# Interton Ready

## Product Description

The new Interton Ready is a full family of hearing aids built on the GN 2.4 GHz wireless technology featuring ear-to-ear communication, directionality and noise management options for great speech understanding and listening comfort.

The new Interton Ready hearing aids are Made for Apple, which allows the user to stream audio directly from Apple devices and the Interton Sound App offers enhanced personal control.

Furthermore, the new Interton Ready family works with the full line of Interton Wireless Accessories for an even better user experience.

The Interton Ready PBTE hearing aids are with Nano Coating for optimum durability and meet the IP58 classification for ingress protection.

The 80 BTE model comes standard with Push Button, Volume Control, Telecoil, and Direct Audio Input (DAI) functionality.

Models 80 Power Behind-the-Ear (PBTE) hearing aids support power (plastic hook) and high power (metal hook)configurations.

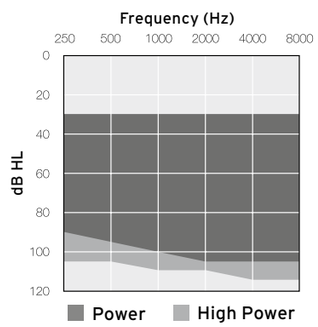
Interton Ready PBTE 80 supports standard earmould fittings.

RD80-DW

RD80-DW (HP)

| Model | RD680-DW | RD480-DW | RD380-DW | RD280-DW |
|---|---|---|---|---|
| **Device Configurations** | | | | |
| Battery | 13 | | | |
| Colors available | 5 | | | |
| **Sound Quality** | | | | |
| WARP compression (WDRC) - number of channels | 14 | 12 | 8 | 6 |
| Compression Mode | ● | ● | ● | ● |
| **Comfort** | | | | |
| Adaptive Noise Reduction | 3 settings | 2 settings | 1 setting | 1 setting |
| Adaptive Wind Noise Reduction | 2 settings | 1 setting | 1 setting | - |
| Environmental Gain Tuner | ● | - | - | - |
| **Speech Understanding** | | | | |
| Integrated Directionality | ● | - | - | - |
| Automatic Beamwidth | ● | - | - | - |
| Selectable Beamwidth | ● | ● | - | - |
| Auto-Steered Directionality | ● | ● | ● | - |
| Speech-Focused Directionality | ● | ● | ● | ● |
| Fixed Directionality | ● | ● | ● | ● |
| **Feedback Management** | | | | |
| Feedback Manager Plus | ● | ● | ● | ● |
| Auto DFS/Preset Feedback Manager | ● | ● | ● | ● |
| **Onboarding** | | | | |
| Acclimatization Manager | ● | - | - | - |
| **Convenience** | | | | |
| Ear to Ear Communication (Push Button, Volume Control) | ● | ● | - | - |
| AutoPhone | ● | ● | ● | ● |
| Made for Apple | ● | ● | - | - |
| Remote Control 2 | ● | ● | ● | ● |
| TV Streamer 2 | ● | ● | ● | - |
| Phone Clip 2 | ● | ● | ● | - |
| Multi Mic | ● | ● | ● | - |
| Micro Mic | ● | ● | ● | - |
| Interton Sound App/Interton EasyHearing App | ● | ● | ● | - |
| **Robustness** | | | | |
| Nano Coating | ● | ● | ● | ● |
| **Fitting Flexibility** | | | | |
| Max Gain Handles | 14 | 12 | 8 | 6 |
| Number of Programs | 4 | 4 | 4 | 4 |
| Frequency Shifter | ● | ● | ● | ● |
| Low Frequency Boost | 2 settings | 1 setting | 1 setting | 1 setting |
| TSG | ● | ● | ● | ● |
| Interton Fitting 1.0 | ● | ● | ● | ● |
| Wireless Fitting | ● | ● | ● | ● |

Fitting Range - Closed




Made for iPhone | iPad | iPod



4009450000GB-19.11-Rev.D

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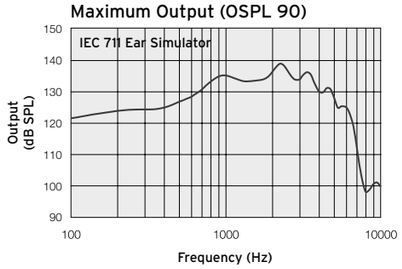
# Technical Specifications

| | | RD80-DW | | |
|---|---|---|---|---|
| | | IEC 60118-0 2nd<br>IEC 711<br>Ear simulator | IEC 60118-0 3rd<br>IEC 60118-7<br>ANSI S3.22<br>2cc coupler | |
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 54 | 51 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 73<br>66 | 66<br>60 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 139<br>134 | 132<br>128 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 0.9<br>0.6<br>0.5 | 0.7<br>0.2<br>0.4 | % |
| Telecoil sensitivity (1 mA/m input) | Max. | 104 | | |
| HFA - SPLIV @ 31.6 mA/m (ANSI) | HFA | | 112 | dB SPL |
| Full-on telecoil sensitivity @ 1mA/m | 1600 Hz/HFA | 96 | 91 | |
| Equivalent input noise | | 22 | 21 | dB SPL |
| Frequency range (DIN 45605/ANSI) | | 100-6410 | 100-5050 | Hz |
| Current drain | | 1.2 | 1.3 | mA |

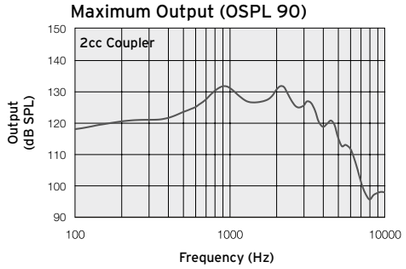
Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

Patents pending

Maximum Output (OSPL 90)




Maximum Output (OSPL 90)




Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

Basic settings:
Full-on Gain, Reference Test Gain
MPO = Maximum Power Output
Maximum Band Width

Full-On and Reference Test Gain

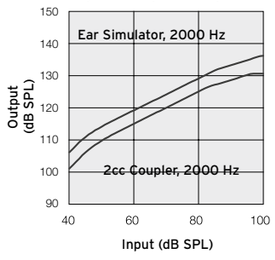



Full-On and Reference Test Gain

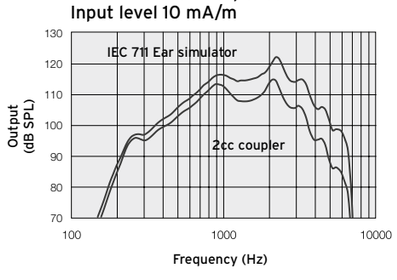



Measured according to IEC60118-0 Edition3.0 2015-06 at 1.3 V, impedance 6.2 ohms and 23°C on 2cc coupler. Resp. on 2cc according to IEC60118-7 Second edition 2005-10 and ANSI/ASA S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dBSPL sound pressure equals 20μPa). All measurements without DSP features activated unless indicated otherwise Measurement on O.E.S according to IEC711 1981 According to IEC60118-0 Edition 2 1983 and amendment 1 1994

Input/Output Response




Full-On Telecoil Response
Input level 10 mA/m




All specifications are subject to change without notice

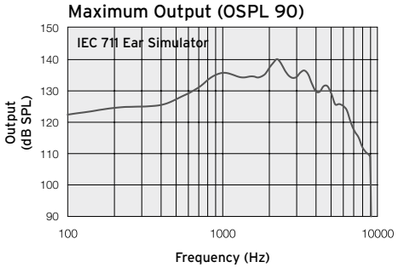
# Technical Specifications

| | | RD80-DW (HP) | | |
|---|---|---|---|---|
| | | IEC 60118-0<br>IEC 711<br>Ear simulator | IEC 60118-7<br>ANSI S3.22<br>2cc coupler | |
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 59 | 52 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 80<br>73 | 73<br>68 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 140<br>135 | 132<br>129 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 1.1<br>1.2<br>0.7 | 0.8<br>0.6<br>0.4 | % |
| Telecoil sensitivity (1 mA/m input) | Max. | 106 | | |
| HFA - SPLIV @ 31.6 mA/m (ANSI) | HFA | | 112 | dB SPL |
| Full-on telecoil sensitivity @ 1mA/m | 1600 Hz/HFA | 99 | 96 | |
| Equivalent input noise | | 22 | 23 | dB SPL |
| 1/3 Octave Equivalent input noise, w/o Noise reduction | | 11 | - | dB SPL |
| Frequency range (DIN 45605/ANSI) | | 100-5960 | 100-4740 | Hz |
| Current drain | | 1.1/1.3 | 1.2/1.4 | mA |

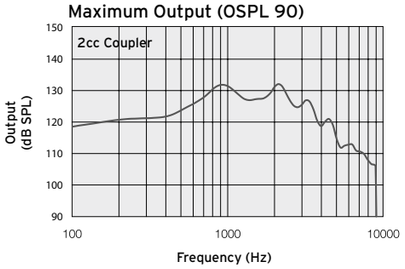
Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

Patents pending

Maximum Output (OSPL 90)




Maximum Output (OSPL 90)

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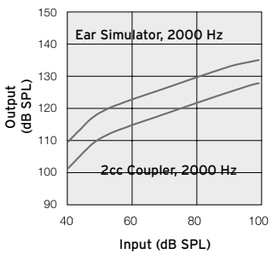
Input/Output Response

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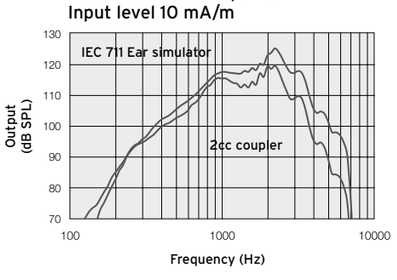


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