

The Roger Repeater expands the range of Phonak's Roger receivers. The Roger communication system, renowned for being virtually invisible and delivering unrivalled sound quality with plug-and-play setup, now also offers an unlimited range thanks to the Roger Repeater.

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## Roger Communication System

### Primary Transmitter



### Secondary Transmitter

### Roger NeckLoop

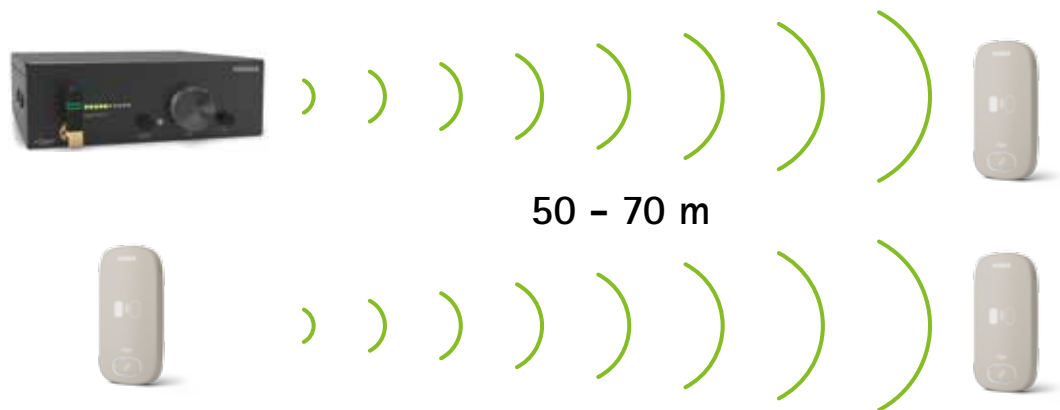
Roger technology uses the latest digital standards and operates on the license-free 2.4 GHz band. The system features a transmitter, an advanced wireless microphone, and the comfortable yet virtually invisible Roger Earpiece, which includes an integrated receiver. The Roger communication system is ideal for people working in broadcasting and show business, who rely on seamless communication with directors, producers, and sound technicians. The system is utterly discreet, easy to use and install, and offers unrivalled intelligibility.

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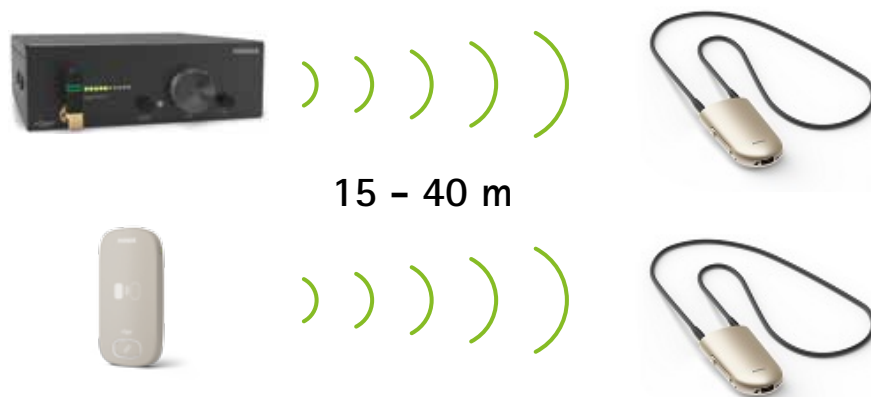
## Roger Communication System

The range between a repeater and a transmitter or between two repeaters is greater than toward an earpiece. This must be understood by the fact that the built-in antenna of the Roger Earpiece provide a lower sensitivity than the repeater's antenna.

### Transmitter to transmitter range



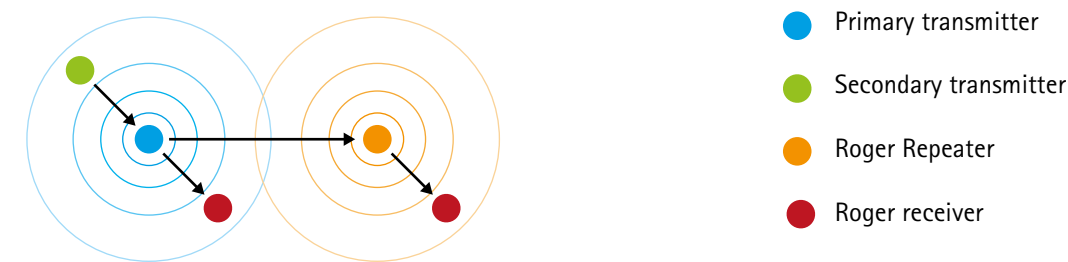
### Transmitter to receiver range



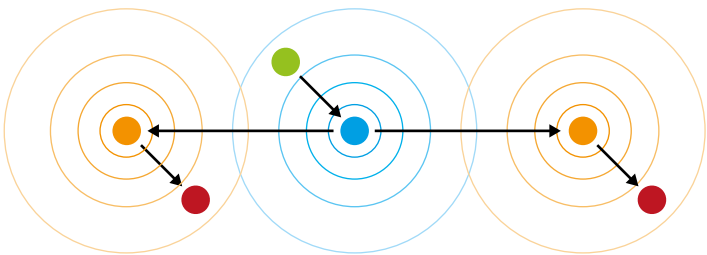
Setup example

Please note that in the diagrams below, while the range of transmitters or repeaters is represented with a perfect circle, the real radiation pattern of Roger devices varies according to orientation. Refer to the dedicated section of this document to know more about the radiation pattern of the repeater.

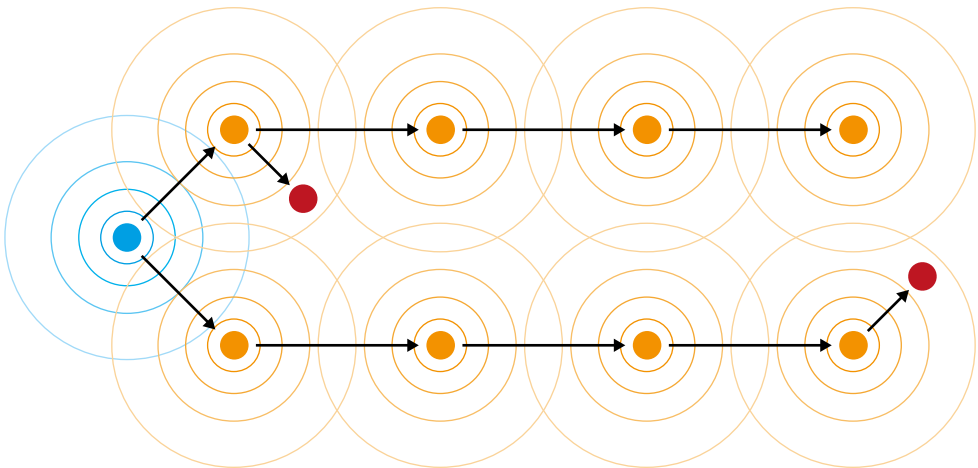
Central stage coverage



Two stages coverage



Full stage coverage



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## Performance

Unnoticeable handover	The Roger receiver can move freely within the entire covered area with virtually unnoticeable handover between repeaters.
Automatic start-up	Thanks to the embedded start-up mechanism, Roger devices will automatically configure the optimal network architecture.
Automatic reconnection	if a repeater loses its connection to a transmitter, it will automatically search for it, or for another available repeater, and connect to it.
Power supply	The Roger Repeater features an integrated rechargeable battery, and can operate for a working day without recharging. It can be powered or recharged through a standard micro-USB connection.

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## Repeater radiation pattern

Please be aware of the radiation pattern of the repeater's wireless signal, and adapt its position to your room and the area you would like to cover.



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## Mounting bracket

A mounting support is provided with the Roger Repeater, which can be fixed to the wall. In addition it offers a standard 1/4-20 tripod mount.