

Radiant 100 | 80 | 60 miniRITE T R

Specification Guide

Radiant, el primer audífono en la plataforma de tecnología Extend y ofrece una nueva generación de tecnología de audífonos para que los usuarios puedan aprovechar al máximo cada momento. Este audífono con receptor en el oído es adecuado para pérdidas auditivas de leves a profundas e incluye una bobina telefónica y un botón de doble pulsación. La recarga es estándar, con tecnología de batería de iones de

litio incorporada para proporcionar un día completo de uso, incluida la actividad de transmisión. El miniRITE T R está disponible con el sistema miniFit, que incluye cuatro niveles de potencia y una amplia variedad de cúpulas y moldes personalizados. Además, con Bluetooth Low Energy a 2,4 GHz, Radiant es un audífono Made for iPhone y también admite transmisión directa desde Android™.

Speaker 60



RT 100I80I60 MNR T R

Speaker 85



RT 100I80I60 MNR T R

Speaker 100



RT 100I80I60 MNR T R

Speaker 105



RT 100I80I60 MNR T R



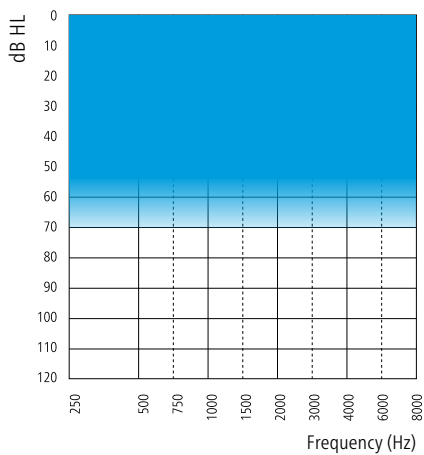
Radiant is a Made for iPhone®, iPad®, iPod® hearing aid, compatible with devices running iOS 13 or later. Direct audio streaming for Android devices requires Android 10 or later, Bluetooth® 5.0 and an implementation of Audio Streaming for Hearing Aids (ASHA) on the Android device. For information on compatibility, please visit www.sonici.com/compatibility.

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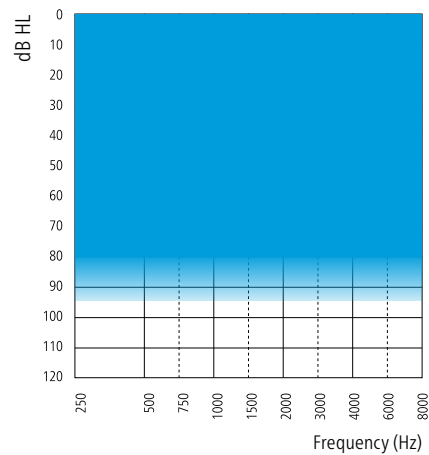
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Radiant miniRITE T R – Fitting range

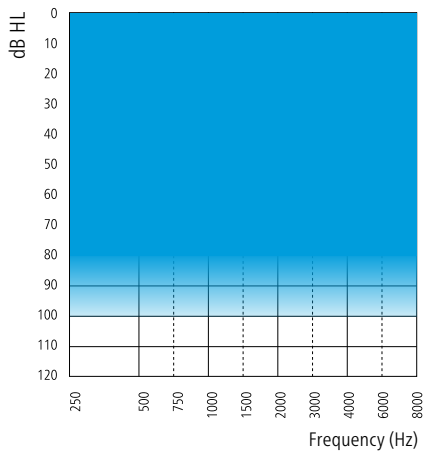
Speaker 60



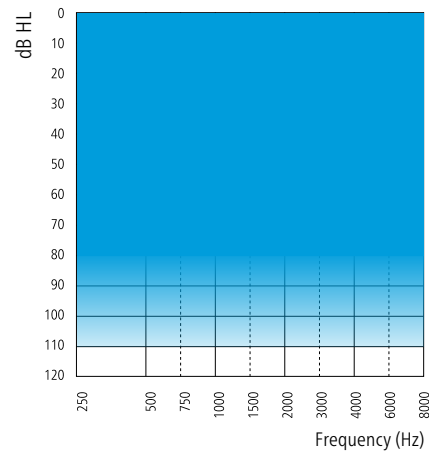
Speaker 85



Speaker 100



Speaker 105



Technical features

- Direct audio streaming (compatible with iOS and Android™ devices)
- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- Double push button
- Telecoil
- miniFit speakers
- Hydrophobic coating
- IP68 rated
- LED visual indicator

Accessories*

- Sonic SoundLink2 app (compatible with iOS and Android™ devices)
- Sonic SoundLink Connect app (compatible with iOS and Android™ devices)
- TV-A (TV adapter)
- SoundClip-A
- Noahlink Wireless (wireless programming interface)

* Please refer to www.sonici.com/compatibility for additional information and support.

| | RADIANT 100 | RADIANT 80 | RADIANT 60 |
|-----------------------------------|-------------|------------|------------|
| RADIAN-TECHNOLOGIES | | | |
| Radian Speech Processing | ● | ● | ● |
| Speech Optimizer | 3 options | 2 options | – |
| Noise Minimizer | 4 options | 2 options | – |
| Radian Noise Management | ● | ● | ● |
| Radian Noise Reduction | 4 options | 4 options | 3 options |
| Radian Directionality | ● | ● | ● |
| Radian States | 3 options | 2 options | – |
| Omni Sound Profile | 2 options | 2 options | – |
| Radian Engage | 4 options | 3 options | 2 options |
| PROCESSING OPTIONS | | | |
| Frequency bandwidth | 10 kHz | 8 kHz | 8 kHz |
| Extended Dynamic Range | ● | ● | – |
| Low Frequency Enhancement | ● | ● | ● |
| Frequency Transfer | ● | ● | ● |
| DIRECTIONALITY OPTIONS | | | |
| Radian Directionality | ● | ● | ● |
| Adaptive Directionality | ● | ● | ● |
| Fixed Directionality | ● | ● | ● |
| Omni Directionality | ● | ● | ● |
| COMFORT OPTIONS | | | |
| Impulse Noise Reduction | 4 options | 3 options | 3 options |
| Wind Noise Reduction | ● | ● | ● |
| Soft Noise Management | ● | ● | ● |
| Binaural Noise Management | ● | ● | – |
| Adaptive Feedback Canceller Pro | ● | ● | ● |
| PROGRAMMING OPTIONS | | | |
| Personalization | ● | ● | ● |
| Fitting bands | 24 | 20 | 18 |
| Environments | 14 | 13 | 13 |
| Manual listening programs | 4 | 4 | 4 |
| Universal Program | ● | ● | ● |
| SmartMusic Program | ● | ● | ● |
| Airplane Program | ● | – | – |
| Data Logging | ● | ● | ● |
| Adaptation Manager | ● | ● | ● |
| Tinnitus SoundSupport | ● | ● | ● |
| Noahlink Wireless programming | ● | ● | ● |
| Real Ear Fit | ● | ● | ● |
| CONVENIENCE OPTIONS | | | |
| Binaural Volume & Program Change | ● | ● | ● |
| Non-Telephone Ear Control | ● | ● | ● |
| Audible indicators | ● | ● | ● |
| Volume control step size | ● | ● | ● |
| Start-up delay | ● | ● | ● |
| Dual-Radio System | ● | ● | ● |
| Wireless connectivity accessories | ○ | ○ | ○ |

● Standard ○ Optional

Radiant 100|80|60 MNR TR can be programmed with EXPRESSfit® Pro 2020.2 or higher

Operating conditions of miniRITE TR

- Temperature: +5°C to +40°C (+41°F to +104°F)
- Humidity: 5% to 93%, non-condensing
- Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage

Transport:

- Temperature: –20°C to +60°C (–4°F to 140°F)
- Relative humidity: 5% to 93%, non-condensing
- Atmospheric pressure: 700 hPa to 1060 hPa

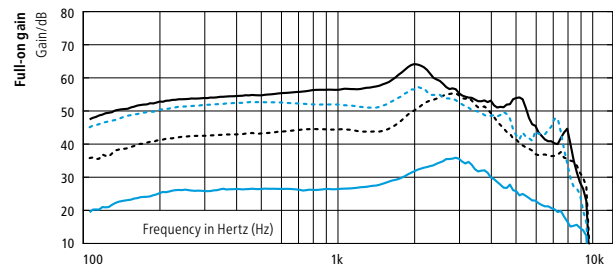
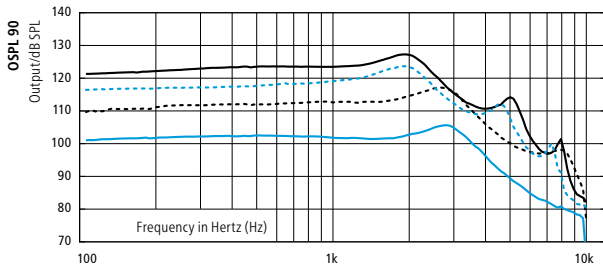
Storage:

- Temperature: –20°C to +30°C (–4°F to 86°F)
- Relative humidity: 5% to 93%, non-condensing
- Atmospheric pressure: 700 hPa to 1060 hPa

RADIANT 100 miniRITE T R

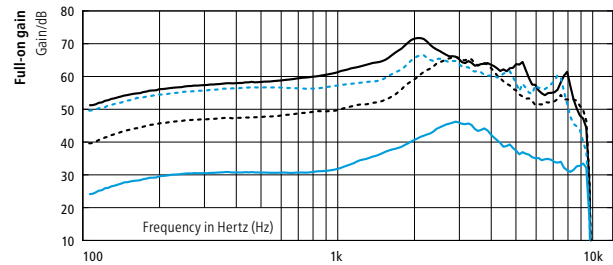
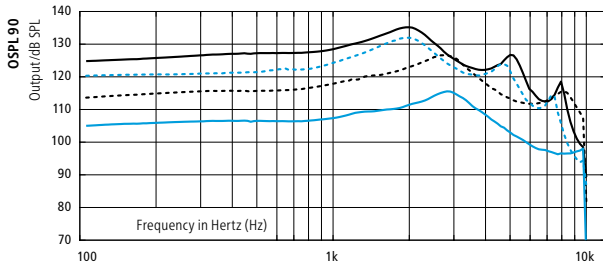
- Speaker 60
- - - Speaker 85
- · - · Speaker 100
- Speaker 105

2CC COUPLER



| | Speaker 60 | Speaker 85 | Speaker 100 | Speaker 105 |
|--|------------|------------|-------------|-------------|
| OSPL90, Peak (dB SPL) | 106 | 117 | 124 | 127 |
| OSPL90, 1600 Hz (dB SPL) | 102 | 113 | 122 | 126 |
| OSPL90, HFA (dB SPL) | 103 | 114 | 120 | 123 |
| Full-on Gain, Peak (dB) | 36 | 55 | 57 | 64 |
| Full-on Gain, 1600 Hz (dB) | 29 | 45 | 52 | 59 |
| Full-on Gain, HFA (dB) | 30 | 48 | 53 | 58 |
| Reference Test Gain (dB) | 26 | 37 | 42 | 47 |
| Battery | Li-ion | Li-ion | Li-ion | Li-ion |
| Expected operating time, hours ¹⁾ | 24 | | | |
| Distortion 500/800/1600 Hz (%) | <2/<2/<2 | <2/<2/<2 | <2/<2/<2 | <2/<2/<2 |
| Frequency Range (Hz) | 100-9400 | 100-8900 | 100-7500 | 100-7900 |
| Equivalent Input Noise ²⁾ dB(SPL) | 17 | 18 | 16 | 16 |
| Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL) | 59 | 76 | 86 | 89 |
| Telecoil HFA SPLITS (dB SPL) | 83 | 94 | 100 | 105 |

EAR SIMULATOR



| | 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) | 110 | 122 | 127 | 131 |
| Full-on Gain, Peak (dB) | 46 | 66 | 66 | 72 |
| Full-on Gain, 1600 Hz (dB) | 37 | 53 | 60 | 66 |
| Full-on Gain, HFA (dB) | 38 | 56 | 61 | 65 |
| Reference Test Gain (dB) | 31 | 46 | 53 | 58 |
| Battery | Li-ion | Li-ion | Li-ion | Li-ion |
| Expected operating time, hours ¹⁾ | 24 | | | |
| Distortion 500/800/1600 Hz (%) | <2/<3/<2 | <2/<4/<5 | <9/<6/<3 | <2/<2/<4 |
| Frequency Range (Hz) | 100-9600 | 100-9500 | 100-8900 | 100-9100 |
| Equivalent Input Noise ²⁾ dB(SPL) | 18 | 21 | 17 | 16 |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL) | 68 | 84 | 91 | 96 |

¹⁾ Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

²⁾ Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.

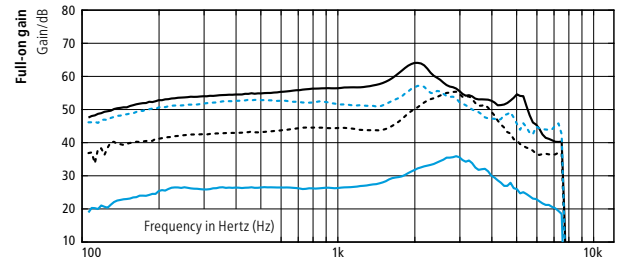
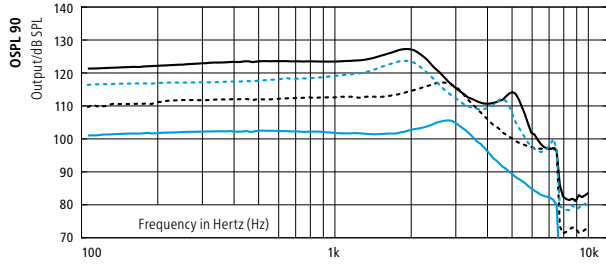
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing instruments set to its 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+A1:1994 but without influence of feedback.

* **Warning:** Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

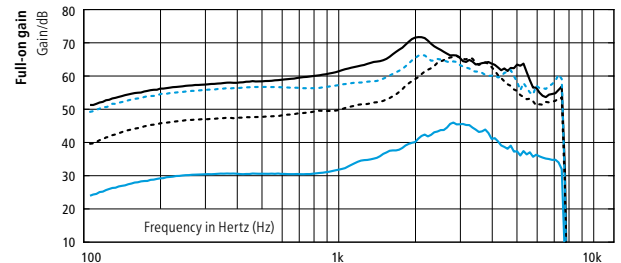
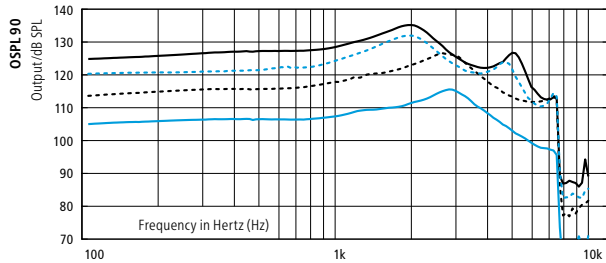
— Speaker 60
 - - - Speaker 85
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2CC COUPLER



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| Full-on Gain, HFA (dB) | 30 | 48 | 53 | 58 |
| Reference Test Gain (dB) | 26 | 37 | 42 | 47 |
| Battery | Li-ion | Li-ion | Li-ion | Li-ion |
| Expected operating time, hours ¹⁾ | 24 | | | |
| Distortion 500/800/1600 Hz (%) | <2/<2/<2 | <2/<2/<2 | <2/<2/<2 | <2/<2/<2 |
| Frequency Range (Hz) | 100-7500 | 100-7500 | 100-7500 | 100-7500 |
| Equivalent Input Noise ²⁾ dB(SPL) | 17 | 18 | 17 | 16 |
| Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL) | 58 | 77 | 86 | 89 |
| Telecoil HFA SPLITS (dB SPL) | 83 | 94 | 100 | 104 |

EAR SIMULATOR



| | Speaker 60 | Speaker 85 | Speaker 100 | Speaker 105 |
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| Full-on Gain, HFA (dB) | 38 | 56 | 61 | 65 |
| Reference Test Gain (dB) | 31 | 46 | 53 | 58 |
| Battery | Li-ion | Li-ion | Li-ion | Li-ion |
| Expected operating time, hours ¹⁾ | 24 | | | |
| Distortion 500/800/1600 Hz (%) | <2/<3/<2 | <2/<4/<5 | <9/<6/<3 | <2/<2/<4 |
| Frequency Range (Hz) | 100-7500 | 100-7500 | 100-7500 | 100-7500 |
| Equivalent Input Noise ²⁾ dB(SPL) | 19 | 22 | 17 | 16 |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL) | 68 | 84 | 91 | 96 |

¹⁾ Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

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Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

Full-on gain is measured with the gain control of the hearing instruments set to its 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+A1:1994 but without influence of feedback.

*** Warning:** Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

Charger, miniRITE T R

The charger of the Radiant miniRITE T R uses inductive technology that allows contactless charging of the hearing instrument via induction coil. Furthermore, the magnetic connection in the charger prevents the hearing

instruments from falling out. When the hearing instruments are inserted into the charger, it automatically starts charging. The hearing instruments turn ON when they are removed from the charger.



Packaging set

- Travel pouch
- Instructions for Use
- Power supply plug

Charging time of lithium-ion battery

- 3 h = Fully charged
- 1 h = 50 % charged
- 30 min = 25 % charged

¹ Power plug will vary from country to country.

Charger, miniRITE T R – Technical data

Charger, miniRITE T R

| | |
|--------------------------------------|--|
| Designed for/compatibility | Radiant, miniRITE T R |
| Dimensions | Ø95 mm /total height of 39 mm |
| Weight | 135 grams (5 oz) |
| Color | Black |
| Power supply plug | USB A |
| Status indications | LED on charger indicates Charger ON/OFF status LED on hearing instrument indicates charging status |
| Charging time of hearing instruments | Max 3 hours depending on initial state of the battery (Temperature: +10 °C to +35 °C (+50°F to +95°F)) Max 4 hours depending on initial state of the battery (Temperature: +5 °C to +10 °C (+41°F to +50°F)) / +35 °C to +40 °C (+95°F to +104°F)) |
| Power source | Supplied power supply unit |
| Input voltage | 5 V DC |
| Input current | < 0.2 A (charging two hearing instruments) <10mA stand-by (no hearing instruments inserted) |
| Cable | Fixed mounted cable / 150 cm |
| Connected to external equipment | When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-62368 (or IEC-60065, IEC-60950 until June 20, 2019) or equivalent safety standards. |

Conditions of use

| | |
|---------------------------------------|---|
| Operating conditions | Temperature: +5 °C to +40 °C (+41°F to +104°F) Relative humidity: 5% to 93%, non-condensing |
| Storage and transportation conditions | Temperature: -25 °C to +70 °C (-13°F to +158°F) Relative humidity: 5% to 93%, non-condensing |
| Atmospheric pressure | 700 hPa to 1060 hPa |

Technical data: Power supply unit

| | |
|-------------------|----------------|
| Power supply unit | AN05x – 050A |
| Input voltage | 100 – 240 V AC |
| Input current | 0.2 A |
| Input frequency | 50 – 60 Hz |
| Output voltage | 5 V DC |
| Output current | 1 A |



Audio Servicios

Soluciones Auditivas

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SANO Of. 201

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Sonic is part of the Demant group.

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