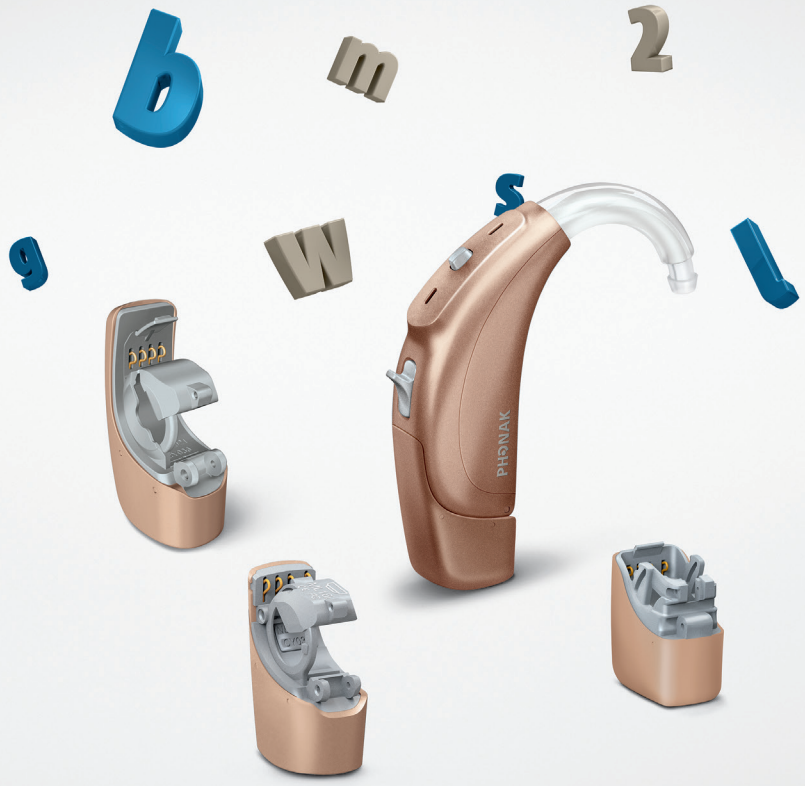
Roger™ design-integrated receivers

Adults (03)

Product information and technical data



roger

Roger design-integrated receivers bring industry-leading speech-in-noise performance to Phonak hearing instrument users who have a moderately-severe to profound hearing loss. These discrete devices slightly extend the sleek contours of a Phonak hearing instrument. Simply use this guide to choose the correct Roger receiver for the Phonak hearing instrument in question.

For more information visit **www.phonakpro-us.com**

PHONAK
life is on

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.

Key features

Additional adaptive gain

Roger receivers automatically adjust the output gain according to the surrounding noise level to maintain intelligibility in noisy environments. The noise level is measured by the Roger microphone and sent to the Roger receiver along with the audio signal.

Effective stand-by mode

Roger receivers automatically enter stand-by mode if the connected microphone is turned off or moves out of range. In stand-by mode power usage is reduced to increase the battery's life.

Phonak hearing instrument compatibility

Roger™ 19

- Phonak Naída™ V-UP
- Phonak Sky™ V-UP

Roger™ 18

- Phonak Audéo™ V-13
- Phonak Bolero™ V-P
- Phonak Bolero™ V-SP
- Phonak Naída™ V-RIC
- Phonak Naída™ V-SP
- Phonak Sky™ V-RIC
- Phonak Sky™ V-P
- Phonak Sky™ V-SP

Roger™ 16

- Phonak Bolero™ Q-P
- Phonak Bolero™ Q-SP

Roger™ 15

- Phonak Sky™ Q-RIC
- Phonak Sky™ Q-M13
- Phonak Naída™ Q-RIC
- Phonak Naída™ S CRT
- Phonak Bolero™ Q-M13
- Phonak Ambra M H20
- Phonak Solana M H20
- Phonak Dalia M H20
- Phonak Cassia M H20
- Phonak Nios S H20

Roger™ 13

- Phonak Ambra microP
- Phonak Ambra SP
- Phonak Solana microP
- Phonak Solana SP
- Phonak Cassia microP
- Phonak Cassia SP
- Phonak Dalia microP
- Phonak Dalia SP

Roger™ 11

- Phonak Sky™ Q-SP
- Phonak Naída™ Q-SP
- Phonak Naída™ S SP
- Phonak Naída™ SP

Roger™ 10

- Phonak Sky™ Q-UP
- Phonak Naída™ Q-UP
- Phonak Naída™ S UP
- Phonak Naída™ UP

Note: to check the compatibility of new Phonak hearing instruments visit www.phonakpro-us.com

Housing colors

		Roger™ 19	Roger™ 18	Roger™ 16	Roger™ 15	Roger™ 13	Roger™ 11	Roger™ 10
P1	Sand Beige	•	•	•	•		•	•
P2	Amber Beige	•	•	•	•		•	•
P3	Sandalwood	•	•	•	•		•	•
P4	Chestnut	•	•	•	•		•	•
P5	Champagne	•	•	•	•		•	•
P6	Silver Gray	•	•	•	•		•	•
P7	Graphite Gray	•	•	•	•		•	•
P8	Velvet Black	•	•	•	•		•	•
P9	Ruby	•	•	•	•		•	•
Q1	Petrol	•	•	•	•		•	•
01	Beige	•	•	•	•	•	•	•
03	Dark Brown						•	•
04	Light Gray						•	•
06	Black				•	•	•	•
23	Gray						•	•
33	Light Pink				•	•	•	•
34	Light Blue				•	•	•	•
35	Taupe				•		•	•
50	Chestnut Brown						•	•
F3	Sterling				•			
F7	Mocha Taupe					•		
E5	Chocolate				•	•		
E6	Cliff				•			
E8	Mid Gray				•			
E9	Glacier				•	•		
F0	Dark Cliff Gray					•		
70	Palladium Black					•		
G1	Mid Cloud Gray					•		
G3	Ocean Blue					•		
G4	Olive Green					•		
G5	Chili Red					•		
Q2	Electric Green	•	•		•		•	•
Q3	Caribbean Pirate	•	•		•		•	•
Q4	Dragon Orange				•		•	•
Q5	Vanity Pink				•		•	•
Q6	Blue Lagoon Transparent				•		•	•
Q7	Royal Purple Transparent				•		•	•
13	Pure Transparent			•	•		•	•
T3	Precious Pink	•	•		•		•	•
XN/T7	Alpine White	•	•					
37	Blue Transparent			•	•		•	•
38	Purple Transparent			•	•		•	•
M6	Lava Red	•	•					
M7	Blue Ocean	•	•					
M8	Majesty Purple	•	•					

General data

Type:	Roger receiver Operates with Roger™ Pen, Roger™ EasyPen, Roger™ Clip-On Mic and Roger™ Table Mic
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°C to +60°Celsius / +32°F to +140° Fahrenheit and relative humidity < 95 % (non condensing)
Transport and storage conditions:	-20°C to +60°Celsius / -4°F to +140°Fahrenheit and relative humidity of 90 % for a long period of time

Roger characteristics

Frequency:	2.4 GHz ISM Band
Transmission delay:	< 20 ms
Antenna:	Built-in ear level antenna
Backlink RF power:	0.02 mW

Power management

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 Stand-by: 0.5 mA for V_{BAT} = 1.2 V

Audio characteristics

Audio bandwidth:	100 Hz – 7.2 kHz
Distortion:	< 2 % for fmod = 1 kHz
Audio signal output:	–54 dBV (transmitter in compression, fmod = 1 kHz, Surrounding noise level < 58 dB SPL)
Additional adaptive audio gain:	Up to 20 dB

Standards

Radiocom:	EN 300 440 FCC part 15.249
EMC:	EN 60601-1-2, EN 301 489 FCC part 15b
Water Resistant:	IP67[1] for Roger™ 19, Roger™ 18, Roger™ 15, Roger™ 11 and Roger™ 10

Size and Weight







	Roger™ 19	Roger™ 18	Roger™ 16	Roger™ 15	Roger™ 13	Roger™ 11	Roger™ 10
Height (connected to HI):	8.5 mm / 0.335 inch	8.1 mm / 0.319 inch	8.4 mm / 0.330 inch	8.5 mm / 0.335 inch	11 mm / 0.433 inch	8 mm / 0.315 inch	20 mm / 0.787 inch
Length:	14 mm / 0.551 inch	12.4 mm / 0.488 inch	11.8 mm / 0.465 inch	12.4 mm / 0.488 inch	11 mm / 0.433 inch	12 mm / 0.472 inch	15 mm / 0.591 inch
Width:	7.5 mm / 0.295 inch	7.6 mm / 0.299 inch	7.2 mm / 0.283 inch	8 mm / 0.315 inch	9 mm / 0.354 inch	9 mm / 0.354 inch	9 mm / 0.354 inch
Weight:	0.9 g / 0.0022 lb	0.9 g / 0.0022 lb	0.9 g / 0.0022 lb	0.9 g / 0.0022 lb	1.1 g / 0.0022 lb	1.0 g / 0.0022 lb	1.1 g / 0.0022 lb

1 IP67 indicates that when connected to a compatible hearing instrument the Roger receiver was not damaged beyond repair after 8 hours in a dust chamber, nor after being immersed in 1 meter (3 feet) of water for 30 minutes as defined by IEC60529.

* Valid for receivers with serial number higher than 1419NYDNR. Receivers with lower serial number drain 3.3 mA mode in active and 700 uA in sleep mode.

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