

# PHILIPS

## HearLink

# Specification guide

## HearLink 9040

### miniRITE T R

HearLink miniRITE T R is a rechargeable receiver-in-the-ear hearing instrument suitable for slight to profound hearing losses. Powered by AI sound technology, the HearLink miniRITE T R includes our most advanced audiological features in SoundMap 2 Plus. Thanks to updated Bluetooth® Low Energy, it directly connects to iOS (iPhone, iPad, iPod) and Android™ devices. The miniRITE T R comes with the miniFit speaker system, which includes four power levels and a wide variety of domes and custom molds.

#### Speaker 60



#### Speaker 85



#### Speaker 100



#### Speaker 105



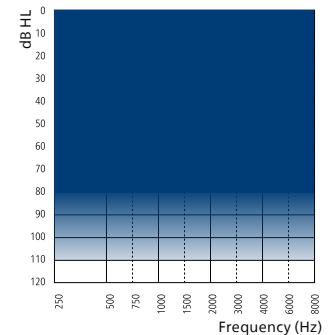
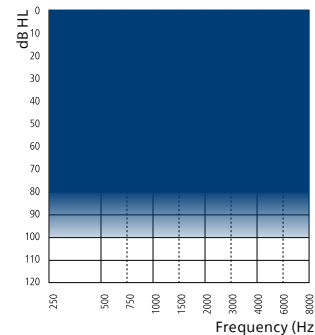
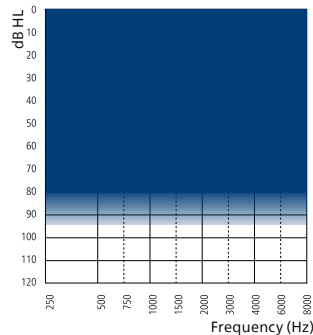
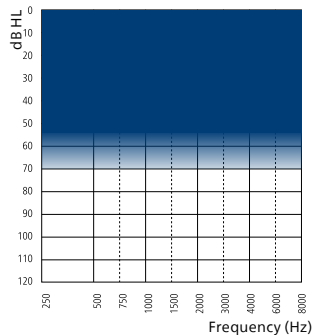
9040 MNR T R  
(HER9042)

Made for

iPhone | iPad | iPod

Works with

android



#### Technical features

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

\* Please refer to [hearingsolutions.philips.com](https://hearingsolutions.philips.com) for additional information and support.

\*\* Available from FW 1.0 with select iPhone and iPad models.

#### Accessories\*

- Philips HearLink 2 app (compatible with iOS and Android devices)
- Philips Remote Control
- Philips TV Adapter
- Philips AudioClip
- Noahlink Wireless (wireless programming interface)

Philips HearLink is a Made for iPhone, iPad, iPod hearing aid. 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 [hearingsolutions.philips.com/compatibility](https://hearingsolutions.philips.com/compatibility).

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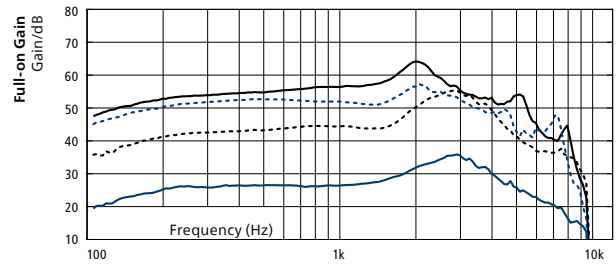
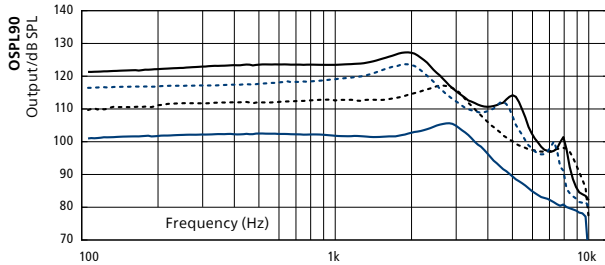
**WARNING:** No modification of this equipment is allowed.

# HearLink 9040

HER9042 MNR T R

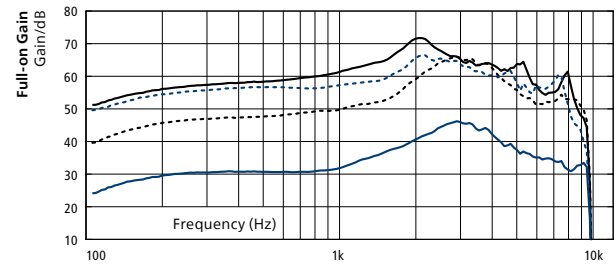
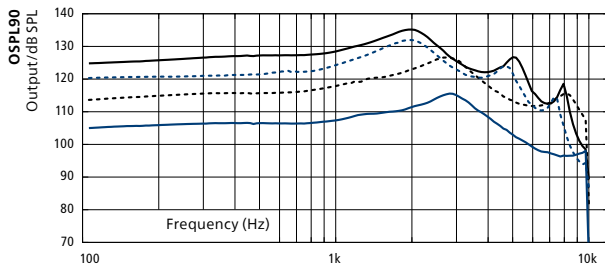
— Speaker 60    ··· Speaker 85    ··· Speaker 100    — Speaker 105

## 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 <sup>1</sup>	24	24	24	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 (dB SPL) <sup>2</sup>	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 <sup>1</sup>	24	24	24	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 (dB SPL) <sup>2</sup>	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 to the hearing aid dispenser

The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

# Feature overview

HearLink 9040

## SoundMap 2 Plus

### Amplification

Frequency bandwidth	10 kHz
Extended Dynamic Range	•
Low Frequency Enhancement	•
Frequency lowering	•
Comfort Control	4 Options

### Noise Control

Speech Clarifier	3 Options
Transition	4 Options

### Directionality

Pinna Mode	2 Options
Omni Directionality	•
Fixed Directional	•
Adaptive Directionality	•
Dynamic Directionality	3 Options

### AI Noise Reduction

Noise Reduction Mode	4 Options
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### Special noise management

Soft Noise Management	•
SoundProtect Wind Noise Management	•
SoundProtect Transient Noise Reduction	6 Options
Binaural Noise Management	•

### Feedback Canceller

Strength control	•
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### SoundTie 2

iOS and Android direct streaming	•
Hands-free communication for iOS	•

### Binaural coordination

NFMI	•
Binaural Volume & Program Change	•
Non-Telephone Ear Control	•

### Programming options

General	•
Fitting Bands	24
Environments	13
Manual listening programs	4
HiFi Music	•
Airplane Program	•
Data Logging	•
Connection Count	•
Audible Indicators & Notify Me	•
Adaptation Manager	•
CROS compatibility	•
Tinnitus SoundSupport	•

HearLink 9040|7040|5040 MNR T R instruments can be programmed with HearSuite 2023.1 or higher

#### 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

#### 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)  
Humidity: 5% to 93% relative humidity, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

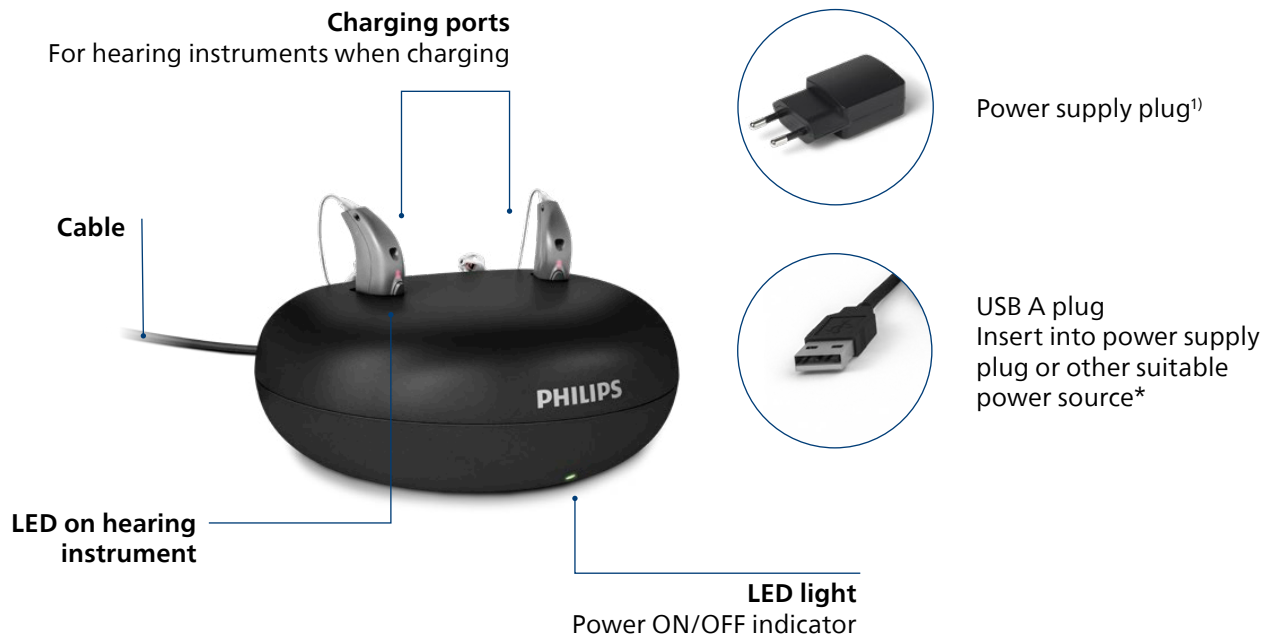
##### Storage

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

# Charger, miniRITE T R – Overview

## Charger, miniRITE T R

The charger for HearLink miniRITE T R uses inductive technology that allows contactless charging of two hearing instruments 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
- User Guide
- Power supply plug

### Charging time of lithium-ion battery

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

<sup>1)</sup> Power plug will vary from country to country  
\* USB 2.0 high power (500 mA output) required.

# Charger, miniRITE T R – Technical data

## Charger, miniRITE T R

Designed for/compatibility	HearLink 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 +38 °C (+95°F to +100°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 +38 °C (+41°F to +100°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







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