

| Model (Standard Receivers) | RT961-DRW RT961-DRWC RT962-DRW | RT761-DRW RT761-DRWC RT762-DRW | RT561-DRW RT561-DRWC RT562-DRW | RT461-DRW RT461-DRWC RT462-DRW |
|---|--|--------------------------------------|--------------------------------------|--------------------------------------|
| Device Configurations | | | | |
| Battery size 61-DRW | 312 Zinc-Air | | | |
| Battery size 61-DRWC | Rechargeable Lithium-Ion | | | |
| Battery size 62-DRW | 13 Zinc-Air | | | |
| Receiver Options | LP, MP, HP, UP | | | |
| Control Options | PB (61-DRW and 61-DRWC), Multi-Function button (62), Telecoil (62) | | | |
| IP Classification | IP68 | | | |
| Audiological Features | | | | |
| Number of Channels | 17 | 14 | 12 | 12 |
| All Access Directionality | ● | - | - | - |
| Spatial Sense | ● | ● | - | - |
| Ultra Focus | ● | - | - | - |
| Binaural Directionality III | - | ● | - | - |
| Binaural Directionality | - | - | ● | - |
| 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 | ● | ● | ● | ● |
| 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) | ● | - | - | - |
| ReSound Assist | | | | |
| Remote Fine Tuning | ● | ● | ● | ● |
| Remote Firmware Updates | ● | ● | ● | ● |
| ReSound Assist Live | ● | ● | ● | ● |
| Fitting Features | | | | |
| Fitting Software Smart Fit™ 1.8 or higher | ● | ● | ● | ● |
| Max Gain Handles | 17 | 14 | 12 | 10 |
| Fully Flexible Programs | 4 | 4 | 4 | 4 |
| Auto DFS | ● | ● | ● | ● |
| Datalogging | ● | ● | ● | ● |
| Wireless Fitting with Noalink Wireless | ● | ● | ● | ● |
| Automatic Receiver Detection | ● | ● | ● | ● |

Chargers



Premium charger C-1



Standard charger C-2

| Technical data | Premium Charger | Standard Charger |
|--|--|--|
| Dimensions | 99.4 x 35 x 67.5 mm / 3.9 x 1.4 x 2.7" | 100.2 mm x 42 mm x 54.8 mm / 3.9 x 1.7 x 2.2" |
| Weight | 145 gram / 5.1 oz | 95 gram / 3.3 oz |
| Power Supply | USB power supply, 5 V | USB power supply, 5 V |
| Internal Power Source | Rechargeable Lithium Ion battery, 3.7 V, 2600 mAh | N/A |
| Charging time for internal lithium ion battery in Charger | Max 3,5 hours, depending on initial state of the battery | N/A |
| Battery life (fully charged, not connected to mains power) | Min. 3 full charges of 2 hearing instruments, Without hearing instruments: 12 months | N/A |
| Charging time for Hearing Instrument | < 40 °C (104F); 3 hours, depending on initial state of the battery | < 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 | 2.4 GHz and 333 kHz |
| ESD tolerance | According IEC 61000-4-2 Electrostatic discharge immunity test standard | According IEC 61000-4-2 Electrostatic discharge immunity test standard |
| Operating & Charging temperature | + 5 °C to + 40 °C at a relative humidity range of 15 % to 90 %, non-condensing | + 5 °C to + 40 °C at a relative humidity range of 15 % to 90 %, non-condensing |
| Storage temperature for charger and Hearing Instrument | - 25 °C to + 5 °C, + 5 °C to + 35 °C at a relative humidity up to 90 %, non-condensing, > 35 °C to 70 °C at a water vapour pressure up to 50 hPa | - 25 °C to + 5 °C, + 5 °C to + 35 °C at a relative humidity up to 90 %, non-condensing, > 35 °C to 70 °C at a water vapour pressure up to 50 hPa |



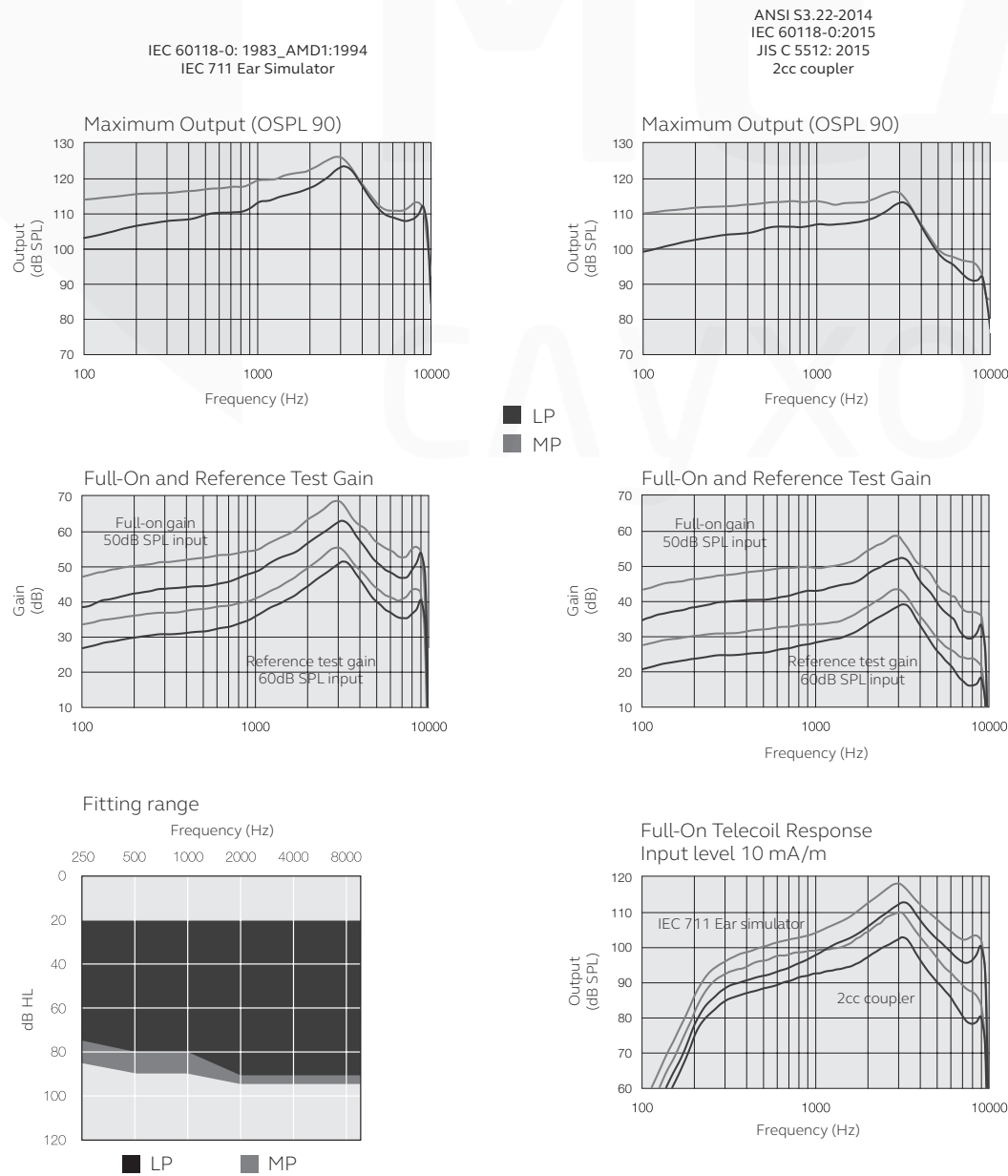
Technical Specifications

| | | LP | | MP | | | |
|--|-----------------------------|--|--|--|--|--------|--|
| | | 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 | 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 | 32 | 46 | 37 | dB | |
| Full-on gain (50 dB SPL input) | Max. 1600 Hz/HFA | 63 54 | 53 46 | 69 60 | 58 52 | dB | |
| Maximum output (90 dB SPL input) | Max. 1600 Hz/HFA | 123 116 | 113 108 | 126 121 | 116 114 | dB SPL | |
| Total harmonic distortion | 500 Hz 800 Hz 1600 Hz | 0.6 0.6 0.5 | 0.5 0.2 0.4 | 0.8 1.3 0.8 | 0.6 0.6 0.7 | % | |
| Telecoil sensitivity (1 mA/m input)* | Max. | 93 | 83 | 98 | 90 | dB SPL | |
| HFA - SPLIV @ 31.6 mA/m (ANSI) | HFA | 102 | 92 | 107 | 97 | dB SPL | |
| Full-on telecoil sensitivity @ 1mA/m | 1600 Hz/HFA | 83 | 76 | 89 | 83 | dB SPL | |
| Equivalent input noise, w/o Noise reduction | | 21 | 20 | 21 | 20 | dB SPL | |
| 1/3 Octave Equivalent input noise, w/o Noise reduction | 1600 Hz | 5 | 7 | 6 | 7 | dB SPL | |
| Frequency range IEC60118-0:2015** | | 100-9640 | 100-9410 | 100-9560 | 100-9160 | Hz | |
| Battery Lifetime (Battery type Rechargeable)*** | | 30 | 30 | 30 | 30 | Hours | |
| Current Drain (Quiescent / Operating) (Model 61-DRW, 62-DRW) | | 0.81 / 1.03 | 0.81 / 1.04 | 0.81 / 0.91 | 0.81 / 1.04 | mA | |

* Telecoil is only for the RTx62-DRW models.
 ** 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



Technical Specifications

| | | HP | | UP | | | |
|--|-----------------------------|--|--|--|--|--------|--|
| | | 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 | 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 | 49 | 40 | 62 | 47 | dB | |
| Full-on gain (50 dB SPL input) | Max. 1600 Hz/HFA | 75 67 | 65 59 | 83 81 | 75 65 | dB | |
| Maximum output (90 dB SPL input) | Max. 1600 Hz/HFA | 131 124 | 122 117 | 138 137 | 130 124 | dB SPL | |
| Total harmonic distortion | 500 Hz 800 Hz 1600 Hz | 0.5 0.9 1.0 | 0.3 0.7 0.7 | 1.0 2.7 0.2 | 1.0 1.3 0.1 | % | |
| Telecoil sensitivity (1 mA/m input)* | Max. | 105 | 95 | 114 | 106 | dB SPL | |
| HFA - SPLIV @ 31.6 mA/m (ANSI) | HFA | 109 | 100 | 113 | 108 | dB SPL | |
| Full-on telecoil sensitivity @ 1mA/m | 1600 Hz/HFA | 96 | 88 | 111 | 95 | dB SPL | |
| Equivalent input noise, w/o Noise reduction | | 21 | 20 | 12 | 22 | dB SPL | |
| 1/3 Octave Equivalent input noise, w/o Noise reduction | 1600 Hz | 6 | 7 | 7 | 9 | dB SPL | |
| Frequency range IEC60118-0:2015** | | 100-9320 | 100-7140 | 150-5360 | 100-5010 | Hz | |
| Battery Lifetime (Battery type Rechargeable)*** | | 30 | 30 | 30 | 30 | Hours | |
| Current Drain (Quiescent / Operating) (Model 61-DRW, 62-DRW) | | 0.81 / 0.88 | 0.81 / 1.04 | 0.81 / 1.01 | 0.81 / 1.04 | mA | |

* Telecoil is only for the RTx62-DRW models.
 ** 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

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