PHILIPS

HearLink

Technical data
HearLink 9050 | 7050 | 5050 | 3050
miniBTE R

This rechargeable miniBTE R (MNB R) is for slight to profound hearing loss. It offers two fitting levels in one device 85 and 105 that are configurable in the fitting software. It includes our most advanced SoundGuide feature – motion sensor.

Thanks to Bluetooth® LE Audio, Bluetooth Low Energy, and Auracast™ broadcast it supports hands-free communication and direct streaming for iPhone, iPad, Mac and select Android™ devices.

Hook	Thin tube 1.3 mm	Thin tube 0.9 mm
		
MNB R	MNB R	MNB R

Technical features

- Auracast™ broadcast
- Bluetooth® LE Audio
- Bluetooth® Low Energy
- Contact charging
- Telecoil
- NFMI (Near-Field Magnetic Induction)
- Double push-button
- IP68 rated

Accessories

- Philips HearLink 2 app
- Philips AudioClip
- Philips TV Adapter
- Philips Remote Control
- Philips Charger miniBTE R (MNB R)
- Hook and thin tube

For information on compatibility, please visit hearingsolutions.philips.com/compatibility
This hearing aid also comes as DemoFlex with the same technical data

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 during transportation and storage.

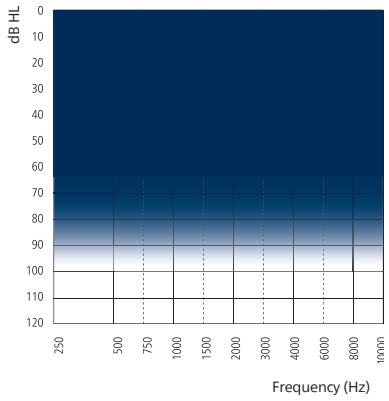
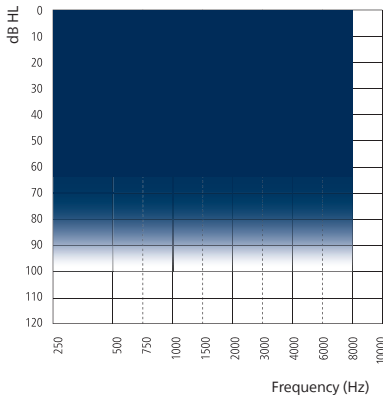
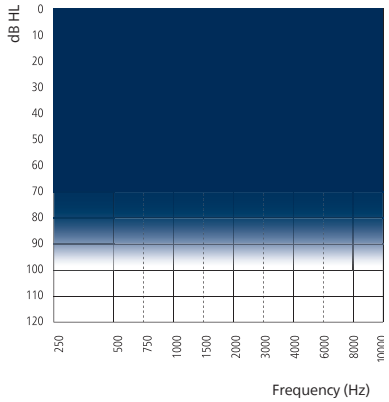
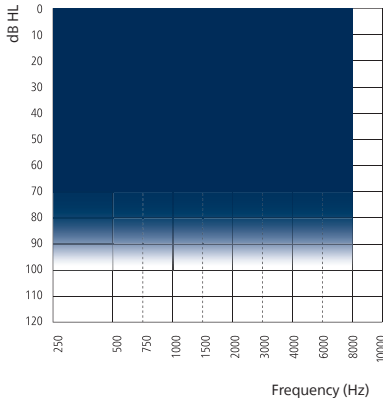
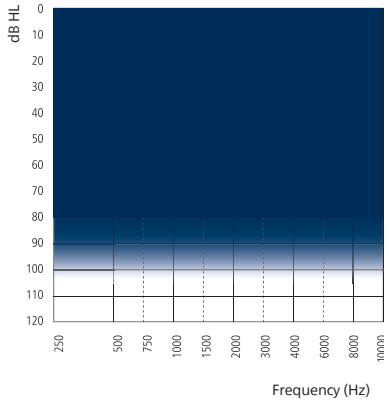
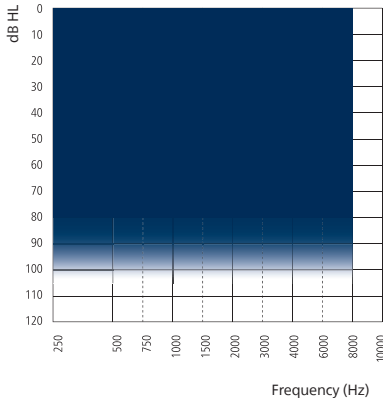
Transport
Temperature: -20°C to +60°C (-4°F to +140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

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

WARNING: No modification of this equipment is allowed.

Made for iPhone | iPad · Mac · Works with android · AURACAST A BLUETOOTH® TECHNOLOGY

Fitting ranges

Philips HearLink 9050	Philips HearLink 7050 | 5050 | 3050	
		85 Hook
		85 105 Thin tube
		105 Hook

Feature overview

	HearLink 9050	HearLink 7050	HearLink 5050	HearLink 3050
SoundMap 3				
SoundGuide	•	•	—	—
SoundMap 3 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 4 with Bluetooth® LE Audio, Auracast™ broadcast, MFi and ASHA				
Direct Streaming[1]	•	•	•	•
Hands-free communication[1]	•	•	•	•
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 Program	•	•	•	•
Airplane Program	•	—	—	—
Data Logging and Connection Count	•	•	•	•
Audible Indicators & Notify Me	•	•	•	•
Tap control	•	•	•	•
Adaptation Manager	•	•	•	•
CROS compatibility	•	•	•	•
Tinnitus SoundSupport	•	•	•	•

1) Available on select devices. For more information, please visit hearingsolutions.philips.com/compatibility

HearLink 9050 miniBTE R

Ear Simulator

Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010

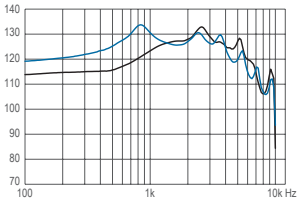
Technical information
Omnidirectional mode is used unless otherwise stated.

85 hook (damped) / 105 hook (damped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

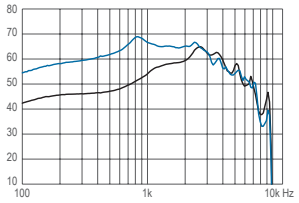
Thin tube 1.3 / 105 hook (undamped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped) — Thin tube 1.3

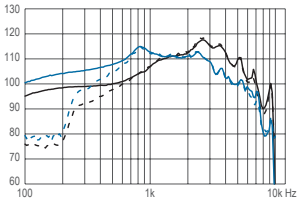
OSPL90 (dB SPL)



Full-on gain (dB)

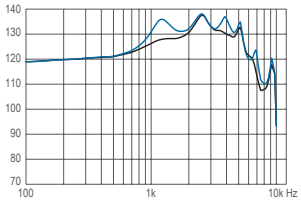


Frequency response (dB SPL)

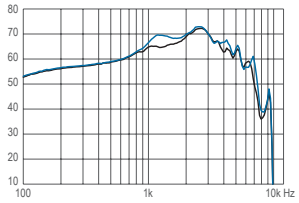


105 hook (damped) — 105 hook (undamped)

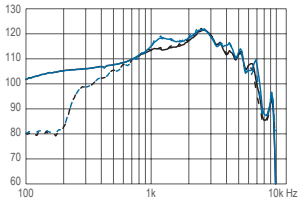
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



	85 hook (damped)	Thin tube 1.3	105 hook (damped)	105 hook (undamped)
OSPL90, Peak (dB SPL)	133	134	138	138
OSPL90, 1600 Hz (dB SPL)	127	126	128	132
OSPL90, HFA (dB SPL)	128	129	131	134
Full-on gain, Peak (dB)[1]	65	69	72	73
Full-on gain, 1600 Hz (dB)[1]	58	65	66	68
Full-on gain, HFA (dB)[1]	59	66	68	69
Reference test gain (dB)	51	51	55	57
Frequency range (Hz)	<100-9400	<100-7300	<100-7000	<100-7300
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	89	95	97	99
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	109	115	117	119
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<4	<4
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<2	<4	<3
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Equivalent input noise level (dB SPL)	17	16	17	16
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) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

HearLink 9050 miniBTE R

2CC Coupler

Measured according to ANSI S3.22-2024,
IEC 60118-0:2022 and IEC 60318-5:2006

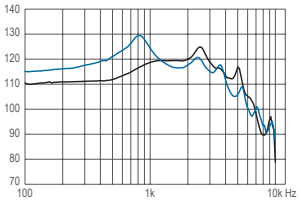
Technical information
Omnidirectional mode is used unless otherwise stated.

85 hook (damped) / 105 hook (damped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

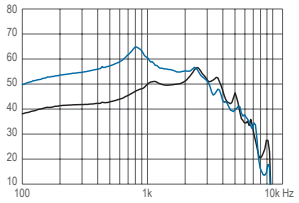
Thin tube 1.3 / 105 hook (undamped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped) — Thin tube 1.3

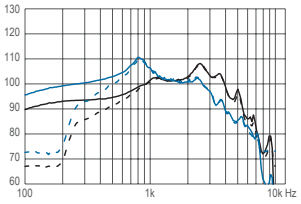
OSPL90 (dB SPL)



Full-on gain (dB)

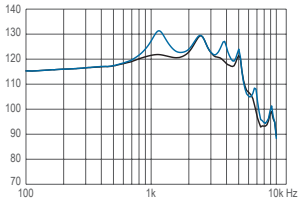


Frequency response (dB SPL)

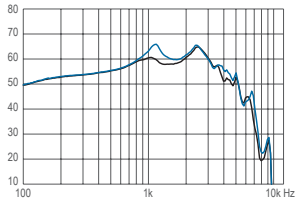


105 hook (damped) — 105 hook (undamped)

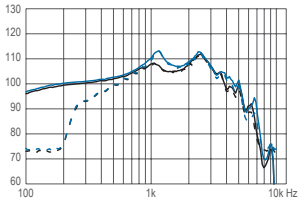
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



	85 hook (damped)	Thin tube 1.3	105 hook (damped)	105 hook (undamped)
OSPL90, Peak (dB SPL)	125	130	129	131
OSPL90, HFA (dB SPL)	121	120	124	127
Full-on gain, Peak (dB)[1]	57	65	65	66
Full-on gain, HFA (dB)[1]	52	57	61	63
Reference test gain (dB)	44	43	48	50
Frequency range (Hz)	<100-6800	<100-5700	<100-6500	<100-6800
Telecoil output, HFA SPLITS L/R (dB SPL)	103	102	107	109
Full-on HFA-SPLIV (dB SPL)	102	107	111	112
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<2	<3
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<3	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2	<2
Equivalent input noise level (dB SPL)	15	17	15	15
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Latency, (ms)	8.3	8.3	8.3	8.3
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) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

HearLink 7050 | 5050 | 3050 miniBTE R

Ear Simulator

Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010

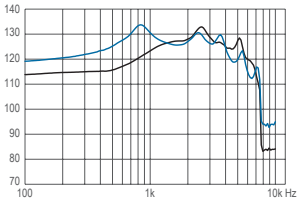
Technical information
Omnidirectional mode is used unless otherwise stated.

85 hook (damped) / 105 hook (damped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

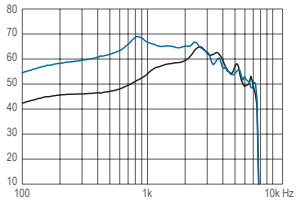
Thin tube 1.3 / 105 hook (undamped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped) — Thin tube 1.3

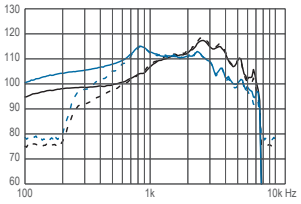
OSPL90 (dB SPL)



Full-on gain (dB)

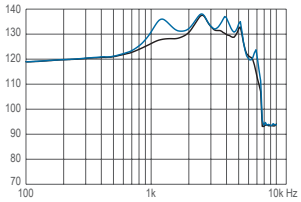


Frequency response (dB SPL)

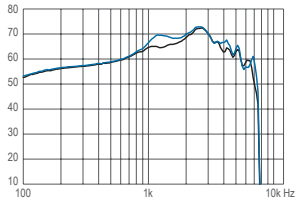


105 hook (damped) — 105 hook (undamped)

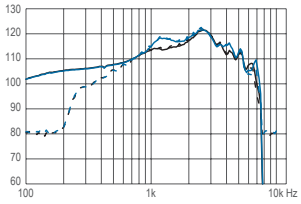
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



	85 hook (damped)	Thin tube 1.3	105 hook (damped)	105 hook (undamped)
OSPL90, Peak (dB SPL)	133	134	138	138
OSPL90, 1600 Hz (dB SPL)	127	126	128	132
OSPL90, HFA (dB SPL)	128	129	131	134
Full-on gain, Peak (dB)[1]	65	69	72	73
Full-on gain, 1600 Hz (dB)[1]	58	65	66	68
Full-on gain, HFA (dB)[1]	59	66	68	69
Reference test gain (dB)	51	51	55	57
Frequency range (Hz)	<100-7500	<100-7300	<100-7000	<100-7300
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	89	95	97	99
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	109	115	117	119
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<4	<4
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<2	<4	<3
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Equivalent input noise level (dB SPL)	17	16	17	16
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) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

HearLink 7050 | 5050 | 3050 miniBTE R

2CC Coupler

Measured according to ANSI S3.22-2024,
IEC 60118-0:2022 and IEC 60318-5:2006

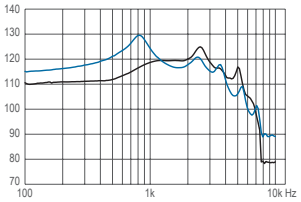
Technical information
Omnidirectional mode is used unless otherwise stated.

85 hook (damped) / 105 hook (damped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

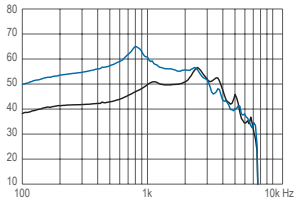
Thin tube 1.3 / 105 hook (undamped)
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped) — Thin tube 1.3

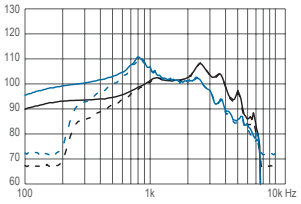
OSPL90 (dB SPL)



Full-on gain (dB)

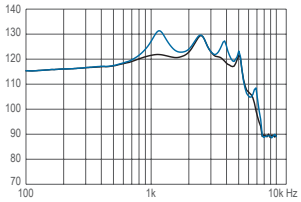


Frequency response (dB SPL)

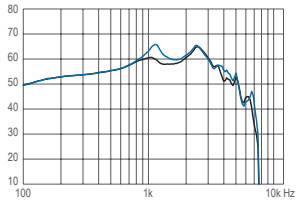


105 hook (damped) — 105 hook (undamped)

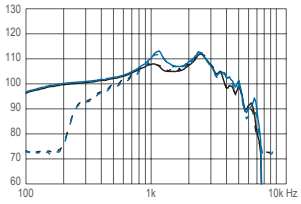
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



	85 hook (damped)	Thin tube 1.3	105 hook (damped)	105 hook (undamped)
OSPL90, Peak (dB SPL)	125	130	129	131
OSPL90, HFA (dB SPL)	121	120	124	127
Full-on gain, Peak (dB)[1]	57	65	65	66
Full-on gain, HFA (dB)[1]	52	57	61	63
Reference test gain (dB)	44	43	48	50
Frequency range (Hz)	<100-6800	<100-5700	<100-6500	<100-6800
Telecoil output, HFA SPLITS L/R (dB SPL)	103	102	107	109
Full-on HFA-SPLIV (dB SPL)	102	107	111	112
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<2	<3
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<3	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2	<2
Equivalent input noise level (dB SPL)	15	17	15	15
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Latency, (ms)	8.3	8.3	8.3	8.3
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) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

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

285251UK / 2025.09.01 / v1

hearingsolutions.philips.com