

PHILIPS

HearLink

Technical data

HearLink 9050

miniRITE

Philips HearLink 50 miniRITE (MNR) is a rechargeable hearing instrument suitable for slight to profound hearing loss. It includes our most advanced audiological features in SoundMap 3. Thanks to LE Audio and Bluetooth® Low Energy it supports hands-free communication and direct

streaming for iPhone, iPad, Mac and select Android™ devices. It comes with the new miniFit Detect speaker system, four power levels and a wide variety of domes and custom moulds.



Technical features

- Hands-free communication¹
- Direct streaming²
- LE Audio
- Bluetooth Low Energy technology
- Faster charging
- LED visual indicator
- miniFit Detect speakers
- Telecoil
- Hydrophobic coating

Accessories

- Philips HearLink 2 app
- Philips AudioClip
- Philips TV Adapter
- Philips Remote Control
- Philips Charger miniRITE (MNR)
- Charger Plus miniRITE (MNR)

For information on compatibility, please visit hearingsolutions.philips.com/compatibility

Operating and charging conditions
Temperature: +5°C to +40°C (41°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: -20°C to +60°C (-4°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

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

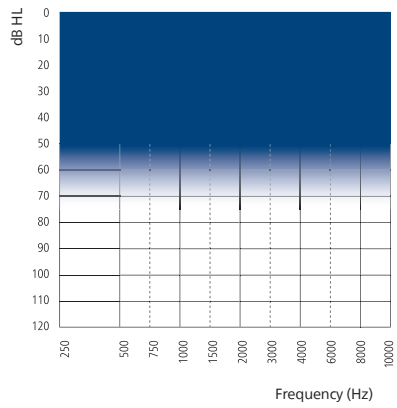
1) Hands-free communication is available on select devices
2) From iPhone, iPad, Mac and select Android devices

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.

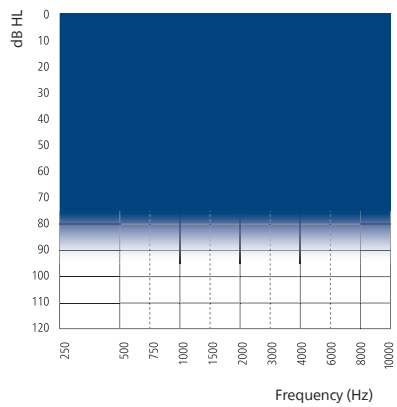


Fitting ranges

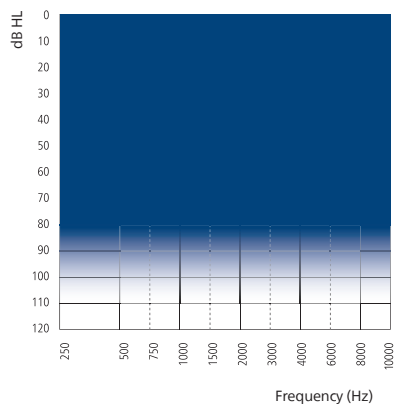
Philips HearLink 9050



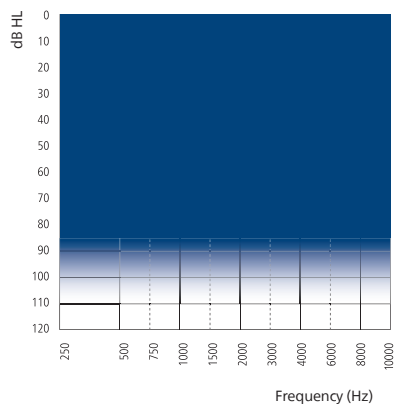
60



85



100



105

Feature overview

| | HearLink 9050 |
|---|---------------|
| SoundMap 3 | |
| SoundGuide | • |
| Amplification | |
| Frequency Bandwidth | 10 kHz |
| Extended Dynamic Range | • |
| Low Frequency Enhancement | • |
| Frequency Lowering | • |
| Comfort Control | 4 options |
| Noise reduction | |
| AI Noise Reduction | 5 options |
| Speech Clarifier | 3 options |
| Transition | 4 options |
| SoundProtect Transient Noise Reduction | 6 options |
| SoundProtect Wind Noise Management | • |
| Soft Noise Management | • |
| Binaural Noise Management | • |
| Directionality | |
| Dynamic Directionality | • |
| Pinna Mode | 2 options |
| Adaptive/Fixed/Omni Directionality | • |
| Feedback canceller | |
| Strength control | • |
| SoundTie 3 with LE Audio, MFi and ASHA | |
| Direct streaming ¹ | • |
| Hands-free communication ² | • |
| Binaural coordination (NFMI) | |
| Binaural Volume and Program Change | • |
| Programming options | |
| Fitting Bands | 24 |
| Environments | 13 |
| Manual Listening Programs | 4 |
| HiFi Music Program | • |
| Airplane Program | • |
| Data Logging and Connection Count | • |
| Audible Indicators & Notify Me | • |
| Tap control | • |
| Adaptation Manager | • |
| CROS compatibility | • |
| Tinnitus SoundSupport | • |

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

2) Hands-free communication is available on select devices

HearLink 9050 miniRITE

Ear Simulator

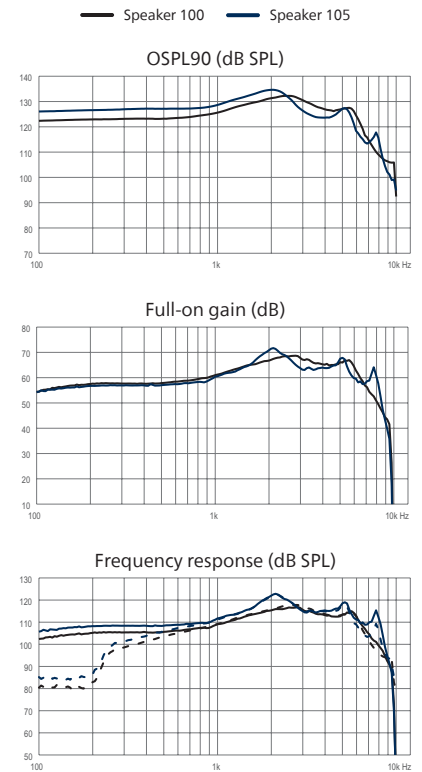
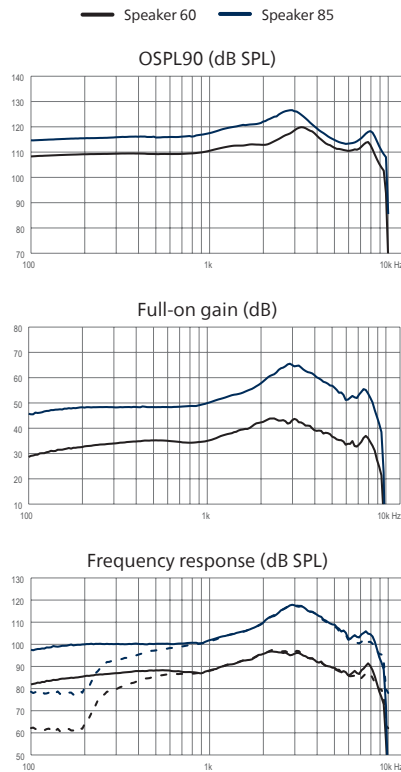
Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010



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) | 120 | 127 | 132 | 135 |
| OSPL90, 1600 Hz (dB SPL) | 113 | 121 | 130 | 133 |
| OSPL90, HFA (dB SPL) | 113 | 121 | 129 | 131 |
| Full-on gain, Peak (dB) | 44 | 66 | 69 | 72 |
| Full-on gain, 1600 Hz (dB) ¹ | 40 | 54 | 65 | 65 |
| Full-on gain, HFA (dB) | 39 | 56 | 65 | 65 |
| Reference test gain (dB) | 33 | 46 | 54 | 57 |
| Frequency range (Hz) | <100-9400 | <100-9400 | <100-8800 | <100-8800 |
| Telecoil output, 1 mA/m field (1600 Hz) (dB SPL) | 71 | 85 | 97 | 97 |
| Telecoil output, 10 mA/m field (1600 Hz) (dB SPL) | 91 | 105 | 117 | 117 |
| Total harmonic distortion (Input 70 dB SPL), 500 Hz (%) | <2 | <2 | <2 | <2 |
| Total harmonic distortion (Input 70 dB SPL), 800 Hz (%) | <2 | <2 | <3 | <3 |
| Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%) | <3 | <3 | <2 | <3 |
| Equivalent input noise level, Omni (dB SPL) | 17 | 22 | 16 | 17 |
| Equivalent input noise level, Dir (dB SPL) | 27 | 30 | 26 | 27 |
| Battery | Lithium-ion | Lithium-ion | Lithium-ion | Lithium-ion |
| Expected operating time, hours ² | 24 | 24 | 24 | 24 |

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) 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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2CC Coupler

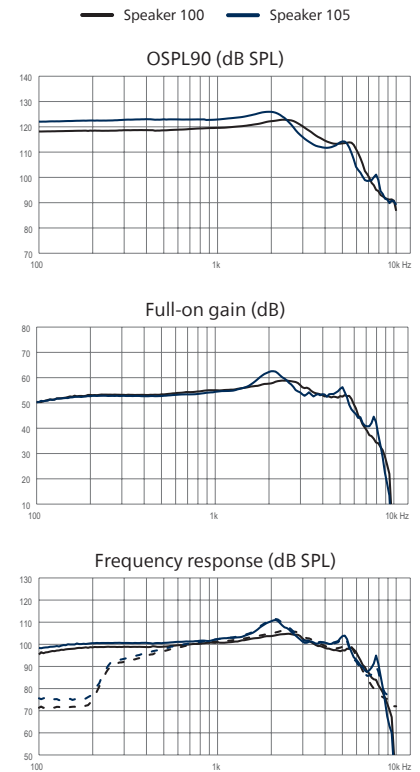
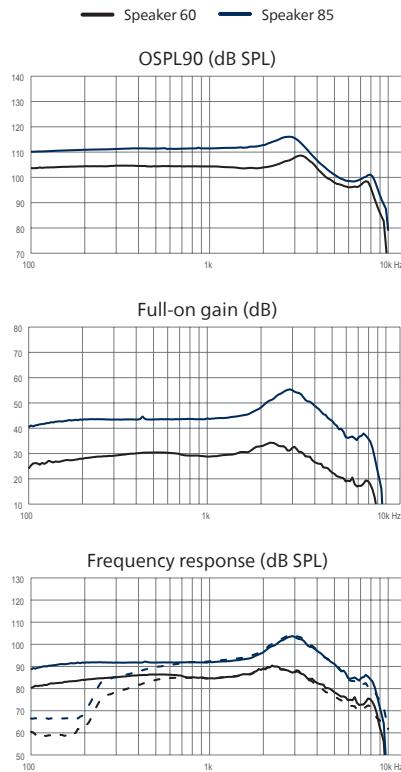
Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006



Technical information
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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) | 109 | 116 | 123 | 126 |
| OSPL90, 1600 Hz (dB SPL) | 104 | 112 | 121 | 125 |
| OSPL90, HFA (dB SPL) | 105 | 113 | 121 | 123 |
| Full-on gain, Peak (dB) | 34 | 55 | 59 | 63 |
| Full-on gain, 1600 Hz (dB) ¹ | 31 | 45 | 57 | 57 |
| Full-on gain, HFA (dB) | 31 | 47 | 57 | 57 |
| Reference test gain (dB) | 27 | 36 | 43 | 45 |
| Frequency range (Hz) | <100-8400 | <100-8500 | <100-7100 | <100-8200 |
| Telecoil output, 1 mA/m field (1000 Hz) (dB SPL) | 60 | 75 | 86 | 86 |
| Telecoil output, HFA SPLITS L/R (dB SPL) | 87 | 96 | 103 | 105 |
| 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) | 18 | 19 | 16 | 17 |
| Equivalent input noise level, Dir (dB SPL) | 30 | 30 | 29 | 29 |
| Battery | Lithium-ion | Lithium-ion | Lithium-ion | Lithium-ion |
| Expected operating time, hours ² | 24 | 24 | 24 | 24 |

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) 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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