

# SoundPlus® Infrared Receiver, Model WIR RX12-4

## Description:

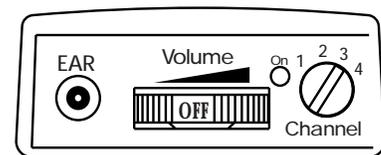
The RX12-4 is a four-channel infrared receiver, compatible with transmitters operating on the 2.3-3.8 MHz frequency bandwidth. The sleek, comfortable design features a convenient rotary channel selector and an easy-to-use on/off/volume control. The RX12-4 can be used with mono or stereo headphones and earphones, or a neckloop. Dual infrared detectors provide maximum sensitivity and operating range.

## Applications:

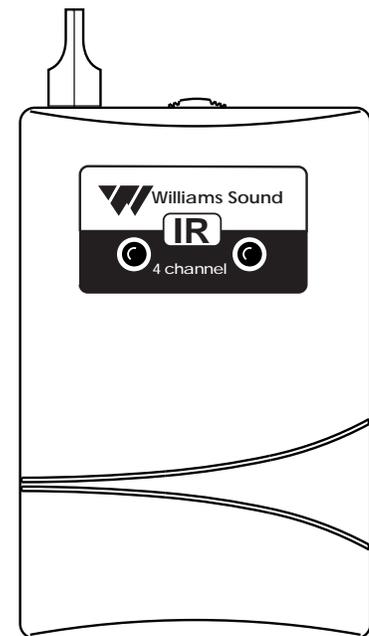
- Simultaneous Interpretation • Audio Description • Conferences • Multi-Media Rooms
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## WIR RX12-4 Receiver:

<b>Receiver Style:</b>	Body-Pack, dual-lens detector, lanyard
<b>Size:</b>	3-5/8" L x 2-3/8" W x 7/8" H (9.2 cm x 6 cm x 2.2 cm)
<b>Weight:</b>	4.5 oz (127 g) with batteries
<b>Color and Material:</b>	Gray, shatter-proof polyallomer
<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 200 and CHG 1600 Chargers
<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 40 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 Red LED "ON" indicator, flashes to indicate Low battery
<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 002; 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, Industry Canada, AS
<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 002, HED 021, EAR 013, EAR 014, EAR 022



RX12-4 Top View



RX12-4 Front View

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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## Bid Specs:

The receiver shall be a body-pack type with an IR detector lens on the 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 14 hours. 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 002 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 signal-to-noise ratio shall be 60 dB. The receiver shall have CE, FCC, Industry Canada and AS 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 Sound Corp. model WIR RX12-4.

## Contact:

### United States and Mexico

Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344-3446  
Ph: 800-328-6190 / 952-943-2252 / FAX: 952-943-2174  
Web: [www.williamssound.com](http://www.williamssound.com)  
Email: [info@williamssound.com](mailto:info@williamssound.com)

### Canada

Thorvin Electronics  
2861 Sherwood Heights Dr. Units 36-37  
Oakville, ON L6J-7K1 Canada  
Ph: 800-323-6634 / 905-829-3040 / FAX: 905-829-4196  
Web: [www.thorvinelectronics.com](http://www.thorvinelectronics.com)

### South America

DPTECH  
SIA Trecho 3/4 Lote 335 2°. Andar  
71200-030 Brasília, DF  
BRAZIL  
Ph: (5561) 361-1384  
Fax: (5561) 361-0948  
Web: [www.dpotech.com.br](http://www.dpotech.com.br)  
Email: [ws@dpotech.com.br](mailto:ws@dpotech.com.br)

### Europe and Asia

International Sales Department  
Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344 USA  
Phone: +1 651 493 2578 or +1 952 943 2252  
Fax: +1 952 943 2174  
Email: [doreeni@williamssound.com](mailto:doreeni@williamssound.com)  
Web: [www.williamssound.com](http://www.williamssound.com)

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