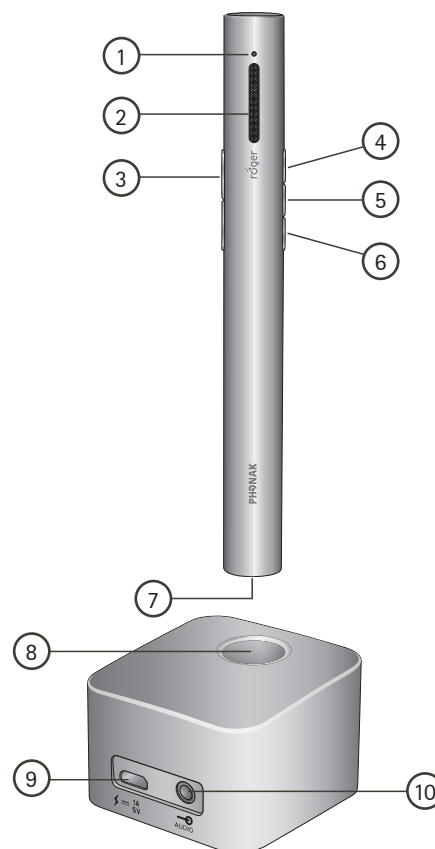# Phonak
Roger Pen™ iN

roger

Roger Pen iN is a handy microphone for various listening situations. Thanks to its portable design, it can be conveniently used where additional support is needed over distance and in noise. It can also transmit the sound of multimedia devices e.g. T.V.

Technical Data

Type	Roger microphone
Dimensions (L x Ø)	142 x 15 mm (5.6 x 0.6 ")
Weight	28 g (1 oz)
Operating conditions	0° to +40° Celsius (+32° to +104° Fahrenheit). Relative humidity of <95% (non-condensing)
Transport and storage conditions	–20° to +60° Celsius (-4° to +140° Fahrenheit). Relative humidity of <90% for a long period of time
Battery	Type: Lithium Polymer Capacity: 360 mAh Voltage: 3.7 V
Operating time	8 hours
Power supply	Voltage input: 100–240 V Voltage output: 5 VDC / 1A Connector: micro-USB Cable length: 1.3 m (4.2 feet)

Device description

1	Indicator light (LED)
2	Microphone
3	Install button (for HCP only)
4	On / off / mute
5	Connect
6	Microphone mode change
7	Charging and audio input (micro-USB)
8	Slot for Roger Pen iN
9	Charging input (micro-USB)
10	Audio input (3.5 mm / 1/8 inch jack)

CE

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Features

- Proven Roger speech-in-noise performance
- Fully automatic microphone mode selection
- Manual microphone mode option
- Advanced microphone beamforming
- "Zoom into" soft voices in quiet and over distance
- Audio input for connection to multimedia devices
- Multiple microphone use in a network

Roger installation

Roger Pen iN contains two Roger receivers that can be installed into a pair (two) of hearing devices with RogerDirect™.

Microphone characteristics

Microphone	Array microphone
Microphone modes	Automatic, Interview, Conference, Handheld

Roger characteristics

Transmission technology	2.4 GHz including adaptive automatic frequency hopping
Power emission	32 mW
Transmission range (clear line of sight, free field)	Up to 50 meters / 165 feet (to hearing device with RogerDirect) Up to 25 meters / 80 feet (to Roger receiver)

Roger system data (Connect)

Frequency (Roger microphone to Roger receiver)	2.4 GHz
Connect operating range	10 cm / 3.9 inches

Roger network

Compatible Roger receivers	All personal Roger receivers
Number of Roger receivers	Unlimited
Compatible Roger microphones	Roger Select, Roger Select iN, Roger Table Mic II, Roger Table Mic II iN, Roger Pen, Roger Pen iN, Roger EasyPen and Roger Clip-On Mic
Number of Roger microphones	Up to 10

Audio characteristics

Audio bandwidth	100 Hz – 7.3 kHz
El. Safety	IEC / EN 60950-1
Radiocom 2.4 GHz	EN 300 328
EMC	EN 301.489-1,-3,-9,-17

Accessories

Docking station	Charging input (micro-USB) and audio input (3.5 mm / 1/8 inch jack)
Lanyard	Length 56 cm (22 inches)