

Beltone Amaze™

Product Description

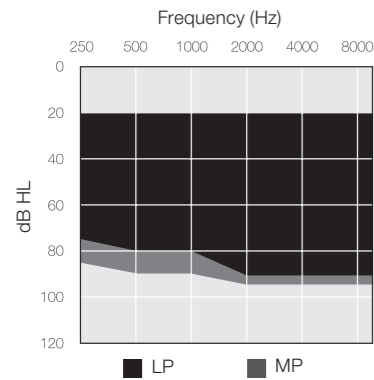
Beltone Amaze models 63 DWRC and 64 DWR Receiver-in-the-Ear (RIE) have four selectable receiver power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP). Model 63 is rechargeable, featuring a fully integrated lithium ion battery that lasts up to 30 hours. It comes with a hearing aid charger.

The new product platform of Beltone Amaze offers extended bandwidth of up to 9.5 KHz and a higher input dynamic range of up to 116 dB SPL. Because of its strong base of CrossLink Directionality 2, highest dynamic range and extended bandwidth, the product offers a truly amazing hearing experience in all situations with clearer, fuller and richer sound quality.

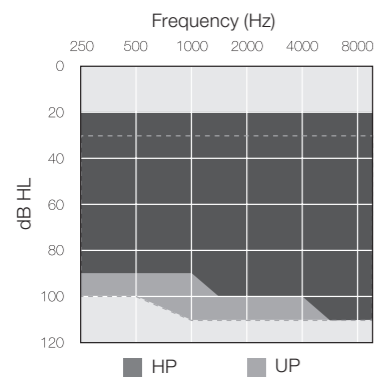
The 6th generation 2.4 GHz wireless functionality allows cloud connectivity with Beltone Remote Care, allowing the hearing aids to communicate with each other and to connect to iPhone, iPad, iPod touch, and Android phones.

Beltone Amaze RIE hearing aids are HPF80 NanoBlock coated for optimum durability and meet the IP58 classification for ingress protection.

Fitting Range - Closed



Fitting Range - Closed



Compatible with iPhone 5 and later, iPad Pro, iPad Air and later, iPad mini and later, iPad (4th generation) and later, iPod touch (5th generation) and later using iOS 8.0 or later.
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Model	AMZ1763-DRWC AMZ1764-DRW	AMZ963-DRWC AMZ964-DRW
Device Configurations		
Battery	Rechargeable Lithium-Ion for model 63 13 Zinc-Air for model 64	
Power levels	LP, MP, HP & UP	
Colors available	8	
Audiological Features		
Curvilinear Rapid (WDRC)	17	14
CrossLink Directionality 2	●	
Personal Sound ID	●	
CrossLink Directionality		●
Spatial Directionality	●	●
Band-split Directionality	●	●
Adjustable Mixing point Frequency	●	●
Synchronized Speech Spotter Pro	●	●
Smart Beam Steering	●	●
Adaptive Directionality	●	○
Smart Gain Pro	●	
Smart Gain		●
Sound Cleaner Pro	●	○
Silencer	●	●
Impulse Noise Reduction	●	●
Wind Noise Reduction	●	○
Sound Shifter	●	●
Feedback Eraser with WhistleStop	●	
Feedback Eraser		○
AFX Music Mode	●	●
Synchronized Satisfy	●	●
Low Frequency Boost (Only UP)	●	○
Amplification Strategy (WDRC/Semi-Linear/Linear - Only UP)	●	●
Tinnitus Breaker Pro	●	●
Functional Features		
Synchronized Push Button *	●	●
Synchronized Volume Control **	●	●
Delayed Activation	●	●
Auto-Phone	●	●
Asymmetric Phone Handling	●	●
Ear to Ear Communication	●	●
Direct audio streaming (Made for iPhone)	●	●
Beltone Direct TV Link 2, myPAL Pro and Micro, Phone Link 2 & Remote Control 2	●	●
Beltone HearMax app	●	●
Beltone Remote Care		
Remote Fine Tuning	●	●
Remote Firmware Updates	●	●
Fitting Features		
Fitting Software Solus Max 1.3 or higher	●	●
Fully Flexible Programs	4	4
Safeguard Feedback Control	●	●
Satisfaction Journal	●	●
Noahlink Wireless	●	●

○ Basic Settings
○ Advanced Settings
● Ultimate Settings

* Also including functionality for synchronized Push Button Volume Control
** Only for 64 models

Beltone Amaze™

Hearing Aid Charger

The Beltone Amaze hearing aid charger is a premium portable charger designed for the RIE 63 model. It is small, compact and easy to carry around.

- It's intuitive and easy to use with 5 LEDs that shows the battery level of the hearing aids and 3 LEDs on the back that shows the level of the internal battery of the charger
- It charges two hearing aids fully within 3 hours
- When fully charged the hearing aid charger has capacity for three full charges of two hearing aids



Technical data	
Dimensions	99.4 x 35 x 67.5 mm / 3.9 x 1.4 x 2.7 "
Weight	145 gram / 5.1 oz
Power Supply	Rechargeable Lithium Ion battery
Power Connector	Micro USB
Power Source	3.7 V, 2200 mAh
Charging time for internal lithium ion battery in Charger	Max 3 hours, depending on initial state of the battery
Battery life (fully charged, not connected to mains power)	*Min. 3 full charges of 2 hearing instruments, Without hearing instruments: 12 months*
Charging time for Hearing Instrument	Maximum 3 hours, depending on initial state of the battery
Wireless frequency between Hearing Instrument and Charger	2.4 GHz, 267 kHz and 333 kHz
ESD tolerance	According IEC 61000-4-2 Electrostatic discharge immunity test standard
Operating & Charging temperature	0 to 40 °C / 32 to 104 °F
Storage temperature for charger and Hearing Instrument	-20 to 45 °C / -4 to 113 °F

Manufacturer according to FDA:
Beltone
8001 E Bloomington Freeway
Bloomington, MN 55420
USA
1-800-BELTONE
beltone.com

Manufacturer according to Health Canada:
Beltone Canada
301 Superstest Road
Toronto, ON M3J 2M4
Canada
1-800-387-3744
beltone.ca

Manufacturer according to Health Canada:
Hearing aid charger
GN Hearing A/S
Lautrupbjerg 7
DK-2750 Ballerup
Denmark



Technical Specifications

		AMZ63-DRWC (LP) and AMZ64-DRW (LP)		AMZ63-DRWC (MP) and AMZ64-DRW (MP)			
		IEC 60118-0: 1983_AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	IEC 60118-0: 1983_AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler		
Reference test gain (60 dB SPL input)	1600 Hz/HFA	41	32	45	36	dB	
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	62	52	67	58	dB	
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	123	113	125	116	dB SPL	
Total harmonic distortion	500 Hz	0.9	0.5	0.4	0.3	%	
	800 Hz	1.3	0.8	0.9	0.4		
	1600 Hz	0.8	0.5	0.8	0.7		
Equivalent input noise, w/o Noise reduction		22	21	25	24	dB SPL	
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	9	10	11	dB SPL	
Frequency range IEC 60118-0: 2015		100-9520*	100-9060	100-9500*	100-9000	Hz	
Expected operating time (model 61)**		30	30	30	30	Hours	
Current Drain (Quiescent / Operating) (Model 62)		1.13/1.19	1.13/1.28	1.13/1.16	1.13/1.19	mA	

* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.

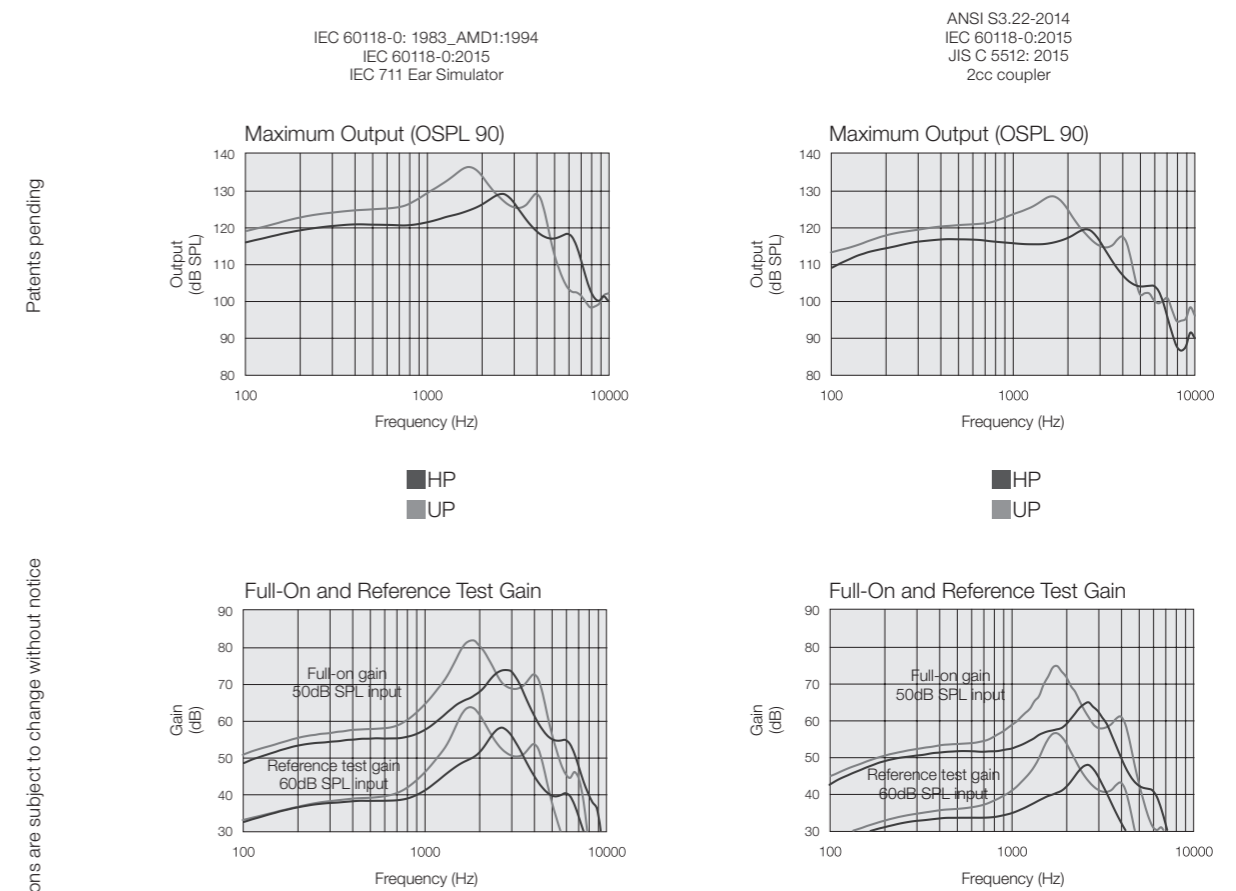
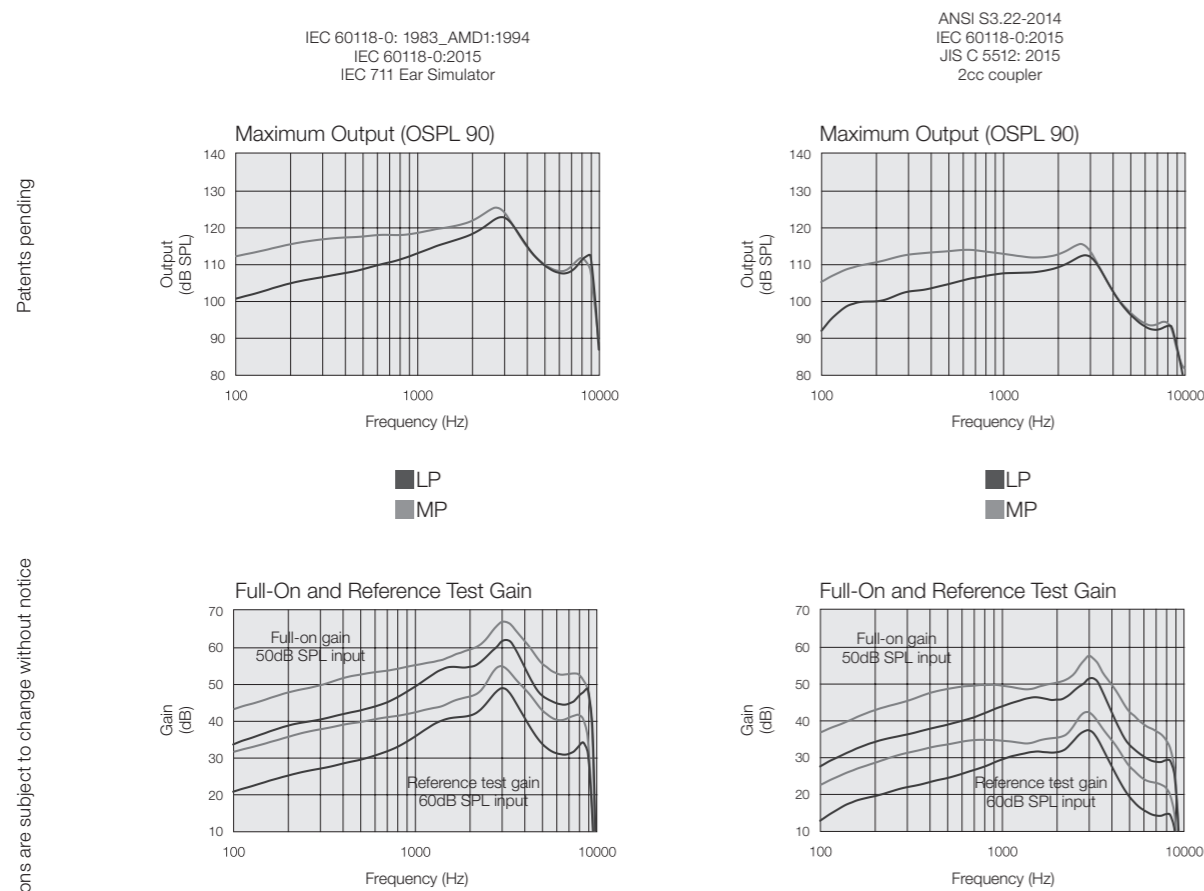
** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

Technical Specifications

		AMZ63-DRWC (HP) and AMZ64-DRW (HP)		AMZ63-DRWC (UP) and AMZ64-DRW (UP)			
		IEC 60118-0: 1983_AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	IEC 60118-0: 1983_AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler		
Reference test gain (60 dB SPL input)	1600 Hz/HFA	49	40	61	47	dB	
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	74	65	82	75	dB	
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	129	120	136	128	dB SPL	
Total harmonic distortion	500 Hz	0.6	0.3	1.2	1.0	%	
	800 Hz	1.5	0.7	2.2	1.6		
	1600 Hz	0.6	0.5	0.1	0.1		
Equivalent input noise, w/o Noise reduction		24	22	15	21	dB SPL	
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	10	10	9	dB SPL	
Frequency range IEC 60118-0: 2015		100-7600*	100-6750	100-5270*	100-4920	Hz	
Expected operating time (model 61)**		30	30	30	30	Hours	
Current Drain (Quiescent / Operating) (Model 62)		1.13/1.16	1.13/1.18	1.14/1.29	1.14/1.21	mA	

* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.

** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.



Patents pending

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All specifications are subject to change without notice

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