

# Roger 14

(02)

Technical Data

**roger**



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

Simply connect Roger 14 with a Roger wireless microphone to bring industry-leading speech-in-noise performance to anyone who uses a Cochlear Nucleus 5 or 6.

## Roger 14 features

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

## What is Roger

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

## General data

Type:	Design-integrated Roger CI receiver Operates with all Roger microphones
Length:	17.2 mm / 0.677 inch
Width:	8.3 mm / 0.327 inch
Height:	12.2 mm / 0.480 inch
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 and relative humidity < 95% (non condensing)
Transport and storage conditions:	-20° to +60° Celsius / -4° to +140° Fahrenheit and relative humidity of 90% for a long period of time



## 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 <sub>BAT</sub> = 1.2 V Sleep mode 0.5 mA for V <sub>BAT</sub> = 1.2 V

## Standards

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

## Compatibility

Cochlear CI sound processor:	Nucleus 5 (CP810) Build C or higher Nucleus 6 (CP910)
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## Housing colors



Black (L9)



Charcoal (M2)



Smoke (T2)



White (L8)



Brown (L0)



Mocha (T1)



Beige (M1)

\*Valid for receivers with serial number higher than 1414NYEE3. Receivers with lower serial number drain 3.2 mA mode in active and 560 uA in sleep mode.