PHONAK
life is on

A Sonova brand

Roger On Sphere™ Technical data.

Roger On Sphere is the world's first AI-powered remote microphone that uses always-on Sphere™ technology to separate speech from noise in real time. It combines Roger™ technology with Phonak's dedicated AI chip to deliver unprecedented sound performance in noise and over distance.

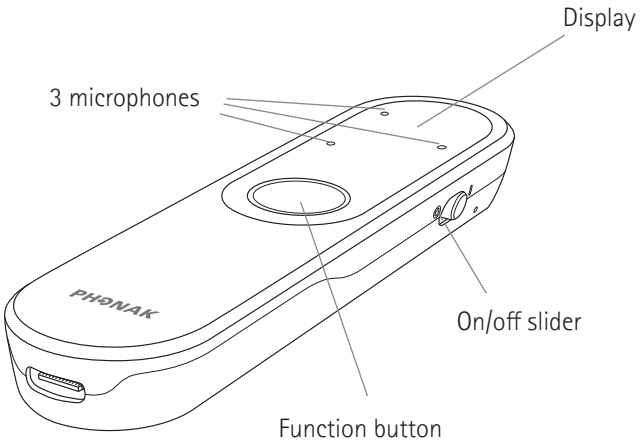
The redesigned microphone features a premium glass screen, three microphone inlets and a replaceable battery. Personalization and remote control are easy thanks to myRogerMic app. Roger On Sphere is compatible with all hearing devices with RogerDirect™ and all Roger receivers.

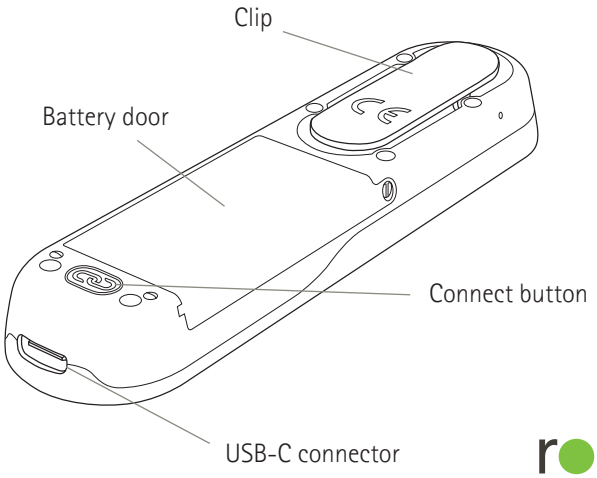
Technical data

Type	Roger microphone
Dimensions (L x W x H)	112 x 28.4 x 14.3 mm (4.4 x 1.12 x 0.56")
Weight	41 g (1.45 oz)
Color options	Graphite Grey, Velvet Black
Included accessories	Power supply, USB cable, docking station, optical audio cable, analog audio cable, lanyard, rubber sleeve
Operating conditions	0° to +45° Celsius (+32° to +113° Fahrenheit) Relative humidity of <90% (non-condensing)
Transport and storage conditions	- Up to 1 week exposure: -20°C to +60°C (-4°F to +140°F) - Up to 3 months exposure: -20°C to +45°C (-4°F to +113°F) - Up to 12 months exposure: -20°C to +25°C (-4°F to +77°F) Relative humidity: < 90% , non-condensing



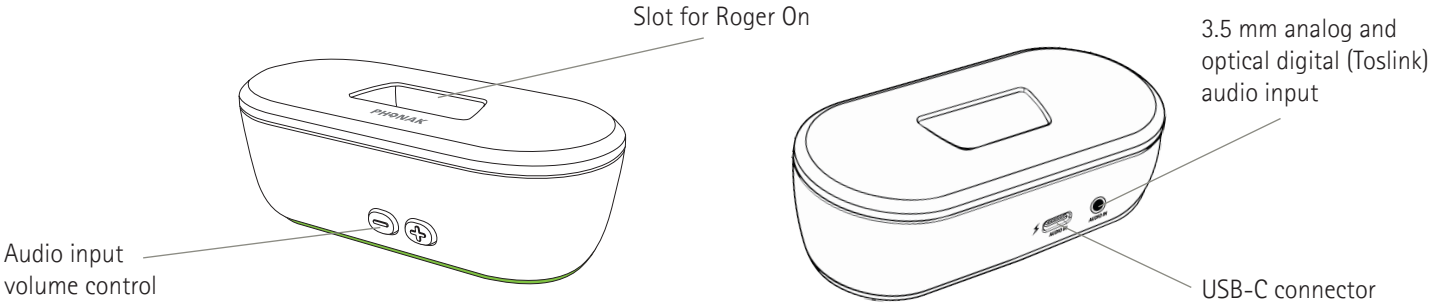
Device description





roger

Docking station description



Use cases

On the table



Restaurant



Meeting

Hold in the hand (pointing)

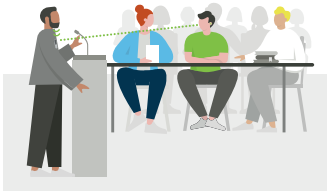


Party



Face-to-face

Worn by a presenter / talker



Presentation / lecture

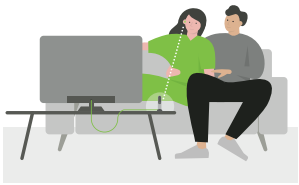


Class

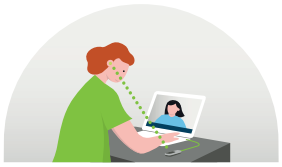


Car

Streaming audio



Watching TV / streaming audio



Online calls

Features

- RogerSense OS
- Always-on Sphere technology
- Natural voice processing
- Adaptive behavior
- Multibeam technology
- MultiTalker Network
- Own voice comfort
- Table, presenter, pointing and wide pointing microphone modes
- Multimedia mode
- Headset mode
- Stereo when used with hearing devices with RogerDirect
- Unlimited Roger receivers

myRogerMic app

GET IT ON Google Play

Download on the App Store

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Microphone characteristics

Number of microphones	3
Microphone modes	Table, Pointing, Presenter

Radio information

Streaming technology	Roger technology
Frequency range	2.4 GHz ISM band including adaptive automatic frequency hopping
RF power	100 mW max.
Transmission range (clear line of sight, free field)	Up to 25 meters / 80 feet

Audio information

Audio input	Digital and analog via USB-C socket
Two-way audio	Digital via USB-C socket
Audio input docking station	- Digital optical (Toslink) - Analog via 3.5 mm socket - Digital via USB-C socket
Supported digital optical formats	- Stereo (PCM) - Dolby Digital
Max. analog voltage	1 Vrms
Audio bandwidth	100 Hz – 7.3 kHz

Power supply

Type	DC, stabilized
Primary voltage	100-240 V
Secondary voltage	5 VDC
Max. current	1.0 A
Plug	USB-C
Important notice	Only use the original USB Phonak power supply 5VDC > 500 mA

Battery

Type	Lithium-ion
Rated capacity	300 mAh
Voltage	3.7 V
Operating time	8h when using hearing device with RogerDirect 6h when using Roger receiver

Receiver compatibility

Compatible Roger receivers	All personal Roger receivers, except SoundField
Max. connected receivers	Unlimited

Microphone compatibility (MultiTalker Network)

Compatible Roger microphones	Roger On Sphere™ Roger On all versions Roger Select all versions Roger Table Mic all versions
Max. connected microphones	Up to 10

Standards

Europe	EN 300 328, EN 301 489, EN 62368-1, EN 50566
Canada	RSS-247, RSS-102
Japan	ARIB-T66
USA	CFR 47, part 15.247, FCC OET Bulletin No.65

Ingress protection

IP54	Protected against water splashes and dust

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