

Phonak

Roger™ 14

(02)



Roger 14 is a design-integrated Roger receiver that is compatible with Cochlear Nucleus 5 and Nucleus 6 sound processors.

Technical Data

Type	Design-integrated Roger CI receiver Operates with all Roger microphones
Dimensions (L x W x H)	17.2 x 8.3 x 12.2 mm (0.677 x 0.327 x 0.48")
Weight	0.95 g (0.034 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 +60° Celsius (+32° to +140° Fahrenheit) Relative humidity of <95% (non-condensing)
Transport and storage conditions	-20° to +60° Celsius (-4° to +140° Fahrenheit) Relative humidity of <70% for a long period of time



Features

- Adaptive gain
- Effective stand-by mode
- EasyGain adjustment
- Check to read / manage device data via Roger Touchscreen Mic and Roger inspiro
- Link quality measurement

What is Roger

Roger is the digital standard that bridges the understanding gap, in noise and over distance, by wirelessly transmitting the speaker's voice directly to the listener.

Roger characteristics

Frequency	2.4 GHz ISM band
Transmission delay	<20 ms
Antenna	Built-in antenna
Backlink RF power	0.02 mW

Audio characteristics

Audio bandwidth	100 Hz – 7.2 kHz
Distortion	< 2% for fmod = 1 kHz
Audio signal output	-38 dBV (transmitter in compression, fmod = 1 kHz, surrounding noise level < 58 dB SPL) @ EasyGain = 0dB
Adaptive audio gain	Up to 20 dB
EasyGain range	-8 dB to +8 dB

Power management

Power supply	Supplied by the CI sound processor battery
Voltage range	1.0 to 1.5 V
Current drain	Active mode 2.8 mA for V _{BAT} = 1.2 V Sleep mode 0.5 mA for V _{BAT} = 1.2 V

Standards

Radiocom	EN 300 440 FCC part 15.249
EMC	EN 60601-1-2, EN 301 489 FCC part 15b

Compatibility

CI sound processors	Cochlear Nucleus 5 (CP810), Build C or higher Cochlear Nucleus 6 (CP910)
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Housing colors



Black (L9)



Charcoal (M2)



Smoke (T2)



White (L8)



Brown (L0)



Mocha (T1)



Beige (M1)