

TECHNICAL DATA

Entra B 20 | 10 miniRITE T

Bernafon Entra B is a hearing instrument with Hybrid Technology™. The miniRITE T is a receiver-in-the-ear hearing instrument designed for users with slight to profound hearing losses. It includes Bluetooth® Low Energy for streaming

and NFMI technology, a telecoil, and double push-button for volume and program changes. The miniRITE T is available with the miniFit speaker system, which includes four power levels and a variety of domes and custom moulds.

Speaker 60



MNR T

Speaker 85



MNR T

Speaker 100



MNR T

Speaker 105



MNR T

Technical features

- Direct audio streaming¹
- Hands-free communication²
- Bluetooth Low Energy technology
- NFMI (Near-Field Magnetic Induction)
- Double push-button
- Telecoil
- miniFit speakers
- Hydrophobic coating
- LED visual indicator

Accessories

- Bernafon App
- RC-A (remote control)
- TV-A (TV adapter)
- SoundClip-A

For information on compatibility, please visit www.bernafon.com/compatibility

Operating and charging conditions
Temperature: +1°C to +40°C (34°F to 104°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Transportation and storage conditions
Temperature and humidity shall not exceed the mentioned limits for extended periods during transportation and storage.

Transport
Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage
Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

1) From iPhone, iPad, Mac and select Android devices

2) Hands-free communication is available on select devices

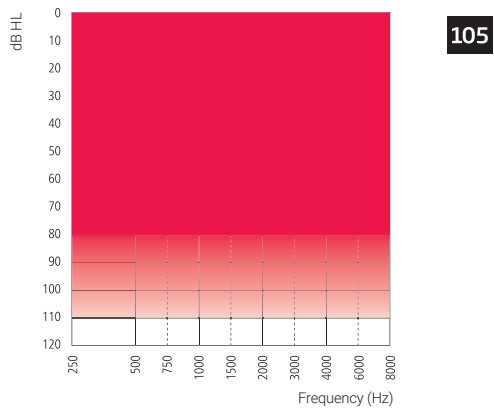
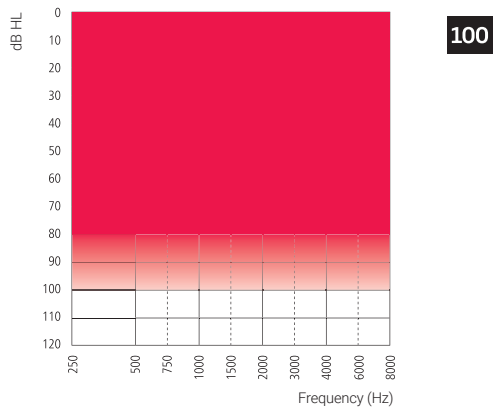
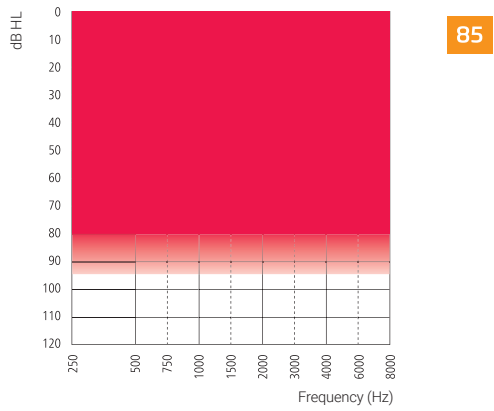
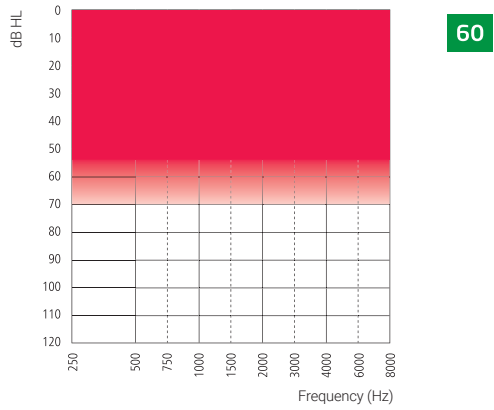
WARNING: No modification of this equipment is allowed.

Apple, the Apple logo, iPhone, iPad, Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries. Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Android™ is a trademark of Google LLC.



Fitting ranges

Bernafon Entra B 20 | 10



Feature overview

| | Entra B 20 | Entra B 10 |
|---|------------|------------|
| Hybrid Technology™ | | |
| Hybrid Sound Processing™ | • | • |
| Frequency bandwidth | 8 kHz | 8 kHz |
| Speech Balancer | • | • |
| Hybrid Noise Management™ | • | • |
| Smart Noise Reduction | 3 options | 2 options |
| Smart Directionality | 4 options | 3 options |
| Hybrid Feedback Canceller™ | • | • |
| Speech | | |
| Low Frequency Enhancer | • | • |
| Frequency Composition™ ^{txt} | • | • |
| Comfort | | |
| Transient Noise Reduction | 2 options | — |
| Wind Noise Manager | • | • |
| Soft Noise Manager | • | • |
| Directionality controls | | |
| Dynamic | • | — |
| Adaptive Full Directionality | • | • |
| Fixed Directionality | • | • |
| Fixed Omni | • | • |
| Individualisation | | |
| Personalisation | • | • |
| Fitting bands | 14 | 12 |
| Program options/memories | 10/4 | 8/4 |
| Music Experience | • | — |
| Binaural coordination: VC, program change | • | • |
| Automatic Adaptation Manager | • | • |
| Transition | • | • |
| Data Logging | • | • |
| Tinnitus SoundSupport | • | • |
| CROS compatibility | • | • |

Entra B 20 | 10 miniRITE T

Ear Simulator

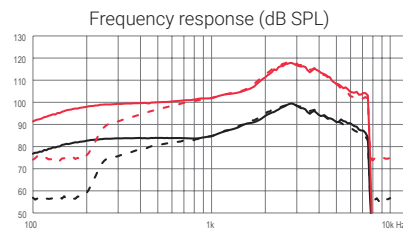
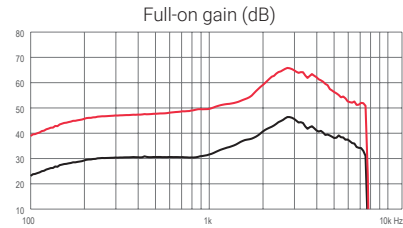
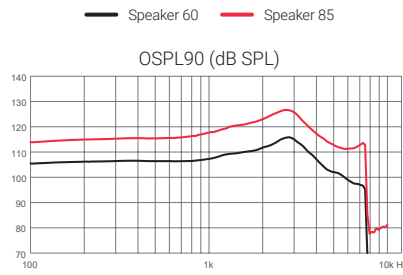
Measured according to IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-0:2015 and IEC 60318-4:2010



Technical information
Omnidirectional mode is used unless otherwise stated.

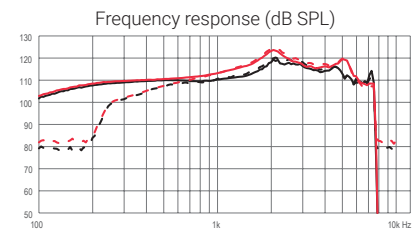
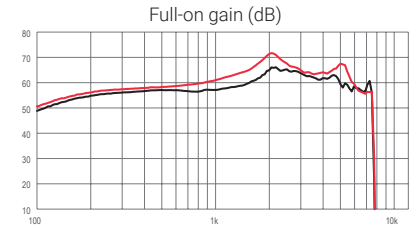
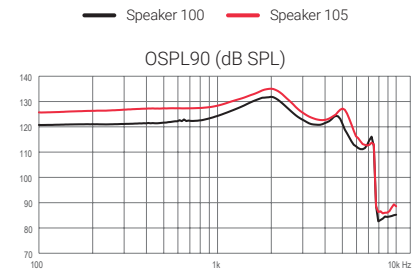
Speaker 60 / 100
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m

Speaker 85 / 105
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m



Speaker 60

Speaker 85



Speaker 100

Speaker 105

| | | | | |
|---|----------|----------|----------|----------|
| OSPL90, Peak (dB SPL) | 116 | 127 | 132 | 135 |
| OSPL90, 1600 Hz (dB SPL) | 110 | 121 | 130 | 133 |
| OSPL90, HFA (dB SPL) | 111 | 122 | 127 | 131 |
| Full-on gain, Peak (dB) ¹ | 46 | 66 | 66 | 72 |
| Full-on gain, 1600 Hz (dB) ¹ | 37 | 53 | 60 | 66 |
| Full-on gain, HFA (dB) ¹ | 38 | 56 | 61 | 65 |
| Reference test gain (dB) | 30 | 46 | 53 | 58 |
| Frequency range (Hz) | 100-7500 | 100-7500 | 100-7500 | 100-7500 |
| Telecoil output, 1 mA/m field (1600 Hz) (dB SPL) | 68 | 84 | 91 | 96 |
| Telecoil output, 10 mA/m field (1600 Hz) (dB SPL) | 88 | 104 | 111 | 116 |
| Total harmonic distortion (Input 70 dB SPL), 500 Hz (%) | <2 | <2 | <9 | <4 |
| Total harmonic distortion (Input 70 dB SPL), 800 Hz (%) | <3 | <4 | <6 | <4 |
| Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%) | <2 | <5 | <3 | <4 |
| Equivalent input noise level, Omni (dB SPL) | 18 | 21 | 16 | 15 |
| Equivalent input noise level, Dir (dB SPL) | 26 | 28 | 25 | 24 |
| Battery consumption, Typical (mA) ² | 2.2 | 2.3 | 2.2 | 2.3 |
| Battery consumption, Quiescent (mA) ² | 2.2 | 2.2 | 2.2 | 2.2 |
| Battery life, artificial measurement, hours ³ | 80 | 75 | 80 | 80 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | 55-60 | 50-60 | 50-60 | 50-60 |

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.

2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.

3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

Entra B 20 | 10 miniRITE T

2CC Coupler

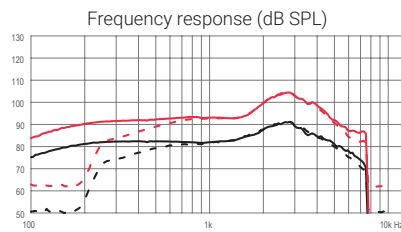
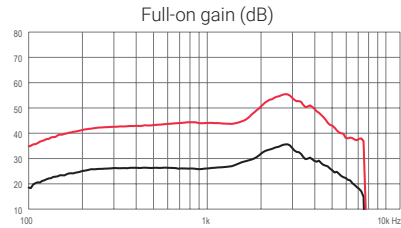
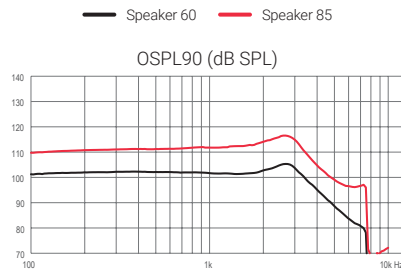
Measured according to ANSI S3.22: 2014, IEC 60118-0:2015 and IEC 60318-5:2006.



Technical information
Omnidirectional mode is used unless otherwise stated.

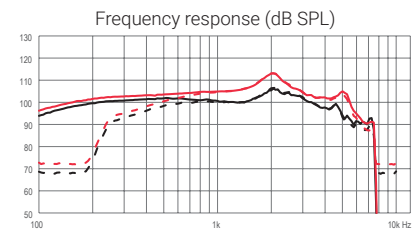
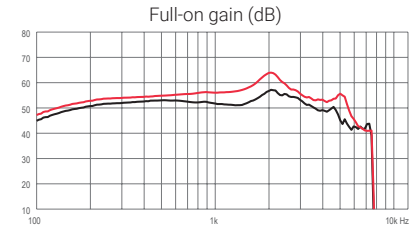
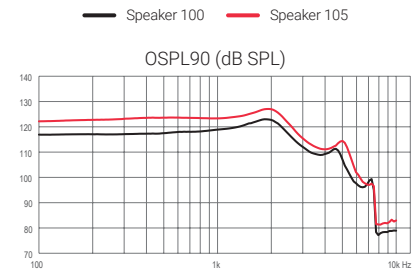
Speaker 60 / 100
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m

Speaker 85 / 105
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m



Speaker 60

Speaker 85



Speaker 100

Speaker 105


| | | | | |
|---|----------|----------|----------|----------|
| OSPL90, Peak (dB SPL) | 105 | 117 | 123 | 127 |
| OSPL90, 1600 Hz (dB SPL) | 102 | 113 | 122 | 126 |
| OSPL90, HFA (dB SPL) | 103 | 114 | 119 | 123 |
| Full-on gain, Peak (dB) ¹ | 36 | 55 | 57 | 64 |
| Full-on gain, 1600 Hz (dB) ¹ | 29 | 45 | 53 | 59 |
| Full-on gain, HFA (dB) ¹ | 30 | 48 | 53 | 58 |
| Reference test gain (dB) | 26 | 37 | 42 | 47 |
| Frequency range (Hz) | 100-7500 | 100-7500 | 100-7500 | 100-7500 |
| Telecoil output, 1 mA/m field (1000 Hz) (dB SPL) | 55 | 74 | 83 | 86 |
| Telecoil output, HFA SPLITS L/R (dB SPL) | 85 | 96 | 101 | 106 |
| Total harmonic distortion (Input 70 dB SPL), 500 Hz (%) | <2 | <2 | <2 | <2 |
| Total harmonic distortion (Input 70 dB SPL), 800 Hz (%) | <2 | <2 | <2 | <2 |
| Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%) | <2 | <2 | <2 | <2 |
| Equivalent input noise level, Omni (dB SPL) | 16 | 17 | 16 | 16 |
| Equivalent input noise level, Dir (dB SPL) | 27 | 27 | 28 | 27 |
| Battery consumption, Typical (mA) ² | 2.2 | 2.4 | 2.3 | 2.4 |
| Battery consumption, Quiescent (mA) ² | 2.2 | 2.2 | 2.2 | 2.2 |
| Battery life, artificial measurement, hours ³ | 80 | 75 | 75 | 75 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | 55-60 | 50-60 | 50-60 | 50-60 |

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.

2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.

3) Based on the standardised battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

 SBO Hearing A/S
Kongebakken 9
DK-2765 Smørum
Denmark

www.bernafon.com

Bernafon is part of the Demant Group.

