

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

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

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

Audio characteristics

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

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

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

Compatibility

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