

# Roger™ Touchscreen Mic 3

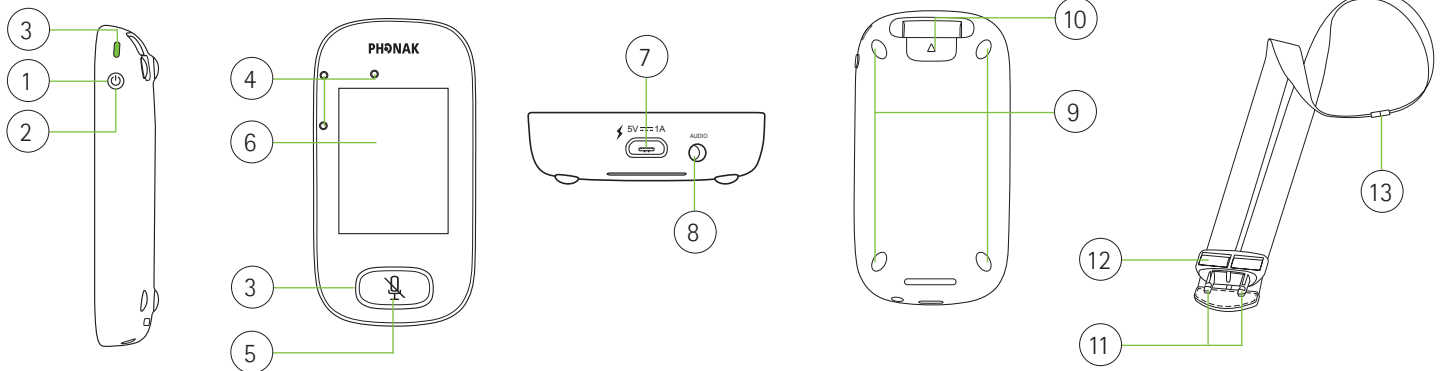
## Technical data.



Roger Touchscreen Mic is an intuitive microphone that wirelessly transmits teachers' and classmates' voices directly to children's hearing aids or cochlear implants. It facilitates full classroom interaction by allowing multiple microphones and media devices to be connected.

### Technical data

|                                  |  |
|----------------------------------|--|
| Type                             | Roger microphone   |
| Dimensions (L x W x H)           | 104 x 55 x 16 mm (4.1" x 2.1" x 0.6")  |
| Weight                           | 94 g (0.2 lbs)   |
| Color options                    | Champagne/black  |
| Included accessories             | Power supply with USB cable, analog audio cable, recording cable, lanyard, pouch                     |
| Operating conditions             | 0° to + 45° Celsius (+32° to +113° Fahrenheit)<br>Relative humidity of <95% (non-condensing)         |
| Transport and storage conditions | -20° to +60° Celsius (-4° to +140° Fahrenheit)<br>Relative humidity of 90% for a long period of time |



### Device description

|   |                     |    |                            |
|---|---------------------|----|----------------------------|
| 1 | On/Off              | 8  | Jack 3.5mm/1/8             |
| 2 | Wake/Sleep          | 9  | Feet                       |
| 3 | Indicator light     | 10 | Lanyard clip/remove button |
| 4 | Microphones         | 11 | Lanyard clip               |
| 5 | Mute                | 12 | Length adjustment          |
| 6 | Touchscreen display | 13 | Safety breakaway           |
| 7 | Micro-USB           |    |                            |

## Features

- Easy swipe technology for effortless navigation of menu options and functions displayed on a large (6.1 cm/2.4") touchscreen.
- Intuitive indicator lights for easy monitoring and understanding of device status.
- Automatic microphones that intelligently switch from an individual talker to a small group interaction mode, depending on its placement.
- Continuous estimation of surrounding noise, automatically optimizing volume to ensure that speech remains loud and clear.
- Several Roger wireless microphones can be used together (MultiTalker Network), providing children access to multiple talkers.

## Microphone characteristics

|                       |  |
|-----------------------|--|
| Number of microphones | 3  |
| Microphone modes      | Automatic, Small group, Pointing, Lanyard  |
| Accelerometer         | Detects and monitors the microphone position, allowing to automatically activate the appropriate microphone mode |

## Radio information

|  |  |
|--|--|
| Streaming technology                                 | Roger technology   |
| Frequency range                                      | 2.4 GHz ISM band including adaptive automatic frequency hopping  |
| RF power   | 100 mW   |
| Transmission range (clear line of sight, free field) | Up to 120 meters / 393 feet (to hearing device with RogerDirect™)<br>Up to 25 meters / 80 feet (to Roger receiver) |

## Audio information

|                 |                    |
|-----------------|--------------------|
| Audio input     | Wired (3.5mm jack) |
| Audio bandwidth | 100 Hz – 7.3 kHz   |

## Power supply and battery information

|                  |   |
|------------------|---|
| Battery          | Lithium Polymer 3.7 V DC  |
| Charging time    | Approx. 2 hours – Charging time depends on battery state  |
| Capacity         | 1200 mAh  |
| Operating time   | Approx. 10 hours – Remaining operating time is displayed in the status bar  |
| Charging input   | Input: 100 - 240 V<br>Output: 5 VDC/1A<br>Connector: Micro-USB<br><br>The battery cannot be over-charged. It may become warm during charging. |
| Important notice | Use the original Phonak charging unit only  |

## Compatibility to Roger devices

|   |  |
|---|--|
| Compatible Roger receivers              | (02) Roger receivers   |
| Max. connected receivers                | Unlimited  |
| Compatible Roger microphones            | Roger Touchscreen Mic<br>Roger Pass-around<br>Roger Inspiro*<br>Roger DynaMic*                             |
| Max. connected Roger microphones        | 35   |
| Compatible Roger hubs                   | Roger Multimedia Hub<br>Roger Inspiro AudioHub*  |
| Max. connected Roger hub                | 1  |
| Compatible Roger SoundField systems     | Roger DigiMaster 5000,<br>Roger DigiMaster 7000,<br>Roger DigiMaster X<br>(software version 4.x or higher) |
| Max. connected Roger SoundField systems | 1x Roger DigiMaster 5000<br>20x Roger DigiMaster 7000<br>5x Roger DigiMaster X                             |
| Compatible Roger WallPilot              | Roger WallPilot  |

\* Some new features for Roger Touchscreen Mic might not be available on previous Roger transmitters

## Optional accessories

|                           |  |
|---------------------------|--|
| Charging rack (L x W x H) | 188 x 75 x 28 mm<br>(7.4" x 2.9" x 1.1")<br>4-slot design to charge up to four devices. It accommodates Roger Touchscreen Mic, Roger Pass-around, and Roger Multimedia Hub |
| Other                     | Carrying case, protection covers (black/green) and head-worn boom microphone with belt clip  |
| Power supply adapter      | UK, AUS  |

## Standards

|                   |                       |
|-------------------|-----------------------|
| Electrical safety | IEC/ EN 62368-1       |
| Radiocom 2.4 GHz  | EN 300 328            |
| EMC               | EN 301.489-1,-3,-9,-1 |
| SAR (2.4 GHz)     | EN 62209-2            |