 customizable programs	●	◉	○
In-Situ Audiometry	●	●	●
SmartStart™	●	●	●
PhoneNow™ with auto-phone	●	●	●
Programmable telecoil and PhoneNow™ with auto-telecoil	●	●	●
Direct Audio Input (DAI)	●	●	●
Expansion—software configurable	●	◉	○
Wireless connectivity			
2.4 GHz wireless technology	●	●	●
Wireless fitting with Airlink®	●	●	●
ReSound Unite® Mini Microphone	●	●	●
ReSound Unite TV	●	●	●
ReSound Unite Remote Control	●	●	●
ReSound Unite Phone Clip	●	●	●

● Ultimate ◉ Advanced ○ Standard

Fitting range



Normal power (NP) receiver

Open configuration
Closed configuration

High power (HP) receiver

Open configuration
Closed configuration

Fitting requirements

- Aventa® 3 fitting software (3.2.5 or higher)
- Wireless fitting option: Airlink®
- Non-wireless interface fitting options: Speedlink, NOAHlink® or HI-PRO® with the CS44 socket cable and Programming Adaptor I

Standard configuration

- Wireless connectivity
- Dual microphone technology
- Size 312 battery
- Multifunction switch—programmable for volume control, program change and streaming activation
- Normal power (NP) and high power (HP) receiver options
- Open fitting capabilities
- Supports multiple domes and custom micro-mold
- Available in 13 colors

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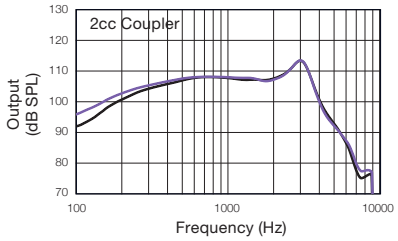
Technical specifications

ANSI S3.22–2003, 2cc coupler

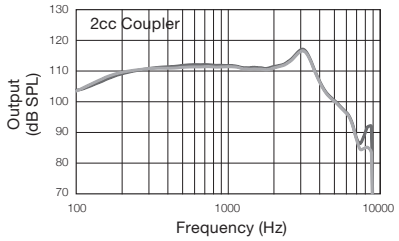
		RIE AL962-DVIRW, AL762-DVIRW, AL562-DVIRW				
		NP Receiver		HP Receiver		
		Open	Closed	Open	Closed	
Reference test gain (60 dB SPL input)	HFA	30	32	35	35	dB
Full-on gain (50 dB SPL input)	Max	47	50	57	58	dB
	HFA	41	42	49	49	dB
Maximum output (90 dB SPL input)	Max	114	114	117	117	dB SPL
	HFA	108	108	112	112	dB SPL
Total harmonic distortion	500 Hz	0.8	0.8	0.8	0.7	%
	800 Hz	0.8	0.9	1.1	1.0	%
	1600 Hz	0.7	0.8	0.9	0.8	%
Telecoil sensitivity (SPLIV @ 31.6 mA/m)	HFA	90	91	96	96	dB SPL
Equivalent input noise (without noise reduction)		24	25	26	26	dB SPL
Frequency range (DIN 45605)		100–6790	100–6720	100–7150	100–7140	Hz
Attack and release times (ANSI RTG -7 dB)	Attack	12	12	12	12	ms
	Release	70	70	70	70	ms
Current drain	Battery size 312	1.2	1.2	1.2	1.2	mA

Data in accordance with ANSI S3.22–2003; Supply Voltage 1.3 V.

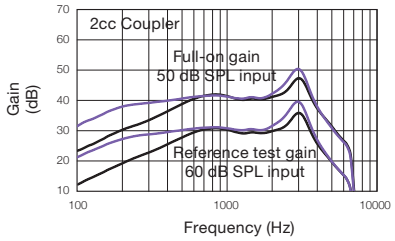
NP Maximum output (OSPL 90)



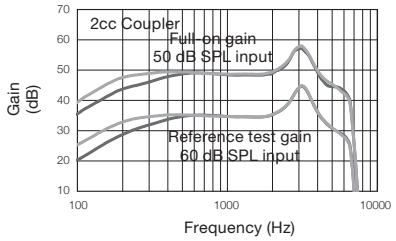
HP Maximum output (OSPL 90)



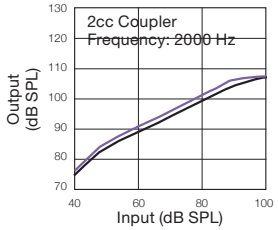
NP Full-on and reference test gain

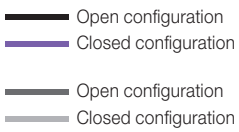


HP Full-on and reference test gain

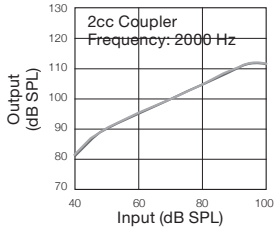


NP Input/Output response





HP Input/Output response



NP Parameter settings:*

Open—AL962-DVIRW, AL762-DVIRW, AL562-DVIRW

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

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

Closed—AL962-DVIRW, AL762-DVIRW, AL562-DVIRW

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

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

HP Parameter settings:*

Open—AL962-DVIRW, AL762-DVIRW, AL562-DVIRW

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

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

Closed—AL962-DVIRW, AL762-DVIRW, AL562-DVIRW

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

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

**Settings in accordance with Aventa fitting software*

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