

IR-RXQ Assistive Listening Receiver With Integrated Neck Loop

Features:

- Can Be Discreetly Worn Using Integrated Neck Loop
- 30 Hours of Life from 2 AAA Batteries
- Ideal for Museum and Tour Systems
- Ergonomic Design
- High Frequency Modulation



Assistive Listening Receiver

The **IR-Rx** is a compact receiver for infrared assistive listening systems, and forms the user component in the Infra~Hear™ range of products.

Using high frequency modulation at **2.3MHz** the **IR-RX** is immune to interference from energy saving lighting and plasma displays.

The receiver is battery powered from standard AAA batteries with a life of over 30 hours between charges, saving the expense of custom battery packs and chargers.

The volume control has a positive snap, and enables users with limited mobility to use the system.

Due to its compact design the unit can be discreetly worn, suspended by the integral neck loop, even when using the external headphone socket.

The ability to add external headphones allows the receivers to be used by non hearing aid wearers in museum tour guide systems or for secondary language translation systems, or simply to test operation of the receiver without stocking two receiver types.

Infra red light will not pass through walls, ensuring security in sensitive locations such as courts and council chambers.

Modulation	wideband FM
Nominal deviation	± 50 kHz
Carrier frequency	2.3 MHz
Audio output power	40mW
Loop Field	400mAM-1
Frequency response	30-18,000 Hz
THD (1 kHz, nom. dev.)	<1%
Audio signal-to-noise ratio	>60 dB(A) rms
Headphone output	3.5mm mono jack
Headphone impedance	Minimum 16 Ω
IR diodes	2@ 875nm
Reception angle	120°
Receiving power	minimum 1mW
Operating voltage	2.3-3.3 V DC
Batteries	2 off AAA
Current consumption	approx. 30 mA
Dimensions	
Height	39mm
Width	110mm
Depth	28mm
Loop	400mm
Weight	approx. 70g