

Phonak

Roger™ 17

(03)



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 Roger Select, Roger Table Mic II, Roger Pen, Roger EasyPen, Roger Clip-On Mic.
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

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)
Adaptive audio gain	Up to 20 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
Water resistant	IP54 ¹

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)

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