

Roger X is a miniature universal Roger receiver that is compatible with virtually every hearing instrument and cochlear implant speech processor on the market. Simply connect Roger X with a Roger wireless microphone to provide clear access to a speakers voice in noise and over distance.

Features



- Compatible with any hearing aid, cochlear implant speech processor, BAHA (bone anchored hearing aid) featuring a Direct Audio Input (DAI) adaptor
- Able to install* Roger receiver directly into Phonak hearing aid with RogerDirect via the Roger Installer
- Device data available via Roger compatible microphone with Check function
- Customizable gain via Roger compatible microphone and EasyGain adjustment
- Effective battery management with stand-by mode

*only available for Roger X featuring a serial number higher than 1744XXXX

General information

Dimension (L x W x H) :	9 x 9 x 9.65 mm (0.35" x 0.35" x 0.38")
Weight:	0.97 g (0.002 lbs)
Color:	Champagne
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



Roger X characteristics

Antenna :	Built-in antenna
Backlink RF power:	0.02 mW
Connector:	3-pin euro plug

Usage information

Audio shoe:	Roger X can be attached to a Direct Audio Input (DAI) adapter
Compatible Phonak Hearing Aids :	A Roger X can be used to install Roger receiver into a Phonak hearing aid with RogerDirect

Audio information

Audio bandwidth:	100 Hz - 7.3 kHz
Adaptive audio gain:	Up to 20dB
EasyGain range:	-8 dB to + 8dB
Audio signal output:	-54 dBV (transmitter in compression, fmod = 1 kHz, surrounding noise level < 58 dB SPL) @ EasyGain = 0dB
Distortion:	< 2 % for fmod = 1 kHz

Roger information

Roger:	Roger is the digital standard that bridges the understanding gap, in noise and over distance, by wirelessly transmitting the speaker's voice directly to the listener
Transmission technology:	2.4 GHz including adaptive frequency hopping

Power information

Power supply:	Supplied by the HI battery
Voltage range:	1.0 to 1.5 V
Current drain:	Active mode 2.7 mA for $V_{BAT} = 1.2 V$ Sleep mode 0.5 mA for $V_{BAT} = 1.2 V$

Standards applied

Radiocom 2.4 GHz:	EN 300 328
EMC:	EN 301.489-1,-3,-9,-17



PHONAK