The Roger Repeater expands the range of Phonak’s Roger Earpiece. 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.

### Technical Data

**Roger™ Repeater**

**Description**

1. On/Off button
2. Indicator light
3. Connect button
4. Micro-USB
5. Feet

**Mounting bracket:**

1. Tripod mount (¼-20)
2. Retention clip
3. USB cable retention

**Features**

**Usability**
- Unlimited range extension
- Integrated rechargeable battery
- Operates standalone or permanently powered
- Indicator lights
- Fixing bracket and power supply included (EU or US)

**MultiTalker Network**
- Compatible with Roger BaseStation and Roger Touchscreen Mic

**Connectivity**
- Connect button
- Micro-USB socket

**Fixing bracket**
- Easy wall mounting
- ¼-20 tripod mount
- Easy snap-in/out
- Power supply cable retention
**General information**

- **Dimensions (L x W x H)**: 104 x 55 x 16 mm (4.1" x 2.1" x 0.6")
- **Weight**: 120 g (0.3 lbs)
- **Color**: Champagne
- **Operating conditions**: 0° to + 45° Celsius (+32° to +113° Fahrenheit) and relative humidity of <95% (non condensing)
- **Transport and storage**: -20° to +60° Celsius (-4° to +140° Fahrenheit) and relative humidity of 90% for a long period

**Roger information**

- **Roger**: 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.

  - **Transmission technology**: 2.4 GHz adaptive frequency hopping
  - **Power emission**: 100 mW
  - **Operating range**:
    - to Roger Earpiece: 15-40m (49-131ft) depending on environment
    - to Roger Transmitters or Repeaters: 50-70m (164-230ft) depending on environment
    - for 10 cm (4") Connect feature: 10 cm (4")

**Power and battery information**

- **Battery**: Lithium polymer 3.7 V DC
- **Charging time**: Approx. 2 hours
- **Capacity**: 1200 mAh
- **Charging input**: Input: 100 - 240 V
- **Output**: 5 VDC/1A
- **Connector**: Micro-USB
- **Cable length**: 1.3 m (4.2 feet) (charging or connection to computer for upgrade, service)

  - It is not possible to over-charge the battery. It may become warm during charging.
  - **Important notice**: It is recommended to only use the original Phonak charging unit.

**Audio information**

- **Audio bandwidth**: 100 Hz - 7200 Hz
- **Latency introduced per repeater**: 2ms

**Compatibility with Roger devices**

- **Compatible Roger receivers**: Roger Earpiece, Roger MyLink
- **Number of Roger receivers in use in a Roger network**: Unlimited
- **Compatible Roger transmitters**: Roger BaseStation, Roger Touchscreen Mic
- **Number of Roger transmitters in use in a Roger network**: Up to 35 Roger Touchscreen Mics and 1 Roger BaseStation per network

  - Secondary transmitters have to be in range of primary transmitter to be repeated.

**Optional accessories**

- **Power supply adapter**: UK, AUS

**Standards applied**

- **Electrical safety**: IEC/ EN 60950-1
- **Radiocom 2.4 GHz**: EN 300 328
- **EMC**: EN 301.489-1,-3,-9,-17
- **SAR (2.4 GHz)**: EN 62209-2
  - SAR 1g = 0.10 W/kg
  - SAR 10g = 0.05 W/kg

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