

Phonak

Roger NeckLoop

(02/03)



Roger NeckLoop is a universal inductive neck loop receiver. Simply connect Roger NeckLoop to a wireless Roger™ microphone. Roger NeckLoop is compatible with all hearing instruments and cochlear implants that feature a T-coil, including ITE and micro-sized BTEs.

Technical Data

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|---|---|
| Type | Universal inductive Roger receiver Operates with Roger microphones |
| Dimensions (L x W x H) without neck loop | 70 x 39 x 18 mm (2.76 x 1.53 x 0.71") |
| Length of standard loop | 750 mm (30") |
| Length of short loop | 550 mm (22") |
| Weight | 34 g (1.2 oz) |
| Weight, including standard loop | 52 g (1.8 oz) |
| Operating conditions | The product has been designed for trouble-free operation without restrictions when used as intended, unless otherwise stated in the user guide. 0° to +40° Celsius (+32° to +104° Fahrenheit) Humidity <80% (non-condensing) Atmospheric pressure: 700 hPa to 1060 hPa |
| Transport and storage conditions | -20° to +45° Celsius (-4° to +113° Fahrenheit) Humidity <85% (non-condensing) Atmospheric pressure: 700 hPa to 1060 hPa |



Features

- Additional adaptive gain
- Effective stand-by mode
- Detachable neck loop
- Rechargeable built-in battery
- Over 10 hours operating time
- Headphone output
- USB audio interface
- Check to read/manage device data via Roger Touchscreen Mic*

Roger characteristics

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|--------------------|--|
| Frequency | 2.4 GHz including adaptive automatic frequency hopping |
| Transmission delay | <20 ms |
| Antenna | Built-in antenna |
| RF Output Power | 2 mW |

Audio characteristics

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|--------------------------------|--|
| Audio bandwidth | 100 Hz – 7.0 kHz |
| Distortion | < 2% for fmod = 1 kHz |
| Magnetic field strength | 1.25 A/m 150 mm above the center loop (transmitter in compression, fmod = 1 kHz, surrounding noise level <58 dB SPL) |
| Additional adaptive audio gain | Up to 20 dB |
| Level of headphone output | 78 dB SPL with Phonak headphones (transmitter in compression, fmod = 1 kHz, surrounding noise level <58 dB SPL) |
| Headphone connector | Jack 3.5 mm / 0.14" |

Power management

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|-------------------------|--|
| Battery type | Lithium Polymer 3.7 VDC Embedded, not removable Capacity: 250 mAh (typ.) Charging time: <3 hours (typ.) |
| Operating time | >10 hours |
| Charging, input voltage | 5 VDC, stabilized USB Type C |
| Input current | Max. 260 mA |

Standards

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|----------|----------------------------------|
| Radiocom | EN 301 489-1 |
| EMC | IEC/EN 60601-1-2 FCC part 15b |
| Safety | IEC 60601-1 |

Compatibility

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|-------------------|--|
| Hearing devices | Any hearing aid or sound processor featuring a T-coil |
| Roger microphones | Roger On™ Roger Select™ Roger Table Mic II Roger Pen™ Roger EasyPen Roger Clip-On Mic Roger On™ iN Roger Select™ iN Roger Table Mic II iN Roger Pen™ iN Roger Touchscreen Mic* Roger Pass-around* |

* Only valid for Roger NeckLoop (02) version