# ReSound LiNX 3D™

LTITE

## Product Description

In-the-Ear (ITE) hearing aids are available in 3 power levels: Medium (MP), High (HP) and Ultra (UP).

The ReSound Smart Range C platform enables Surround Sound by ReSound.

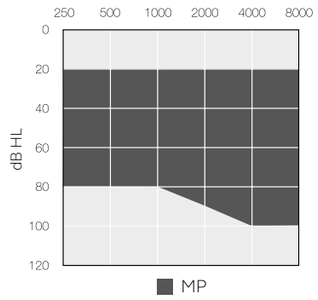
This 5th generation, 2.4 GHz wireless product utilizes the Smart Range C platform for secure cloud connectivity, bringing an entirely new level to the relationship between hearing care professionals and their clients, called ReSound Assist. These Made for iPhone hearing aids also feature ear-to-ear communication along with a direct connection to the ReSound Smart 3D app.

ReSound LiNX 3D also supports the full line of ReSound wireless accessories.

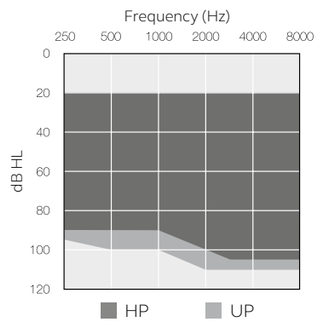
The ITE models feature options for wireless vs non-wireless functionality, dual versus single microphones, Push Button, Volume Control, and Telecoil.

The ReSound LiNX 3D ITE hearing aid components and faceplates are iSolate™ nanotech coated for optimum durability.

Fitting Range - Closed




Fitting Range - Closed




| Model | LT9-ITE* | LT7-ITE** | LT5-ITE*** |
|---|---|---|---|
| **Device Configurations** | | | |
| Battery size | | 312 & 13 | |
| Power levels | | MP, HP & UP | |
| Colors available | | 5 | |
| **Audiological Features** | | | |
| WARP compression (WDRC) - number of channels | 17 | 14 | 12 |
| Binaural Directionality | ● | ● | - |
| Natural Directionality II | ● | ● | ● |
| Directional Mix Processor | ● | ● | ● |
| -Adjustable directional mix | ● | - | - |
| Synchronized Soft Switching | ● | ● | - |
| Soft Switching | - | - | ● |
| Autoscope Adaptive Directionality | ● | - | - |
| Multiscope Adaptive Directionality | - | ● | - |
| Adaptive Directionality | - | - | ● |
| Binaural Environmental Optimizer II | ● | - | - |
| Environmental Optimizer | - | ● | - |
| Noise Tracker II | ● | ◉ | ○ |
| Expansion | ● | ◉ | ○ |
| Wind Guard | ● | ◉ | ○ |
| Sound Shaper | ● | ● | ● |
| DFS Ultra II | ● | ● | ● |
| -Music Mode | ● | ● | ● |
| Synchronized Acceptance Manager | ● | ● | ● |
| Low Frequency Boost (Only UP) | ● | ● | ○ |
| Amplification Strategy (WDRC/Semi-linear/Linear - Only UP) | ● | ● | ◉ |
| Tinnitus Sound Generator | ● | ● | ● |
| **Functional Features** | | | |
| Synchronized Push Button**** | ● | ● | ● |
| Synchronized Volume Control | ● | ● | ● |
| Smart Start | ● | ● | ● |
| Phone Now | ● | ● | ● |
| Comfort Phone | ● | ● | ● |
| Ear to Ear Communication | ● | ● | ● |
| Direct audio streaming (Made for iPhone) | ● | ● | ● |
| ReSound TV Streamer 2, Remote Control 2, Phone Clip+, Micro Mic and Multi Mic | ● | ● | ● |
| ReSound Control™ app (Phone Clip+ is required) | ● | ● | ● |
| ReSound Smart 3D™ app | ● | ● | ● |
| **ReSound Assist** | | | |
| Remote Fine Tuning | ● | ● | ● |
| Remote Firmware Updates | ● | ● | ● |
| **Fitting Features** | | | |
| Fitting Software Smart Fit™ 1.0 or higher | ● | ● | ● |
| Fully Flexible Programs | 4 | 4 | 4 |
| Auto DFS | ● | ● | ● |
| Onboard Analyzer II | ● | ● | ● |
| Wireless Fitting with Airlink™2/ Noahlink Wireless | ● | ● | ● |

○ Basic
◉ Advanced
● Ultimate

* LT9ITE-DW-UP, LT9ITE-DW-HP, LT9ITE-DW-MP, LT9ITE-D-UP, LT9ITE-D-HP, LT9ITE-D-MP, LT9ITE-W-UP, LT9ITE-W-HP, LT9ITE-W-MP, LT9ITE-UP, LT9ITE-HP, LT9ITC-MP
** LT7ITE-DW-UP, LT7ITE-DW-HP, LT7ITE-DW-MP, LT7ITE-D-UP, LT7ITE-D-HP, LT7ITE-D-MP, LT7ITE-W-UP, LT7ITE-W-HP, LT7ITE-W-MP, LT7ITE-UP, LT7ITE-HP, LT7ITE-MP
*** LT5ITE-DW-UP, LT5ITE-DW-HP, LT5ITE-DW-MP, LT5ITE-D-UP, LT5ITE-D-HP, LT5ITE-D-MP, LT5ITE-W-UP, LT5ITE-W-HP, LT5ITE-W-MP, LT5ITE-UP, LT5ITE-HP, LT5ITE-MP
**** Also including functionality for sychronized Push Button Volume Control

Made for iPod iPhone iPad

ReSound LiNX 3Dis compatible with iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone SE, iPhone 5s, iPhone 5c, iPhone 5, iPad Pro (12.9-inch), iPad Pro (9.7-inch), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, iPad (4th generation), iPod touch (6th generation) and iPod touch (5th generation) using iOS 8.X or later. Apple, the Apple logo, iPhone, iPad Pro, iPad Air, iPad mini, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
Android is a trademark of Google Inc.

ReSound GN

Patents pending

All specifications are subject to change without notice

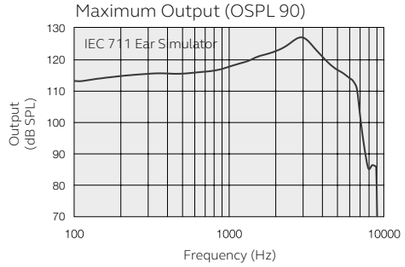
400629000GB-16.12-Rev.C

## Technical Specifications

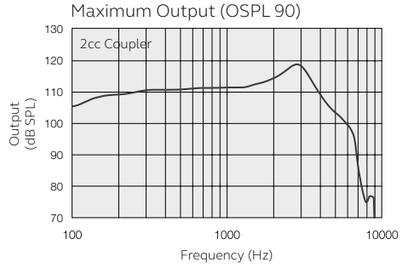
| | | LTITE (MP) IEC 60118-0 2nd IEC 711 Ear simulator | LTITE (MP) IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler | |
|---|---|---|---|---|
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 40 | 36 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 59<br>50 | 50<br>45 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 127<br>121 | 119<br>113 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 0.5<br>0.9<br>1.0 | 0.7<br>0.8<br>0.9 | % |
| Telecoil sensitivity (1 mA/m input)<br>HFA - SPLIV @ 31.6 mA/m (ANSI)<br>Full-on telecoil sensitivity @ 1mA/m | Max.<br>HFA<br>1600 Hz/HFA | 88<br><br>81 | <br>96<br>74 | dB SPL |
| Equivalent input noise | | 24 | 21 | dB SPL |
| Frequency range (DIN 45605/ANSI) | | 100-7170 | 100-7110 | Hz |
| Current drain | | 1.1 | 1.3 | mA |

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

Maximum Output (OSPL 90)



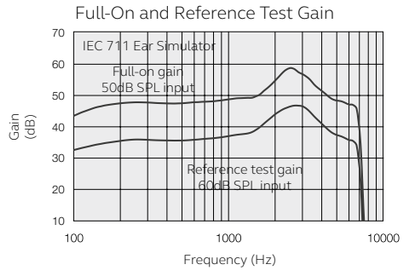

Maximum Output (OSPL 90)



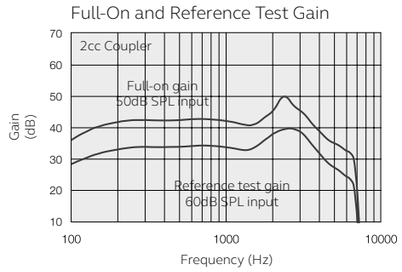

Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 $cm^3$ coupler
Pi = Acoustic input signal

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

Full-On and Reference Test Gain

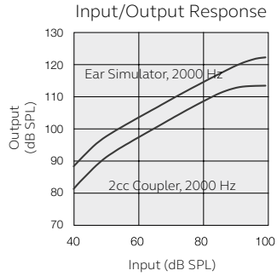



Full-On and Reference Test Gain

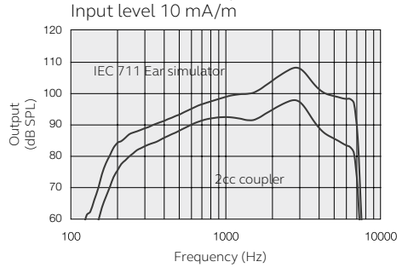



Measured according to IEC60118-0 Edition3.0 2015-06 at 1.3 V, impedance 6.2 ohms and 23°C on 2cc coupler. Resp. on 2cc according to IEC60118-7 Second edition 2005-10 and ANSI/ASA S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dBSPL sound pressure equals 20µPa). All measurements 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





**ReSound A/S**
Lautrupbjerg 7
DK-2750 Ballerup, Denmark
Tel.: +45 45 75 11 11
resound.com

**United Kingdom**
GN ReSound Ltd.
Kirtlington Business Centre
Portway
Kirtlington
Oxon OX5 3JA
Tel.: +44 1869 352 800
resound.com

**Australia**
GN ReSound Pty. Ltd.
Unit R1 Regent Park Estate
391 Park Road
Regent Park NSW 2143
Tel.: 02 9743 9707
Free call number: 1800 658 955
resound.com

**New Zealand**
GN ReSound (NZ) Ltd.
Ground Floor, North Entrance
4 Fred Thomas Drive
Takapuna
Auckland, 0622
Tel.: (free) 0800 900 126
resound.com

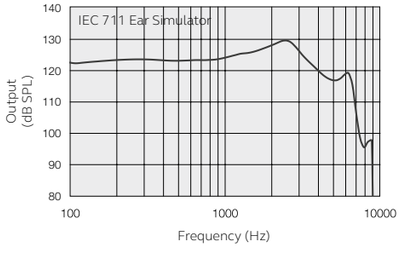

ReSound GN

# Technical Specifications

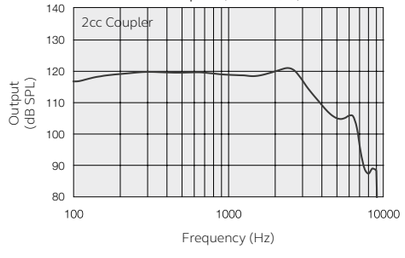
| | | LTITE (HP) | | |
|---|---|---|---|---|
| | | IEC 60118-0 2nd IEC 711 Ear simulator | IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler | |
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 47 | 43 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 69<br>59 | 60<br>54 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 130<br>126 | 121<br>120 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 0.6<br>1.3<br>0.8 | 0.4<br>0.7<br>0.5 | % |
| Telecoil sensitivity (1 mA/m input)<br>HFA - SPLIV @ 31.6 mA/m (ANSI)<br>Full-on telecoil sensitivity @ 1mA/m | Max.<br>HFA<br>1600 Hz/HFA | 98<br><br>88 | <br>103<br>83 | dB SPL |
| Equivalent input noise | | 22 | 20 | dB SPL |
| Frequency range (DIN 45605/ANSI) | | 100-6930 | 100-6770 | 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

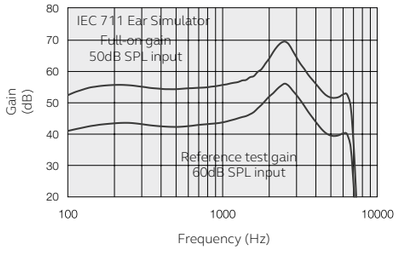
Maximum Output (OSPL 90)



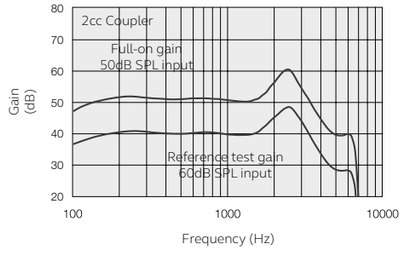

Maximum Output (OSPL 90)



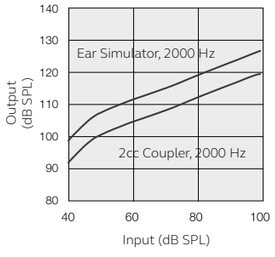

Full-On and Reference Test Gain



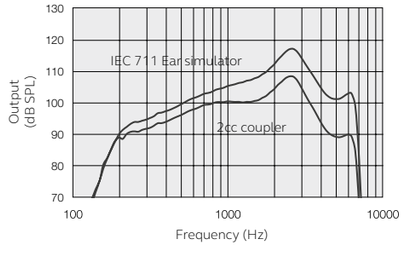

Full-On and Reference Test Gain




Input/Output Response




Full-On Telecoil Response
Input level 10 mA/m




Patents pending

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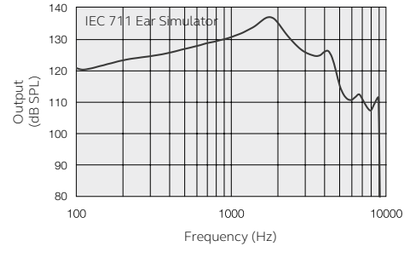
# Technical Specifications

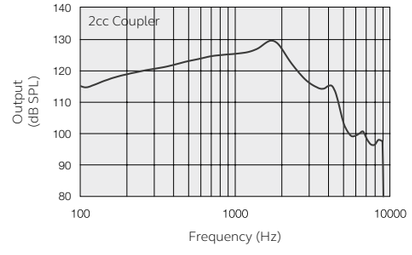
| | | LTITE (UP) | | |
|---|---|---|---|---|
| | | IEC 60118-0 2nd IEC 711 Ear simulator | IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler | |
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 59 | 49 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 79<br>70 | 70<br>63 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 137<br>136 | 130<br>125 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 0.5<br>1.4<br>0.4 | 0.5<br>1.0<br>0.2 | % |
| Telecoil sensitivity (1 mA/m input)<br>HFA - SPLIV @ 31.6 mA/m (ANSI)<br>Full-on telecoil sensitivity @ 1mA/m | Max.<br>HFA<br>1600 Hz/HFA | 106<br><br>99 | <br>109<br>93 | dB SPL |
| Equivalent input noise | | 24 | 20 | dB SPL |
| Frequency range (DIN 45605/ANSI) | | 140-4720 | 100-4700 | Hz |
| Current drain | | 1.1 | 1.2 | mA |

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

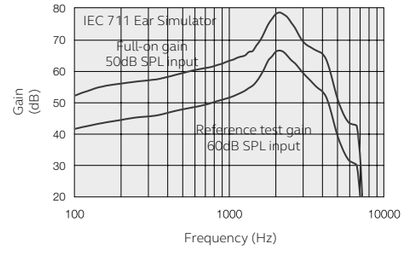
Maximum Output (OSPL 90)



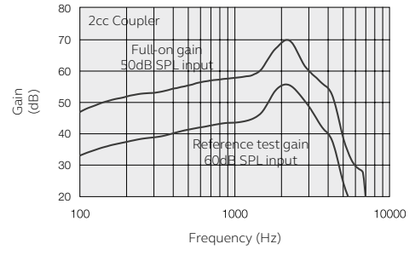

Maximum Output (OSPL 90)



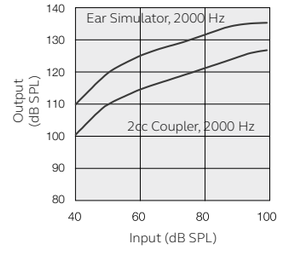

Full-On and Reference Test Gain



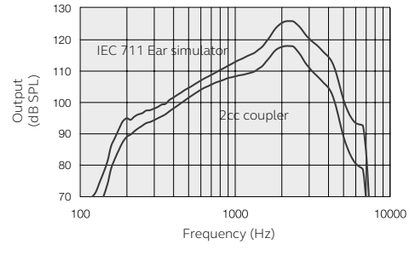

Full-On and Reference Test Gain




Input/Output Response




Full-On Telecoil Response
Input level 10 mA/m

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