

Roger Focus

Technical Data



Roger Focus is a discreet and highly comfortable behind-the-ear Roger receiver. It features a SlimTube, a volume control, and uses a 312 battery. Together with any Roger microphone, it offers normal hearing children the ability to clearly hear and focus on all relevant speech information required for his or her development and learning.

Simply connect Roger Focus with a Roger wireless microphone to cut through distracting background noise, and bring the speaker's words directly into a listener's ears.

Roger Focus features

- Highly discreet
- Extremely light
- One-click microphone connection
- Volume control
- Volume button lock
- Water, sweat & dust resistant (IP57)
- 17 color options
- Customizable with 4 SlimTubes and 3 domes

What is Roger?

Roger is the new digital standard that bridges the understanding gap, in noise and over distance, by wirelessly transmitting the speaker's voice directly to the listener.

General data

Type:	Behind-the-ear receiver operates with Roger microphones
Color:	See color table
Length:	28.5 mm / 1.12 inches
Width:	7.4 mm / 0.29 inch
Height:	8.5 mm / 0.33 inch
Weight:	1.5 g without battery
Operating conditions:	0° to +40° Celsius / +32° to +104° Fahrenheit and relative humidity < 95 % (non condensing)
Transport and storage conditions:	20° to +60° Celsius / -4° to +140° Fahrenheit and relative humidity of 90% for a long period of time



Roger characteristics

Frequency:	2.4 GHz including adaptive automatic frequency hopping
Transmission delay:	< 20ms
Antenna:	Built-in antenna
Backlink RF power:	< 0.02 mW

Acoustic couplings

SlimTube HE:	Available in left, right and 4 different lengths (0, 1, 2, 3)
Open domes:	Available in 3 sizes (S, M, L)

WaterResistant

Resistant to dust and water:	IP57
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Power management

Power supply:	Supplied by the battery of the device
Voltage range:	1.0 to 1.5 V
Current drain:	Active mode < 2.9 mA for $V_{BAT} = 1.2V$ Sleep mode < 500 μA for $V_{BAT} = 1.2V$

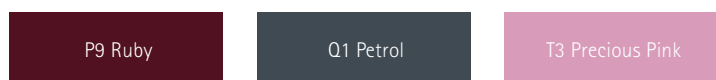
Signature colors



Hair & Skin



Fashion



Audio characteristics

Frequency range:	100 Hz – 7.2 kHz
Distortion:	< 2% for $f_{mod} = 1$ kHz
Audio signal output (out of the box):	68 dBA free field equivalent (transmitter in compression, $f_{mod} = 1$ kHz, surrounding noise level < 58 dB SPL)
Volume range:	-8 dB to +8 dB
Additional adaptive audio volume:	Up to 20 dB
Volume button:	Lock / unlock feature available

Microphones

Wireless microphone types to be used with Roger Focus (one click microphone connection):

Roger microphone



Roger inspiro



Roger Pen



Roger Clip-On Mic

Standards

Radiocom:	EN 300 440 FCC part 15.249
EMC:	EN 301489