

Roger inspiro Guide-U

Datasheet

roger

Roger inspiro Guide-U is a wireless transmitter that together with Roger Guide-U receivers gives an audience high quality access to the voice of a speaker or tour guide.

Roger inspiro Guide-U can be used with a shirt-worn clip microphone (iLapel) or a head-worn microphone (EasyBoom). Roger inspiro Guide-U can also be used in a network together with other Roger transmitters. Ideally suited to speakers and tour guides, Roger inspiro Guide-U is the perfect choice for indoors and outdoors tours and presentations.

Roger inspiro Guide-U features

- Crystal-clear sound quality
- Operates with Roger Guide-U, Dynamic FM (analogue Guide-U) receivers and DigiMaster loudspeakers
- Easy and intuitive user interface
- Two application modes:
 - Roger
 - Roger + FM
- Two microphone options:
 - EasyBoom for best signal-to-noise ration, and maximum wearing comfort
 - iLapel for directional miniature microphone, and easy to clip
- MultiTalker Network (MTN) with 2 modes:
 - Tour guide (primary talker)
 - Conference (equal talker)
- Connect to set-up device network
- Customized softkey allocation

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.

Description

- ① On /off slider
- ② Color screen
- ③ Microphone mute
- ④ Softkeys
- ⑤ Menu navigation: Up /Down, Back, OK
- ⑥ 3.5 mm audio input
- ⑦ Mini-USB for charging
- ⑧ Microphone cable wrapper
- ⑨ Clip
- ⑩ Neckloop
- ⑪ iLapel microphone

Internet

www.phonak-communications.com
www.phonak.com



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General data

Type:	Roger and Dynamic FM transmitter. Operates with Roger Guide-U receivers, Roger Dynamic SoundField and Dynamic FM (analogue Guide-U) receivers. Operates with iLapel and EasyBoom microphone option
Dimensions (L x W x H):	83 x 56 x 24 mm / 3.26 x 2.20 x 0.94 inches
Weight:	69 g / 0.15 lb
Operating conditions:	Temperature should not exceed the limit values of 0° to +40° Celsius / +32° to +104° Fahrenheit and relative humidity of < 95% (non condensing)
Transport and storage conditions:	During transport or storage, the temperature should not exceed the limit values of -20° to +60° Celsius / -4° to +140° Fahrenheit and relative humidity of 90% for a long period
Battery:	Type: Lithium Polymer Capacity: 1000 mAh Voltage: 3.7 V Dimensions (L x W x H): 52 x 25.8 x 9.5 mm, 2 x 1 x 0.4 inches Charging time: 100% 2 hours, 80% 1 hour
Power supply:	Voltage input: 100 – 240V Voltage output: 5 VDC / 1 A Connector: Mini-USB Cable length: 1.5 m / 5 feet

Audio characteristics

Audio bandwidth:	100 Hz – 7.3 kHz
Microphone sensitivity:	97 dB SPL at fmod –1 kHz for fdev –4.0 KHz (100% modulation) 70 dB SPL at fmod –1 kHz for fdev –3.0 KHz

FM system data

Wireless link between FM devices (Synchronization/Monitoring)

FSK frequency (transmitter to receiver):	40.96 kHz
Operating range:	10 cm / 3.9 inches

Wireless datalink to FM receiver

Frequency range:	Above the audio band
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Roger characteristics

Transmission technology:	2.4 GHz including adaptive automatic frequency hopping
RF power:	100 mW
Operating range:	Up to 40 m / 130 feet depending on surroundings

Roger system data

Wireless link between Roger devices (Connect)

Frequency:	2.4 GHz
Operating range:	10 cm / 3.9 inches

MultiTalker Network

Number of talkers:	Up to 35 transmitters
Network priority mode:	Tour guide or conference mode can be selected
Operating range:	Up to 40 m / 130 feet depending on surroundings

Microphone characteristics

iLapel microphone:	Array microphone with enhanced Voice Activity Detector for pick-up at distances of 15 cm / 6 inches or less.
EasyBoom microphone:	Head worn noise cancelling boom micro- phone for voice pick-up at 5cm or less.

FM characteristics

Frequency range:	169 – 176 MHz (H-Band) 214 – 220 MHz (N-Band)
Power emission:	5 mW
Operating range:	20 m / 66 feet

Standards

EI. 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 SAR1 g = 0.10 W/kg SAR10 g = 0.05 W kg
Radiocom FM:	EN 300.422-1, -2 EN 300.330-1, -2