ReSound Nexia™



Closed

Open

Model	NX977-DWC	NX777-DWC	NX577-DWC	NX477-DWC*
Device Configurations				
Battery size	Rechargeable Lithium-Ion			
Control Options	Push button			
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	●	●	●	●
Bluetooth® Auracast™	●	●	●	●
Direct audio streaming (compatible iOS** and Android™ devices)	●	●	●	●
Telecoil	●	●	●	●
TV-Streamer+	●	●	●	●
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 ReSound Smart Fit™ 1.18 or higher	●	●	●	●
Fully Flexible Programs	4	4	4	4
Auto DFS	●	●	●	●
Datalogging	●	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●	●

* Availability of models may vary by country.
** MFi supports hands-free calls for iPhone 11 or later, iPad Pro 12.9-inch (5th generation), iPad Pro 11-inch (3rd generation), iPad Air (4th generation), iPad mini (6th generation), iPad (10th generation) or later, with software updates iOS 15.3 and iPadOS 15.3 or later.



Charger



Charging cable



AC/DC Adaptor
(EU example)

Technical data	Desktop Charger
Dimensions	82,0 mm x 36,0 mm x 45,3 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	< 35 °C (95F): 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 + 35 °C (95F) 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 60 °C (140F) at a water vapour pressure up to 50 hPa

Made for iPhone | iPad | iPod

Works with Android

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Technical Specifications

		NX77-DWC (Closed) IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	NX77-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		<200 - 7960	<200 - 6240	Hz
Battery Lifetime (Battery type Rechargeable)*		30 (max) 24 (typ)	30 (max) 24 (typ)	Hours

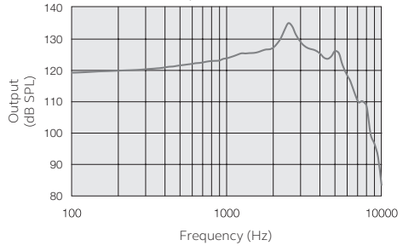
* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

Patents pending.

All specifications are subject to change without notice.

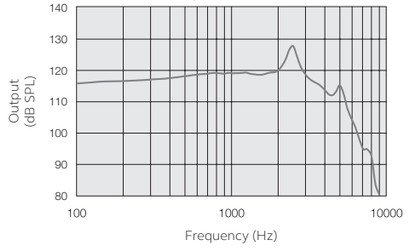
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

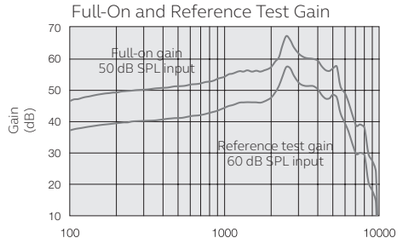


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

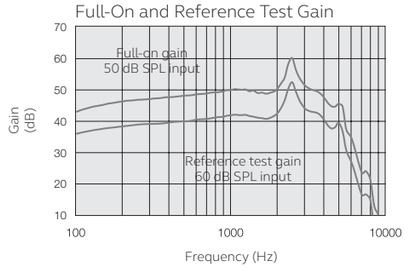
Maximum Output (OSPL 90)



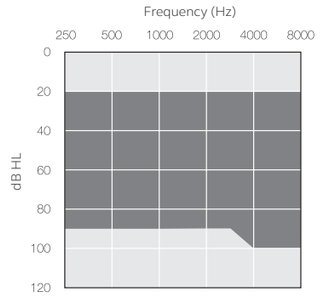
Full-On and Reference Test Gain



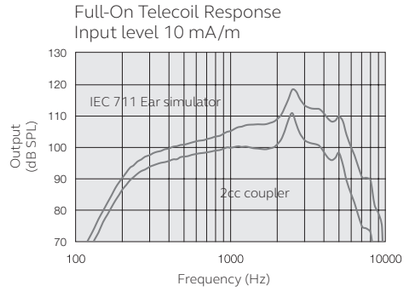
Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m



Technical Specifications

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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		<200 - >8000	<200 - 6990	Hz
Battery Lifetime (Battery type Rechargeable)*		30 (max) 24 (typ)	30 (max) 24 (typ)	Hours

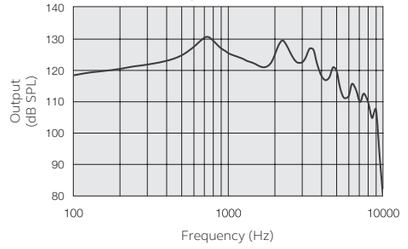
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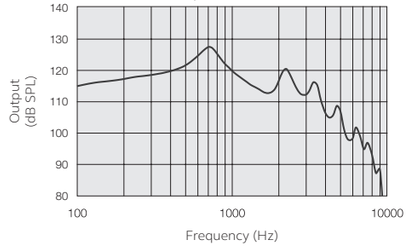
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Maximum Output (OSPL 90)

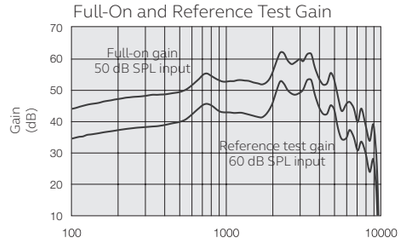


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

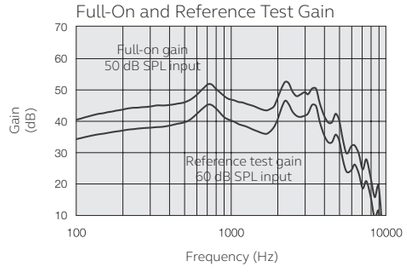
Maximum Output (OSPL 90)



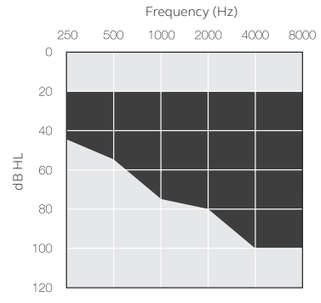
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m

