



## Technical Data

# Roger™ Touchscreen Mic

The interface makes Roger Touchscreen Mic simple and intuitive to use in the classroom and allows both the teacher and students to easily know the microphone is working and transmitting. Voice of the teacher or parent, especially in noisy conditions, is directly heard in the ears. Small group learning activities are accessible to all children.

## Description

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



## Features

### Usability

- Touchscreen
- Intuitive icons for quick access to Roger function
- Easy swipe technology to scroll through menu
- Indicator lights
- Obvious On/Off and Mute

### 3 microphones

- Automatic microphone modes (Automatic, Small Group, Pointing, Lanyard)
- System of three intelligent embedded microphones for small group activities.

### MultiTalker Network

- Co-teacher microphones
- Students pass-around microphones
- Roger Multimedia Hub

## General information

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:	Champagne/ black
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



## Power 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 Output: 5 VDC/1A Connector: Micro-USB Cable length: 1.3 m (4.2 feet) (charging or connection to computer for upgrade, service)
	The battery cannot be over-charged. It may become warm during charging.
	Important notice: It is recommended to only use the original Phonak charging unit.

## Microphones information

Number of microphones:	3 embedded microphones
Type:	3-array microphone
Mode:	Automatic, Small Group, Pointing, Lanyard
Accelerometer:	Detects and monitors the microphone position, allowing to automatically activate the appropriate microphone mode

## Usage information

Touchscreen:	6.1 cm (2.4") color touchscreen. User interface to activate/deactivate functions
Wearing option:	Lanyard worn around neck
Lanyard :	- Clip to easily clip or remove the device from the lanyard - Clip to adjust length and place the device 20cm (8 inches) away from the talker mouth - Safety breakaway

## Audio information

Audio input and output:	Wired (3.5mm jack)
Audio bandwidth:	100 Hz – 7.3 kHz

## Roger information

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.
Transmission technology :	2.4 GHz including adaptive automatic frequency hopping
Power emission :	100 mW
Operating range to Roger receiver:	20 m (66 feet)
Operating range for Connect feature:	10 cm (4")

## Compatibility to Roger devices

Compatible Roger receivers:	All Roger receivers
Number of Roger receivers in use in a Roger network:	Unlimited
Compatible Roger microphones:	Roger Touchscreen Mic, Roger Pass-around, Roger Inspiro*, Roger DynaMic* <small>* some new features for Roger Touchscreen Mic might not be available on previous Roger microphones</small>
Number of Roger microphones in use in a Roger network:	Up to 35
Compatible Roger hub:	Roger Multimedia Hub Roger Inspiro audioHub* <small>* some new features for Roger Touchscreen Mic might not be available with previous Roger Hub</small>
Number of Roger hub in use in a Roger network:	1x Roger Multimedia Hub
Compatible Roger SoundField:	Roger DigiMaster 5000, Roger DigiMaster 7000 , Roger DigiMaster X <small>(software version 4.x or higher)</small>
Number of Roger SoundField in use in a network:	1x Roger DigiMaster 5000 2x Roger DigiMaster 7000 5x Roger DigiMaster X
Compatible Roger WallPilot:	Roger WallPilot

## Accessories

Charging rack (L x W x H) :	188 x 75 x 28 mm (7.4" x 2.9" x 1.1") 4-slots design to charge up to 4 devices together. It accommodates Roger Touchscreen Mic, Roger Pass-around, Roger Multimedia Hub.
Carry-on case :	Designed for Roger Touchscreen Mic
Boom microphone:	Head worn boom microphone for Roger Touchscreen Mic.
Belt clip:	Belt clip for Roger Touchscreen Mic.
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