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# WIR RX22-4

## Infrared Receiver

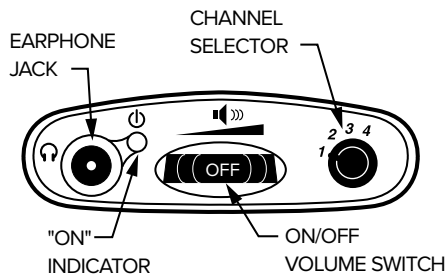


The RX22-4 is a four-channel infrared receiver, compatible with transmitters operating on the 2.3-3.8 MHz frequency bandwidth. The sleek, comfortable design features a convenient rotary channel selector and an easy-to-use on/off/volume control. The RX22-4 can be used with mono or stereo headphones and earphones, or a neckloop. Dual infrared detectors provide maximum sensitivity and operating range.

# Infrared Receiver

## WIR RX22-4 Receiver:

**RX22-4 TOP**



**RX22-4 FRONT**



<b>Receiver Style:</b>	Body-Pack, dual-lens detector, lanyard
<b>Size:</b>	4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)
<b>Weight:</b>	4.5 oz (127 g) with batteries
<b>Color and Material:</b>	Black
<b>Lanyard:</b>	3 ft (.91 m), allows receiver to be worn around the neck
<b>Operating Temperature:</b>	-10° C to +50° C
<b>Battery Type:</b>	2 x AA, alkaline (BAT 001) or NiMH (BAT 026)
<b>Battery Life:</b>	Alkaline: 60 hours, NiMH: 30 hours/charge
<b>Battery Drain:</b>	25 mA, nominal
<b>Charging Contacts:</b>	For use only with CHG 3512
<b>Carrier Frequency:</b>	Channel 1: 2.3 MHz, Channel 2: 2.8 MHz Channel 3: 3.3 MHz, Channel 4: 3.8 MHz
<b>De-Emphasis:</b>	50 uS
<b>FM Deviation:</b>	±50 kHz
<b>Signal-to-Noise Ratio:</b>	60dB min.
<b>Squelch:</b>	Receiver squelches (mutes) at 28 dB S/N ratio
<b>Frequency Response:</b>	25 Hz to 16 KHz, +1 dB, -3 dB, electrical response
<b>Total Harmonic Distortion:</b>	Less than 1%, electrical response
<b>Controls:</b>	ON/OFF/VOLUME: combination thumbwheel knob Channel Selector: four-position rotary switch
<b>Indicators:</b>	Red LED "ON" indicator, flashes to indicate Low battery
<b>Audio Output Jacks:</b>	3.5 mm stereo mini phone jack Accepts 3.5 mm mono or stereo phone plug
<b>Audio Output Power:</b>	15 mW max at 32 Ω
<b>Acoustic Output:</b>	125 dB SSPL90 with HED 021; 110 dB SSPL90 w/ EAR 013
<b>Sensitivity:</b>	Better than 1 nW/cm <sup>2</sup> for 40 dB signal-to-noise ratio
<b>Approvals:</b>	CE, FCC, RoHS, WEEE
<b>Warranty:</b>	5-years on receiver, 90 days on accessories
<b>Compatible Headphones/ Earphones:</b>	Mono or stereo, 8-32 ohms, 3.5 mm mini phone plug, HED 021, HED 026, EAR 013, EAR 014, EAR 022, NKL 001

# Infrared Receiver

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## **Bid Specs:**

The receiver shall be a body-pack type with IR detector lens behind face of the unit. The unit shall have a lanyard for hands-free operation. The receiver shall have a rotary-type volume control. The receiver shall operate for 60 hours with two AA alkaline batteries and for 30 hours per charge with NiMH AA batteries. The receiver shall be charged without battery removal via charger contacts in the case. A drop-in charger accessory shall recharge the batteries in 16 hours when used with CHG 3512 charger. The receiver shall be housed in an impact resistant plastic case with a hinged battery door that does not separate from the receiver. The receiver shall receive 2.3 MHz, 2.8 MHz, 3.3 MHz or 3.8 MHz modulated IR signals with 50  $\mu$ S de-emphasis. The receiver shall have a

3.5 mm stereo phone jack and accommodate low-impedance mono or stereo earphones and headphones. The receiver shall accommodate neckloop telecoil couplers. The receivers shall provide 125 dB SSPL90 output with HED 021 headphone and 110 dB SSPL90 with EAR 013 earbud-type earphone.

The system electrical frequency response shall be 25 Hz to 16 kHz, +1, -3 dB and the S/N ratio shall be 60 dB. The receiver shall have CE, FCC RoHS and WEEE approval. The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones, batteries and chargers.

The receiver shall be the Williams AV model WIR RX22-4.

## **Domestic Sales**

Williams AV  
10300 Valley View Rd  
Eden Prairie, MN 55344  
Ph: 800-328-6190 / 952-943-2252  
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Web: [www.williamsav.com](http://www.williamsav.com)

## **International Sales**

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