ReSound OMNIA™



Closed



Open

Model	RU977-DWC	RU777-DWC	RU577-DWC
Device Configurations			
Battery size	Rechargeable Lithium-Ion		
Control Options	PB		
IP Classification	IP68		
Audiological Features			
Number of Channels	17	14	12
360 All-Around	●	–	–
All Access Directionality	–	●	–
Binaural Directionality III	–	–	●
Spatial Sense	●	●	●
Front Focus	●	–	–
Ultra Focus	–	●	–
Synchronized Soft Switching	●	●	●
Environmental Optimizer II	●	–	–
Environmental Optimizer I	–	●	●
Noise Tracker II	5 settings	3 settings	2 settings
Expansion	3 settings	2 settings	On/Off
Impulse Noise Reduction	3 settings	3 settings	On/Off
Wind Guard	3 settings	2 settings	On/Off
Sound Shaper	●	●	●
DFS Ultra III (w/ Music Mode)	●	●	●
Synchronized Acceptance Manager	●	●	●
Tinnitus Sound Generator	●	●	●
Functional Features			
Ear to Ear Communication	●	●	●
Direct audio streaming	●	●	●
Telecoil (TC)	●	●	●
ReSound TV Streamer 2, Remote Control, Remote Control 2, Phone Clip+, Micro Mic and Multi Mic	●	●	●
ReSound Smart 3D™ app	●	●	●
Sound Enhancer (ReSound Smart 3D™ app)	●		
Remote Fine Tuning and Updates			
ReSound Assist	●	●	●
ReSound Assist Live	●	●	●
Remote Firmware Updates	●	●	●
Fitting Features			
Fitting Software Smart Fit™ 1.16 or higher	●	●	●
Fully Flexible Programs	4	4	4
Auto DFS	●	●	●
Datalogging	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●

Made for iPhone | iPad | iPod

Works with android

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Charger



Charging cable



AC/DC Adaptor
(EU example)

Technical data	Desktop Charger
Dimensions	82 mm x 36 mm x 46 mm / 3.2” x 1.4” x 1.8”
Weight	82 grams / 2.9 oz
Power Supply	USB power supply, 5 V
Charging form factor (CFF)	70
Charging time for the hearing instrument	< 40 °C (104F): 3 hours, depending on initial state of the battery
Wireless frequency between the hearing instrument and charger	2.4 GHz and 333 kHz
ESD tolerance	According to IEC 61000-4-2 Electrostatic discharge immunity test standard
Operating & Charging temperature	+ 5 °C (41F) to + 40 °C (104F) at a relative humidity range of 15% to 90%, non-condensing
Storage temperature for charger and hearing instrument	– 25 °C (-13F) to + 5 °C (41F), + 5 °C (41F) to + 35 °C (95F) at a relative humidity up to 90%, non-condensing, > 35 °C (95F) to 70 °C (158F) at a water vapor pressure up to 50 hPa

4022060 11US-CA-VA-24.01-Rev.B

Manufacturer according to FDA:

Hearing aids
GN ReSound North America
8001 E Bloomington Freeway
Bloomington, MN 55420
USA
1-888-735-4327
resound.com

ReSound Government Services
8001 E Bloomington Freeway
Bloomington, MN 55420
USA
1-800-392-9932
resound.com/veterans

Manufacturer according to Health Canada:

Hearing aids
ReSound Canada
2 East Beaver Creek Road, Building 3
Richmond Hill, ON L4B 2N3
Canada
1-888-737-6863
resound.com

Manufacturer according to Health Canada:

Hearing aid charger
GN Hearing A/S
Lautrupbjerg 7
DK-2750 Ballerup
Denmark

Technical specifications

		RU77-DWC (Closed) IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	RU77-DWC (Closed) ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	46	45	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	67 56	60 53	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	135 126	128 122	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.4 1.0 0.8	0.3 0.7 0.6	%
Telecoil sensitivity (1 mA/m input) HFA - SPLIV @ 31.6 mA/m (ANSI) Full-on telecoil sensitivity @ 1mA/m	Max. HFA 1600 Hz/HFA	98 110 87	91 105 83	dB SPL
Equivalent input noise, w/o noise reduction		25	20	dB SPL
1/3 Octave Equivalent input noise, w/o noise reduction	1600 Hz	10	10	dB SPL
Frequency range IEC60118-0:2015*		100-7960	100-6240	Hz
Battery Lifetime (Battery type Rechargeable)**		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

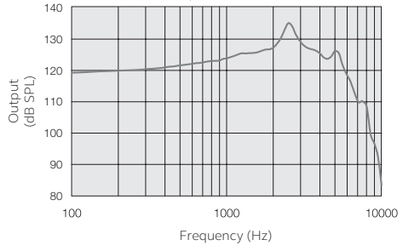
* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.
** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

Patents pending.

All specifications are subject to change without notice.

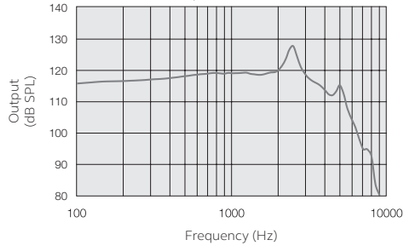
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

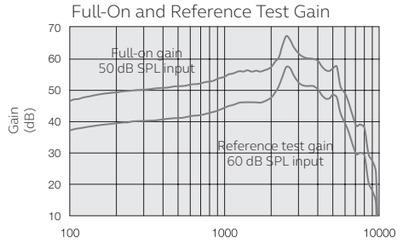


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

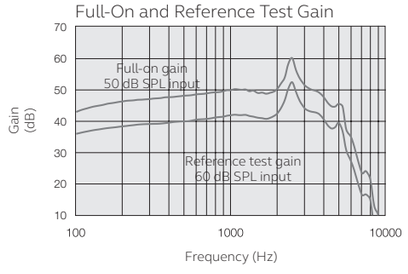
Maximum Output (OSPL 90)



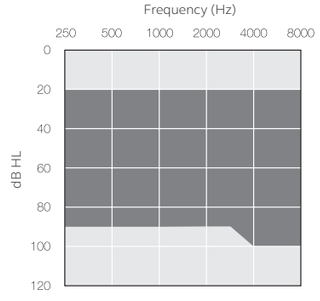
Full-On and Reference Test Gain



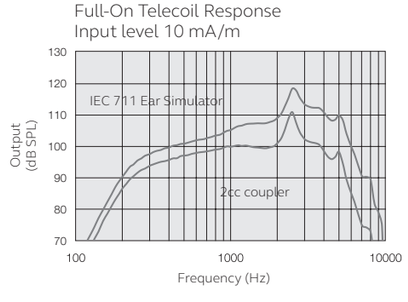
Full-On and Reference Test Gain



Fitting Range



Full-On Telecoil Response
Input level 10 mA/m



Technical specifications

		RU77-DWC (Open) IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	RU77-DWC (Open) 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	40	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	62 52	53 47	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	131 121	127 116	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.2 0.2 0.9	0.1 0.1 0.7	%
Telecoil sensitivity (1 mA/m input) HFA - SPLIV @ 31.6 mA/m (ANSI) Full-on telecoil sensitivity @ 1mA/m	Max. HFA 1600 Hz/HFA	94 105 83	85 100 78	dB SPL
Equivalent input noise, w/o noise reduction		25	22	dB SPL
1/3 Octave Equivalent input noise, w/o noise reduction	1600 Hz	9	9	dB SPL
Frequency range IEC60118-0:2015*		100-8430	100-6990	Hz
Battery Lifetime (Battery type Rechargeable)**		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

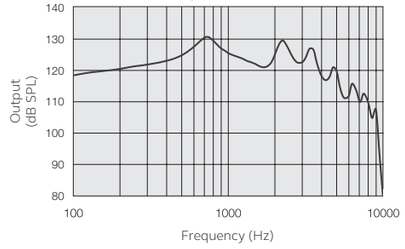
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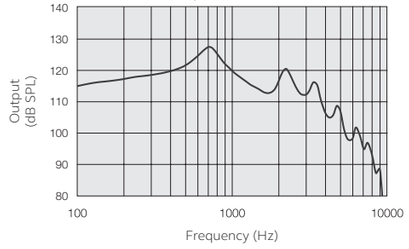
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

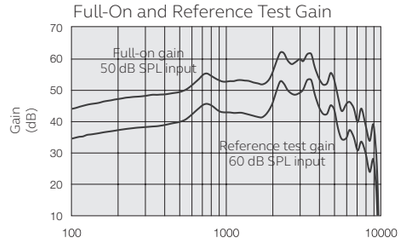


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

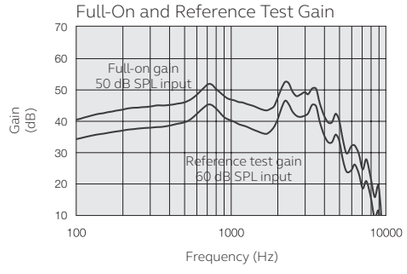
Maximum Output (OSPL 90)



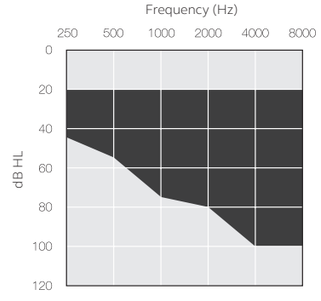
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Fitting Range



Full-On Telecoil Response
Input level 10 mA/m

