

PHILIPS

HearLink

Technical data

HearLink 9050 | 7050 | 5050 | 3050 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 molds.



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)

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

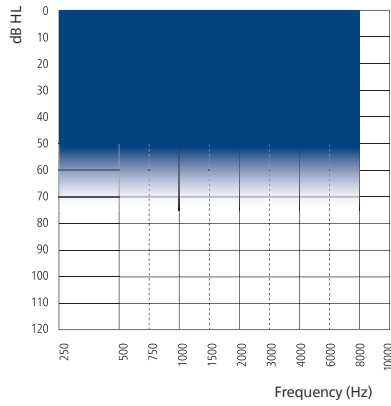
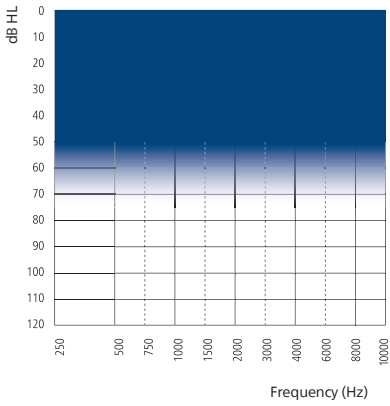
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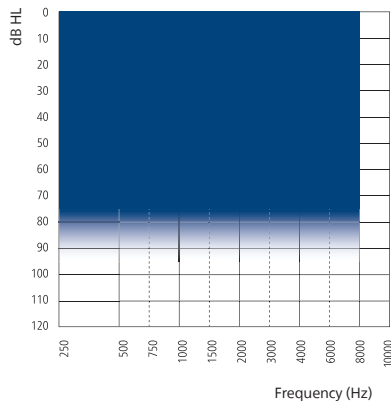
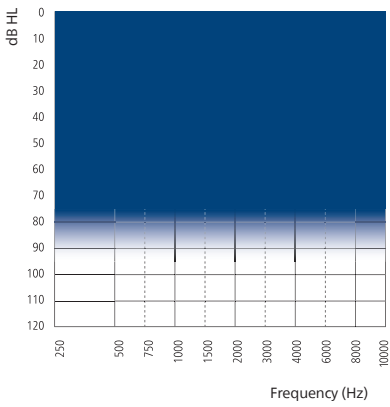
Fitting ranges

Philips HearLink 9050

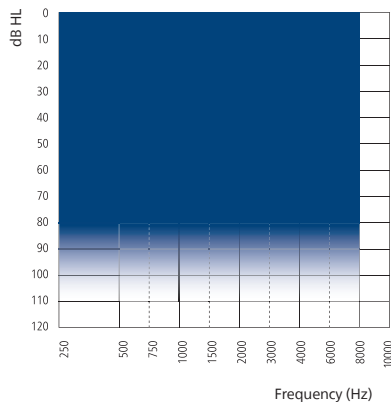
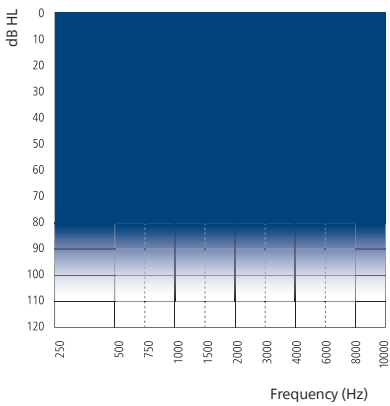
Philips HearLink 7050 | 5050 | 3050



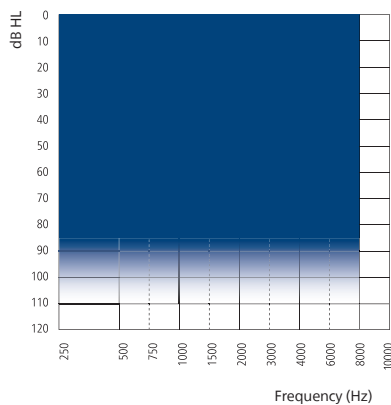
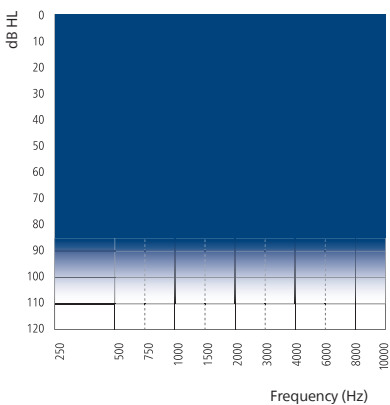
60



85



100



105

Feature overview

	HearLink 9050	HearLink 7050	HearLink 5050	HearLink 3050
SoundMap 3				
SoundGuide	•	•	-	-
Amplification				
Frequency bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Extended Dynamic Range	•	•	-	-
Low Frequency Enhancement	•	•	•	•
Frequency Lowering	•	•	•	•
Comfort Control	4 Options	2 Options	-	-
Noise Reduction				
AI Noise Reduction	5 Options	4 Options	3 Options	2 Options
Speech Clarifier	3 Options	2 Options	-	-
Transition	4 Options	3 Options	2 Options	1 option
SoundProtect Transient Noise Reduction	6 Options	5 Options	4 Options	2 Options
SoundProtect Wind Noise Management	•	•	•	•
Soft Noise Management	•	•	•	•
Binaural Noise Management	•	•	•	-
Directionality				
Dynamic Directionality	•	•	•	-
Pinna Mode	2 Options	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	20	18	14
Environments	13	11	11	9
Manual listening programs	4	4	4	4
HiFi Music	•	•	•	•
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

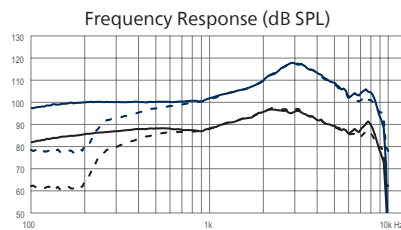
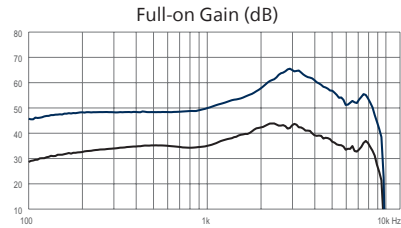
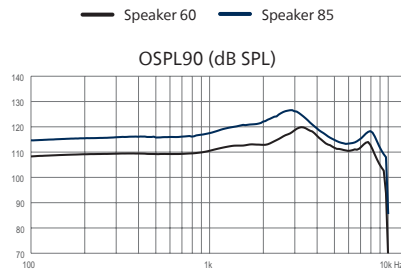
Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010



Technical information
Omnidirectional mode is used unless otherwise stated.

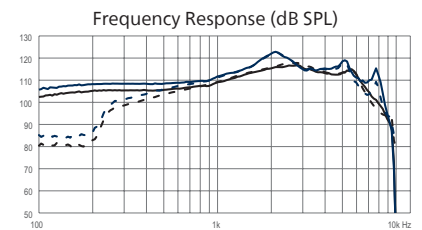
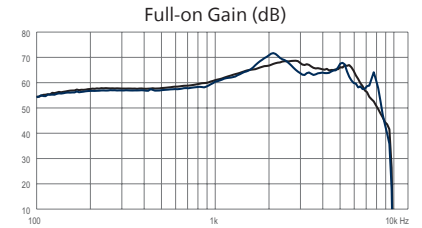
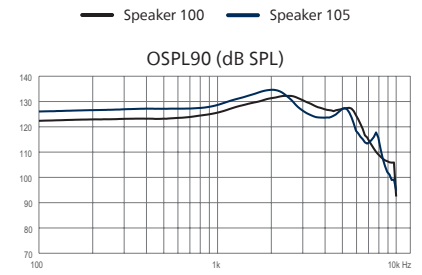
Speaker 60 / 100
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m

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.

HearLink 9050 miniRITE

2CC Coupler

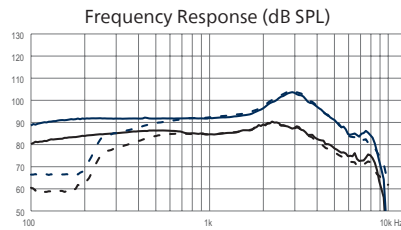
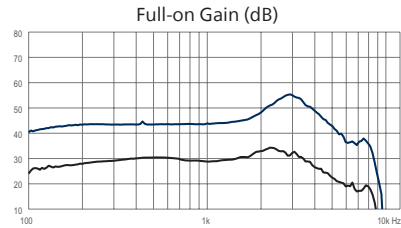
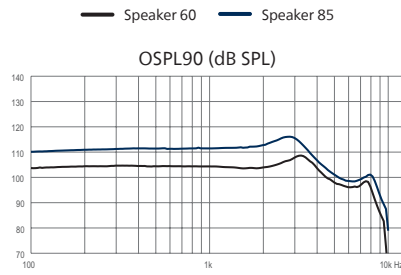
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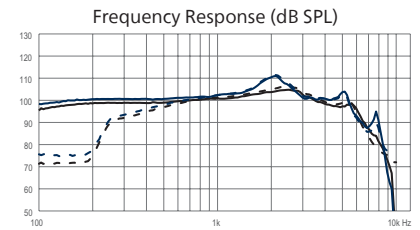
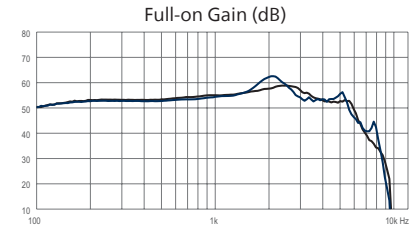
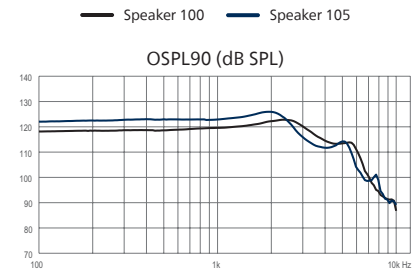
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Speaker 85 / 105
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m



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

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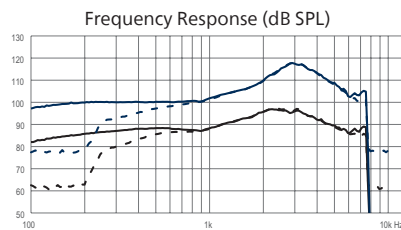
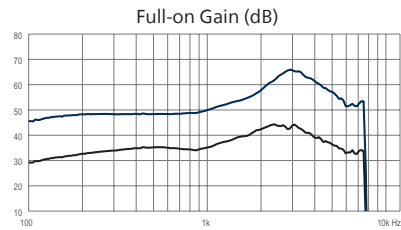
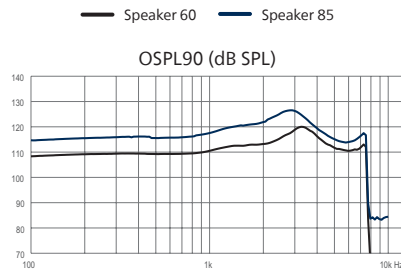
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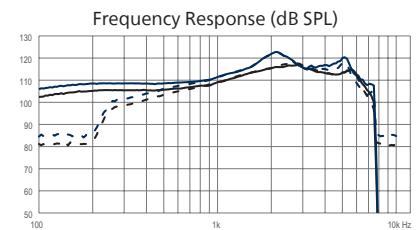
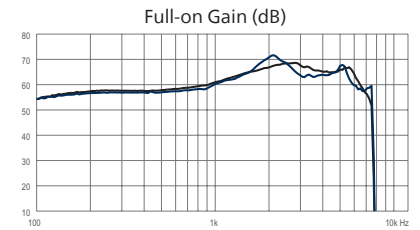
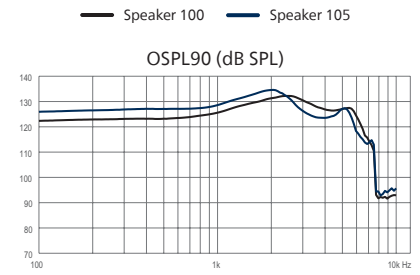
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Speaker 85 / 105
— Acoustic input: 60 dB SPL
- - - Magnetic input: 31.6 mA/m



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)	<100-7500	<100-7500	<100-7500	<100-7500
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
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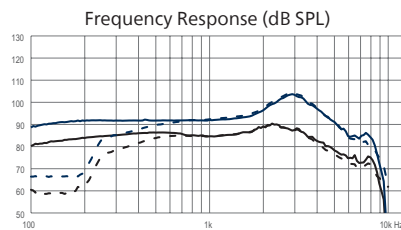
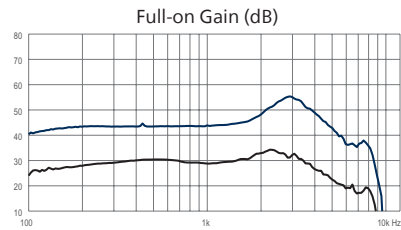
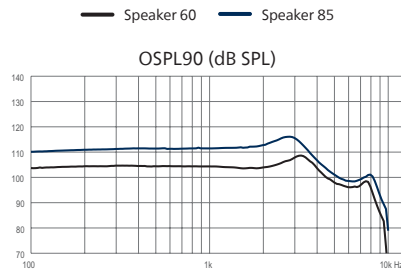
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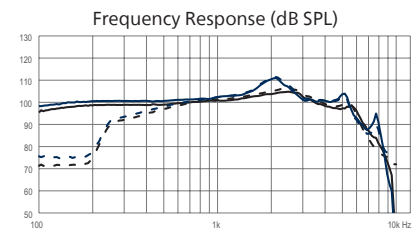
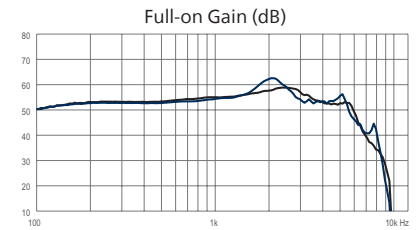
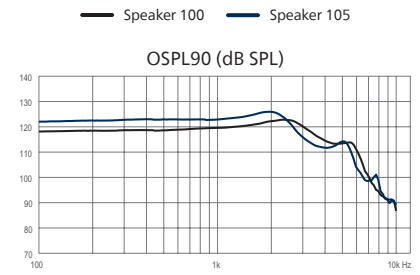
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— Acoustic input: 60 dB SPL
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Speaker 60

Speaker 85



Speaker 100

Speaker 105

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Full-on Gain, HFA (dB)	31	47	57	57
Reference test gain (dB)	27	36	43	45
Frequency range (Hz)	<100-7500	<100-7500	<100-7100	<100-7500
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Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
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 **SBO Hearing A/S**
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DK-2765 Smørum
Denmark

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