

# Phonak

## Roger™ 17

(02)



Roger 17 is a design-integrated Roger receiver that is designed for use with the Advanced Bionics Naída CI sound processor.

### Technical Data

Type	Design-integrated Roger CI receiver Operates with all Roger microphones
Dimensions (L x W x H)	18.7 x 9 x 10.6 mm (0.736 x 0.354 x 0.417")
Weight	0.94 g (0.032 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	-54 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
Water resistant	IP54 <sup>1</sup>

### Compatibility

CI sound processors	Advanced Bionics Naida CI Q90/Q70/Q30
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### Housing colors



Sand Beige (P1)



Chestnut (P4)



Silver Gray (P6)



Velvet Black (P8)



Ruby (P9)



Petrol (Q1)



Alpine White (XN)



Princess Pink (XP)



Caribbean Pirate (Q3)

<sup>1</sup> IP54 indicates that splashing water from any direction for 5 min had no harmful effect on the CI sound processor and attached Roger receiver.