



Model	RU977-DWC	RU777-DWC	RU577-DWC	RU477-DWC
Device Configurations				
Battery size	Rechargeable Lithium-Ion			
Control Options	PB			
IP Classification	IP68			
Audiological Features				
Number of Channels	17	14	12	12
360 All-Around	●	-	-	-
All Access Directionality	-	●	-	-
Binaural Directionality III	-	-	●	-
Binaural Directionality	-	-	-	●
Spatial Sense	●	●	●	-
Front Focus	●	-	-	-
Ultra Focus	-	●	-	-
Synchronised Soft Switching	●	●	●	●
Environmental Optimiser II	●	-	-	-
Environmental Optimiser I	-	●	●	-
Noise Tracker II	5 settings	3 settings	2 settings	On/Off
Expansion	3 settings	2 settings	On/Off	On/Off
Impulse Noise Reduction	3 settings	3 settings	On/Off	On/Off
Wind Guard	3 settings	2 settings	On/Off	On/Off
Sound Shaper	●	●	●	●
DFS Ultra III (w/ Music Mode)	●	●	●	●
Synchronised 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	4
Auto DFS	●	●	●	●
Datalogging	●	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●	●



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 Hearing Instrument	< 40 °C (104F): 3 hours, depending on initial state of the battery
Wireless frequency between 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 vapour pressure up to 50 hPa



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Technical Specifications

RU77-DWC (Closed)	
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	46	45	dB
Full-on gain (50 dB SPL input)	1600 Hz/HFA	67	60	dB
Maximum output (90 dB SPL input)	Max.	135	128	dB SPL
	1600 Hz/HFA	126	122	
Total harmonic distortion	500 Hz	0.4	0.3	%
	800 Hz	1.0	0.7	
	1600 Hz	0.8	0.6	
Telecoil sensitivity (1 mA/m input)	Max.	98	91	dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	110	105	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	87	83	
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)**		24	24	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.

Technical Specifications

RU77-DWC (Open)	
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	40	dB
Full-on gain (50 dB SPL input)	1600 Hz/HFA	62	53	dB
Maximum output (90 dB SPL input)	Max.	131	127	dB SPL
	1600 Hz/HFA	121	116	
Total harmonic distortion	500 Hz	0.2	0.1	%
	800 Hz	0.2	0.1	
	1600 Hz	0.9	0.7	
Telecoil sensitivity (1 mA/m input)	Max.	94	85	dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	105	100	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	83	78	
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)**		24	24	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.

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