



- Interchangeable disposable or rechargeable batteries
- Simple to use
- Light weight
- Plug-in rechargeable battery
- Replaceable ear cushions
- Complies with IEC 764

Single channel (mono) infra-red receiver designed for professional and industrial users and powered by a plug-in rechargeable battery unit. Underchin type incorporating a built-in dynamic stethoscopic headset and replaceable foam earcushions. The receiver has a maximum volume level of over 116 dB and is suitable for

assisted hearing applications where wireless transmission is required.

A switcheable two channel version (Type IRX-2H) is also available for use with bi-lingual simultaneous interpretation systems.

The infra-red transmission system is based on multiplexed FM signals and is compatible with other similar wide band systems. The standard channel frequency is 95 kHz with the alternative of 250 kHz. The receiver is fitted with a squelch facility to reduce unwanted noise in low radiation conditions or when the receptor is covered.

The power supply is provided by two 1.2 volts rechargeable Ni-Cad batteries in a plug-in battery unit. This gives an operating life of about 18 hours between charges, with a recharging cycle of up to 14 hours.

Controls

The volume control is by means of a rotary knob which also functions as the ON/OFF switch. The two channel switchable version also has a sliding channel selector.

Accessories

A special battery recharging unit type RCR-30 is available with a capacity of 30 batteries.

Technical Data

No. of channels	one (two for IRX-2H)
Ch. frequencies	95kHz and 250kHz
Modulation	FM
Nom. deviation	± 25kHz
Peak deviation	± 50kHz
De-emphasis	50µsec
AF response	100Hz - 8kHz (-3dB)
Sensitivity	5 mW/m ² IR (S/N≥40dB)
S/N ratio (max)	≥63dB (A wtg)
Distortion	≤1%
Power supply	2 x 1.2 volts Ni-Cad
Operating life	up to 18 hours

Architects and Engineers specification

The single (two) channel infra-red receiver shall be powered by a plug-in 2.4 volt rechargeable battery unit. It shall have a rotary volume control with an on/off switch, (a sliding two position channel selector switch) and a built-in stethoscopic headset with two dynamic transducers.

The receiver shall operate on FM principles with carrier frequency 95kHz (and 250kHz), Audio frequency range shall be at least 100Hz to 8kHz (-3dB), maximum volume not less than 116dB SPL, signal/noise ratio better than 63dB, and distortion less than 1%. The weight shall not be greater than 80g. The receiver shall comply with IEC 764.

(IRX-2H two channel version only)

We reserve the right to vary the specification without notice in the interest of product improvement

