

ReSound Alera®



PRODUCT INFORMATION

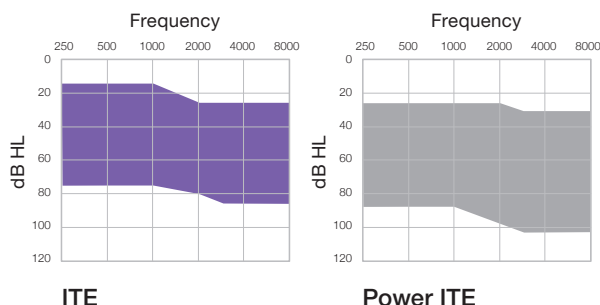
It simply sounds better!

Product description

The ReSound Alera® family includes a complete custom product line that is built on a breakthrough platform, ReSound Range™, which is the force behind our advanced hearing instrument technology. It enables features that deliver unrivalled sound quality and give patients a sharp perception of where sounds are coming from to create a surround sound experience.

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.

Fitting range



Fitting requirements

- Aventa® 3 fitting software (3.3 or higher)
- Interface fitting options: Speedlink (recommended), NOAHlink® or HI-PRO® with either the CS53 flex strip plus CS44 socket cable, or the CS63 cable and flex strip combination
- Fresh battery

**AL940, AL740, AL540-/D/W/DW
AL950, AL750, AL550-/D/W/DW**

**AL940, AL740, AL540-P/DP/PW/DPW
AL950, AL750, AL550-P/DP/PW/DPW**

ITE, Power ITE
single microphone, dual microphone
non-wireless, wireless

Price category: Top Plus Basic

Key features	ReSound Alera®		
	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 with protective filters	●	●	●
Flexible fitting			
Gain handles	9	7	6
Up to 4 customizable programs	●	⊙	○
SmartStart™	●	●	●
PhoneNow™ with auto-phone	●	●	●
Programmable telecoil and PhoneNow™ with auto-telecoil ††	●	●	●
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 †	●	●	●

● Standard
○ Advanced
⊙ Ultimate

Standard configuration

- Wireless connectivity †
- Dual microphone technology*
- Size 312 battery (half shell)
- Size 13 battery (full shell)
- Push button program selector (optional)
- Supports StepVent
- Available in 5 colors

† Available in "W" (wireless) models only

†† Available in non-wireless models only

* Available in "D" (directional) models only

GN ReSound North America • 8001 Bloomington Freeway, Bloomington, MN 55420 • 1-800-248-4327

Government Services: 1-800-392-9932 • VAinfo@gnsound.com

GN ReSound Canada • 303 Supertest Road, Toronto, Ontario M3J 2M4 • 1-888-737-6863

gnsound.com • customerexperience@gnsound.com

ReSound

rediscover hearing

Technical specifications

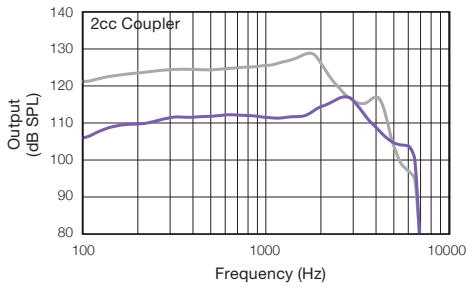
ANSI S3.22-2003, 2cc coupler

ITE	
Standard	Power
AL940/740/540-/W	AL940/740/540-P/PW
AL940/740/540-D/DW	AL940/740/540-DP/DPW
AL950/750/550-/W	AL950/750/550-P/PW
AL950/750/550-D/DW	AL950/750/550-DP/DPW

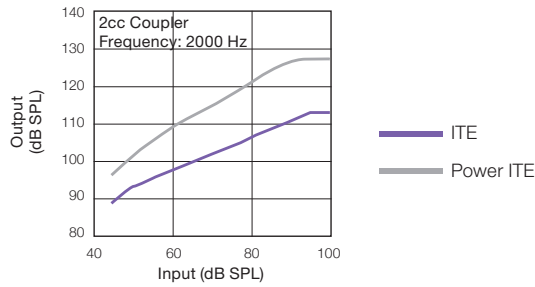
Reference test gain (60 dB SPL input)	HFA	37	47	dB
Full-on gain (50 dB SPL input)	Max	52	57	dB
	HFA	47	53	dB
Maximum output (90 dB SPL input)	Max	117	129	dB SPL
	HFA	113	124	dB SPL
Total harmonic distortion	500 Hz	0.6	0.2	%
	800 Hz	0.9	1.3	%
	1600 Hz	1.0	0.1	%
Telecoil sensitivity (SPLIV @ 31.6 mA/m)	HFA	97	109	dB SPL
Equivalent input noise (without noise reduction)		23	24	dB SPL
Frequency range (DIN 45605)		100–7110	100–4970	Hz
Attack and release times (ANSI RTG -7 dB)	Attack	12	12	ms
	Release	70	70	ms
Current drain	Battery size 13 (full shell)	1.2	1.2	mA
	Battery size 312 (half shell)	1.2	1.2	mA

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

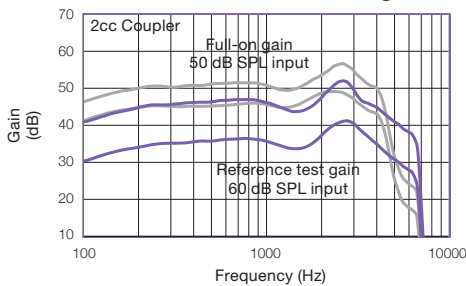
Maximum output (OSPL 90)



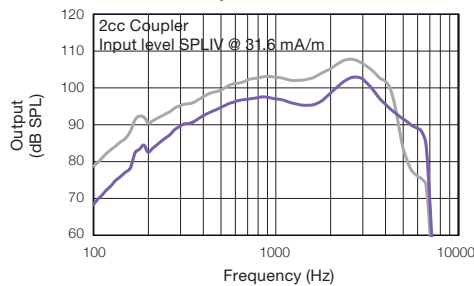
Input/Output response



Full-on and reference test gain



Telecoil response



Parameter settings*:

AL940, AL740, AL540-/D/W/DW
AL950, AL750, AL550-/D/W/DW

FOG	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[50]	48	48	48	48	48	48	48	48	48
G[80]	29	29	29	28	32	29	32	32	32

RTG	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[50]	43	43	43	43	43	43	43	43	43
G[80]	24	24	24	23	27	24	27	27	27

Power parameter settings*:

AL940, AL740, AL540-P/DP/PW/DPW
AL950, AL750, AL550-P/DP/PW/DPW

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]	30	30	30	29	33	30	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]	45	45	45	45	45	45	45	45	45
G[80]	26	26	26	25	29	26	29	29	29

*Settings in accordance with Aventa fitting software