# Danavox Boreal

## XD RIE



XD61-DRW XD61-DRWC XD62-DRW

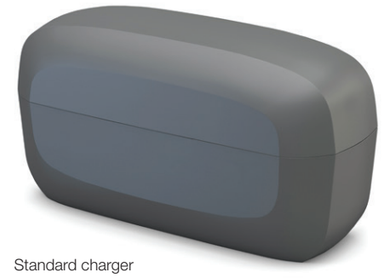
| Model (MM Receiver) | XD961-DRW<br>XD961-DRWC<br>XD962-DRW | XD761-DRW<br>XD761-DRWC<br>XD762-DRW | XD561-DRW<br>XD561-DRWC<br>XD562-DRW | XD461-DRW<br>XD461-DRWC<br>XD462-DRW |
|---|---|---|---|---|
| **Device Configurations** | | | | |
| Battery size 61-DRW | 312 Zinc-Air | | | |
| Battery size 61-DRWC | Rechargeable Lithium-Ion | | | |
| Battery size 62-DRW | 13 Zinc-Air | | | |
| Receiver Options | MM | | | |
| 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 |
| 360 All-Around | ● | – | – | – |
| All Access Directionality | – | ● | – | – |
| Binaural Directionality III | – | – | ● | – |
| Binaural Directionality | – | – | – | ● |
| M&RIE | ● | ● | ● | ● |
| 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 |
| DFS Ultra III (w/ Music Mode) | ● | ● | ● | ● |
| Synchronised Acceptance Manager | ● | ● | ● | ● |
| Tinnitus Sound Generator | ● | ● | ● | ● |
| **Functional Features** | | | | |
| Ear to Ear Communication | ● | ● | ● | ● |
| Direct audio streaming | ● | ● | ● | ● |
| TV Streamer 2, Remote Control, Remote Control 2, Phone Clip+, Micro Mic and Multi Mic | ● | ● | ● | ● |
| BeMore app | ● | ● | ● | ● |
| Sound Enhancer (BeMore app) | ● | – | – | – |
| **Online Services** | | | | |
| Remote Fine Tuning | ● | ● | ● | ● |
| Remote Firmware Updates | ● | ● | ● | ● |
| Live Assist | ● | ● | ● | ● |
| **Fitting Features** | | | | |
| Fitting Software XE BeMore 1.16 or higher | ● | ● | ● | ● |
| Fully Flexible Programs | 4 | 4 | 4 | 4 |
| Datalogging | ● | ● | ● | ● |
| Wireless Fitting with Noahlink Wireless | ● | ● | ● | ● |
| Automatic Receiver Detection | ● | ● | ● | ● |



Desktop charger



Premium charger



Standard charger

| Technical data | Premium charger | Standard charger | Desktop charger |
|---|---|---|---|
| Dimensions | 99.4 x 35 x 67.5 mm /<br>3.9 x 1.4 x 2.7” | 100.2 x 42 x 54.8 mm /<br>3.9 x 1.7 x 2.2” | 82 x 36 x 46 mm /<br>3.2 x 1.4 x 1.8” |
| Weight | 145 grams / 5.1 oz | 95 grams / 3.3 oz | 82 grams / 2.9 oz |
| Power Supply | USB power supply, 5 V | USB power supply, 5 V | USB power supply, 5 V |
| Internal Power Source | Rechargeable Lithium Ion battery,<br>3.6 V, 2600 mAh | N/A | N/A |
| Charging time for internal lithium ion battery in Charger | Max 3,5 hours, depending on initial state of the battery | N/A | 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 | 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 | < 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 | 2.4 GHz and 333 kHz |
| ESD tolerance | According to IEC 61000-4-2 Electrostatic discharge immunity test standard | According to IEC 61000-4-2 Electrostatic discharge immunity test standard | 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 | + 5 °C (41F) to + 40 °C (104F) at a relative humidity range of 15% to 90%, non-condensing | + 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),<br>+ 5 °C (41F) to + 35 °C (95F)<br>at a relative humidity up to 90%, non-condensing,<br>> 35 °C (95F) to 70 °C (158F) at a water vapour pressure up to 50 hPa | – 25 °C (-13F) to + 5 °C (41F),<br>+ 5 °C (41F) to + 35 °C (95F)<br>at a relative humidity up to 90%, non-condensing,<br>> 35 °C (95F) to 70 °C (158F) at a water vapour pressure up to 50 hPa | – 25 °C (-13F) to + 5 °C (41F),<br>+ 5 °C (41F) to + 35 °C (95F)<br>at a relative humidity up to 90%, non-condensing,<br>> 35 °C (95F) to 70 °C (158F) at a water vapour pressure up to 50 hPa |

Made for iPhone | iPad | iPod

Works with android

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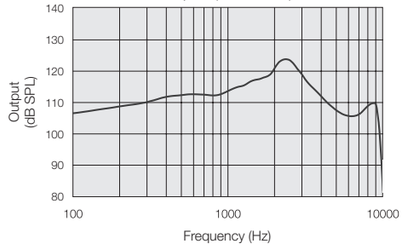
# Technical Specifications

| | | MM | | |
|---|---|---|---|---|
| | | IEC 60118-0: 1983_AMD1:1994<br>IEC 60118-0:2015<br>IEC 711<br>Ear simulator | ANSI S3.22-2014<br>IEC 60118-0:2015<br>JIS C 5512: 2015<br>2cc coupler | |
| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 41 | 33 | dB |
| Full-on gain (50 dB SPL input) | Max.<br>1600 Hz/HFA | 63<br>53 | 53<br>47 | dB |
| Maximum output (90 dB SPL input) | Max.<br>1600 Hz/HFA | 124<br>117 | 115<br>110 | dB SPL |
| Total harmonic distortion | 500 Hz<br>800 Hz<br>1600 Hz | 0.3<br>1.4<br>0.8 | 0.1<br>0.9<br>0.4 | % |
| Telecoil sensitivity (1 mA/m input)* | Max. | 92 | 82 | dB SPL |
| HFA - SPLIV @ 31.6 mA/m (ANSI) | HFA | 103 | 93 | |
| Full-on telecoil sensitivity @ 1mA/m | 1600 Hz/HFA | 82 | 75 | |
| Equivalent input noise, w/o Noise reduction | | 22 | 20 | dB SPL |
| 1/3 Octave Equivalent input noise, w/o Noise reduction | 1600 Hz | 7 | 7 | dB SPL |
| Frequency range IEC60118-0:2015** | | 100-9550 | 100-9100 | Hz |
| Battery Lifetime (Battery type Rechargeable)*** | | 30 (Max)<br>24 (Typ) | 30 (Max)<br>24 (Typ) | Hours |
| Current Drain (Quiescent / Operating) (Model 61-DRW, 62-DRW) | | 0.82 / 0.85 | 0.82 / 1.04 | mA |

* Telecoil is only for the XDx62-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.

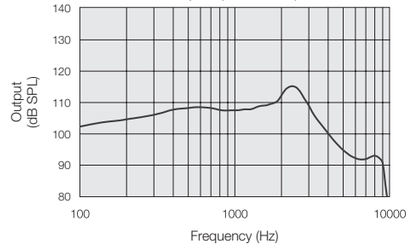
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

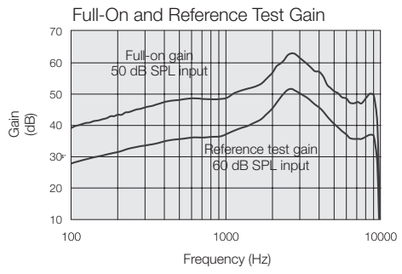



ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

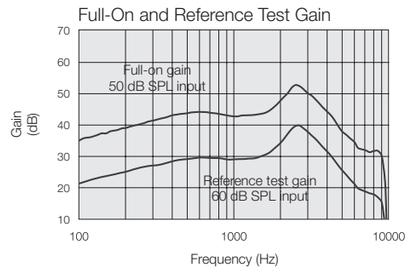
Maximum Output (OSPL 90)



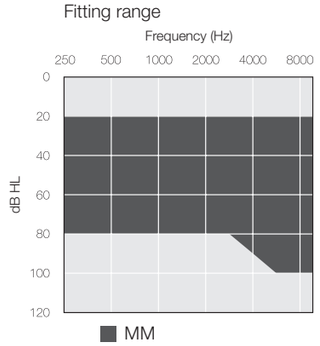

Full-On and Reference Test Gain



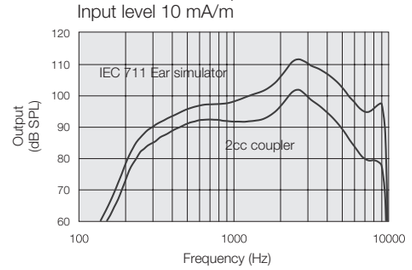

Full-On and Reference Test Gain




Fitting range




Full-On Telecoil Response
Input level 10 mA/m




Patents pending.

All specifications are subject to change without notice.