



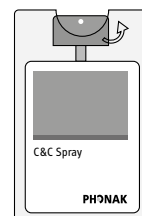
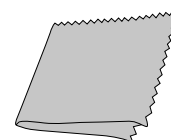
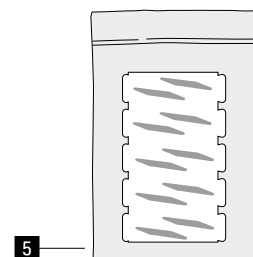
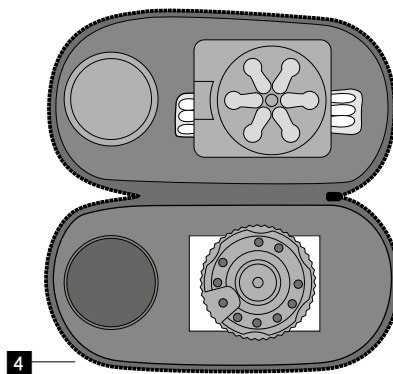
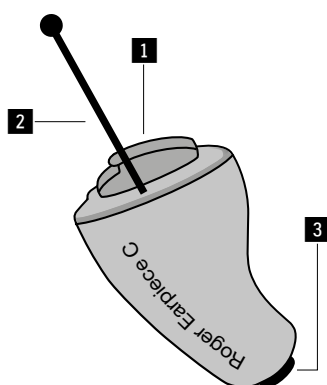
Technical Data

Roger™ Earpiece C

The ultra-small, encrypted Roger Earpiece C communication device is ideal for people working in environments where secrecy is key. The wireless in-ear receiver hides comfortably in the ear, is basically invisible from the outside and delivers unmatched sound quality and intelligibility, in situations when every syllable of information transferred is key.

Description

- 1 Battery compartment
- 2 Removal handle
- 3 Wax guard
- 4 Transport pouch with expendable items
- 5 Soft Wraps
- 6 Cleaning tools



Features

Usability

- Micro size Earpiece: 18 mm length
- Ear specific form factor
- Light weight: 1.3 g (incl. battery)
- Max output level: 100 dB SPL
- Unlimited number of Earpieces can be connected in one network
- Battery Life: > 12 h (size 10 battery)
- AES 128-bits encrypted
- License free 2.4 GHz transmission
- Bandwidth: 100–7200 Hz
- Out-of-range beep
- Easy handling and cleaning

General information

Length:	18 mm (0.4")
Weight:	1.3 g (0.04 oz) incl. battery
Colors:	Beige / brown
Operating conditions:	0° to + 45° Celsius (+32° to +113° Fahrenheit) and relative humidity of <95% (non condensing)
Transport and storage conditions:	-20° to +60° Celsius (-4° to +140° Fahrenheit) and relative humidity of 90% for a long period

Power and battery information

Power supply:	Mercury free 10 Zinc Air
Current drain:	2.75 mA (Streaming) 0.7 mA (Sleep mode)
Operating time:	>12 h in full streaming

Audio information

Audio bandwidth:	100 Hz - 7200 Hz
Output max SPL:	100 dB SPL according to EU standard EN 50332 Part 1&2 Fulfils EU directive 2003/10/EC
SNR:	55 dB (@ 1 kHz)
THD:	-42 dB (< 0.8 % @ 1 kHz)

Roger technology

Roger	Roger is a new wireless transmission technology, which allows low delay and reliable audio broadcasts to miniature, low-power receivers. Sophisticated adaptive algorithms at different levels in the Roger architecture give a performance level which was considered almost impossible. Roger systems are based on Phonak's proprietary technology and ensure unmatched discretion, unrivalled intelligibility and unbeatable ease of use.
AES encryption	The transmission is secured with an AES 128 bit encryption where the code is exchanged at the time of (the manual) synchronization. The robust Advanced Encryption Standard (AES) is the algorithm trusted as the standard by the U.S. Government and numerous organizations.
Transmission technology:	2.4 GHz adaptive frequency hopping

Transmission information

Antenna:	Built-in antenna
Back-link power:	< 1 mW (0 dBm)

Standards applied

Encryption:	AES 128-bits
Electrical safety:	IEC/ EN 60950-1
Radiocom 2.4 GHz:	EN 300 440
EMC:	EN 301.489-1,-17
FCC:	Part 15C
IC:	RSS-210

Compatibility with Roger devices

Compatible Roger transmitters:	Roger Covert C, Roger Covert Dual C, Roger CarKit C
Number of Roger receivers in use in a Roger network:	Unlimited

