Auri-RX1 Receiver



The Auri™ Audio Receiver is a state-of-the-art assistive listening receiver, allowing venues to provide hearing assistance to guests while meeting compliance with disability and accessibility requirements.

Key Features

- Supports integrated neck loop lanyards for people with T-coil-equipped hearing aids
- Scans for all Auri broadcasts or locks to one or more predetermined channels
- Supports open and encrypted broadcasts
- All-day battery life

AURACAST™

Contents

1x Auri-RX1 Receiver
1x Quick Start Guide and Safety Data Sheet

Product Specifications

Audio	
Audio Output	
Connection	2x 3.5mm TRRS connections for wired headphones or inductive neck loops, supports TRS or TRRS headphones
Nominal Output Level	0 dBu, 16mW maximum
Impedance	32Ω
Audio Processing	
Frequency Response +/- 3 dB (system)	16 kHz sample rate: 50 Hz – 7.5 kHz 24 kHz sample rate: 50 Hz – 11.0 kHz 48 kHz sample rate: 50 Hz – 19.5 kHz
THD+N (system)	< 0.5% Total Harmonic Distortion (at nominal level)
Signal to Noise Ratio (system)	> 60 dB (at nominal level)
Latency (system)	Auri RX1 – 29 ms to 45 ms dependant on sample rate and mono/stereo Other transmitters will vary
Radio	
Bluetooth version	5.3
Operating Frequency	2400 to 2482 MHz
Operating Mode	Auracast™ Compliant, Broadcast Receive Only
Supported Codec	LC3
Encryption	AES128-CCM encryption, with 4-16 character password
Supported Formats	Mono or Stereo
Controls	
Buttons	Power, Volume Up/Down, Two Front Multifunction Soft Buttons
User Control	Power on/off, display on/off, channel selection, volume up/down
Setup/Programming	Via Auri™ Manager Software/Docking Station

Indicators	
Display	31 x 16 mm (1.22 x .63 in), 64 x 128 pixel OLED display
Display contents	Channel playing, available channels, battery level with time remaining, signal strength, volume status, charging status
Light Sensor	Visible light, automatically adjusts display brightness
Status LED	RGB multi-function LED, see handbook for all states
Power and Charging	
Power Supply	USB-C PD Compliant or Docking Station - 5V, 500mA
Dock Connection	4 contacts w/ magnetic latch for charging and programming via docking station
Battery Type	Lithium Polymer, rechargeable, field replaceable
Battery Size	3.7 Vdc, 730 mAh
Battery Life	> 20 hours
Battery Charge Time	Fully charged in < 4 hours (dead battery)
Power Save Modes	Auto Off - powers down on loss of audio (adjustable 0 - 30 minutes)
	Auto Power - powers down on charging and powers on when removed
	Jack Sense - powers down when jack is disconnected (1 min), powers on when jack inserted
Physical	
Dimensions (H x W x D) with Belt Clip	90 x 54 x 23 mm (3.54 x 2.13 x 0.91 in.)
Unit Dimensions (H x W x D)	90 x 52 x 16 mm (3.54 x 2.05 x 0.63 in.)
Unit Weight	0.07 kg (0.15 lbs.)
Shipping Weight	0.09 kg (0.20 lbs.)
Enclosure material	PC plastic (IR transparent)
Colour	Black, Chrome Volume Buttons
Belt Clip	Removable
Battery Door	Removable for battery replacement
Environmental	
Temperature – Storage	-40 °C (-40 °F) to 70 °C (+158 °F)
Temperature – Operation	-10 °C (14 °F) to 40 °C (+104 °F)
Relative Humidity	0 to 95% relative humidity, non-condensing
IP Rating	IP40
Compliance	
Standards	CE, UKCA, RCM, REACH, WEEE
	Specifications subject to change without notice

AMPETRONIC Unit 2, Trentside Buisness Village, Farndon Road, Newark NG24 4XB, United Kingdom | Phone: +44.1636.610062 www.ampetronic.com

LISTEN TECHNOLOGIES 14912 Heritage Crest Way, Bluffdale, Utah 84065-4818 USA | Phone: +1.801.233.8992 Toll-Free: 1.800.330.0891 www.listentech.com

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