

Roger™ 21

(02)

Technical Data

roger

Roger 21 is a Roger receiver that is compatible with the MED-EL Sonnet audio processor.

Simply attach the Roger 21 receiver to the Sonnet audio processor. When the speaker uses a Roger wireless microphone, Sonnet recipients benefit from industry-leading speech-in-noise performance.

Roger 21 features

- Adaptive gain
- Effective stand-by mode
- EasyGain adjustment
- Check to read/manage device data via Roger Touchscreen Mic or Roger inspiro
- Link quality measurement

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:	Roger receiver Operates with all Roger microphones
Length:	17.3 mm / 0.68 inch
Width:	8.8 mm / 0.346 inch
Height:	48.9 mm / 1.93 inch
Weight:	2.4 g / 0.085 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 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



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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 $f_{mod} = 1$ kHz
Audio signal output:	-46 dBV (transmitter in compression, $f_{mod} = 1$ kHz, surrounding noise level < 58 dB SPL) at EasyGain = 0 dB
Adaptive audio gain:	Up to 20 dB
EasyGain range:	-8 dB to +8 dB

Power management

Power supply:	Supplied by the audio 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
IP rating:	IP52

Compatibility

Audio processor:	MED-EL Sonnet
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Housing colors



Anthracite (V1)



Beige (V2)



Black (V3)



Ebony (V4)



Nordic Grey (V5)



White (V6)