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# IR ADA KIT

## Infrared ADA Compliance Kit



The Williams Sound IR ADA KIT provides everything needed to accommodate individuals for hearing accessibility and/or language interpretation in a small-group setting. This portable easy-to-use infrared system is ideal for secure applications. It operates at 2.3MHz/2.8MHz, at a range of up to 30 feet. Optional splitter (SPT 001) is available for accommodating additional optional microphones (MIC 049) on larger conference tables or in similar small-area applications.

### System Includes

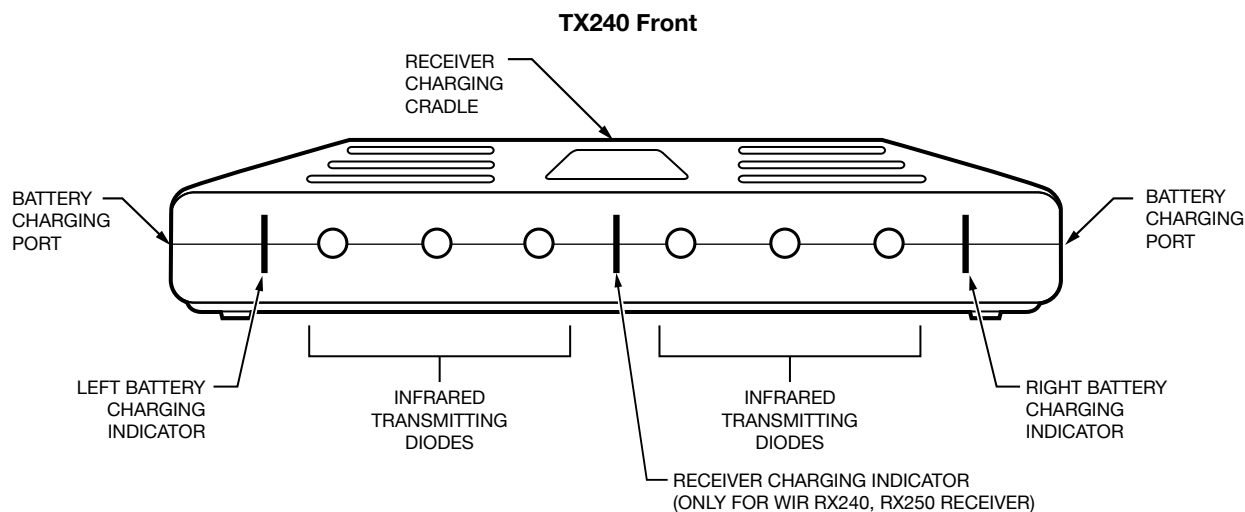
- WIR 250 small-area IR system
- BAT KT6 AA rechargeable battery system
- (2) WIR RX22-4 infrared body pack receivers
- (2) HED 026 headphones
- NKL 001 neckloop
- MIC 049 conference microphone
- WCA 007 WC microphone extension cable (effective up to 12' on table top)
- CCS 030 carry case
- IDP 008 ADA wall plaque

# IR ADA KIT - Infrared ADA Compliance Kit

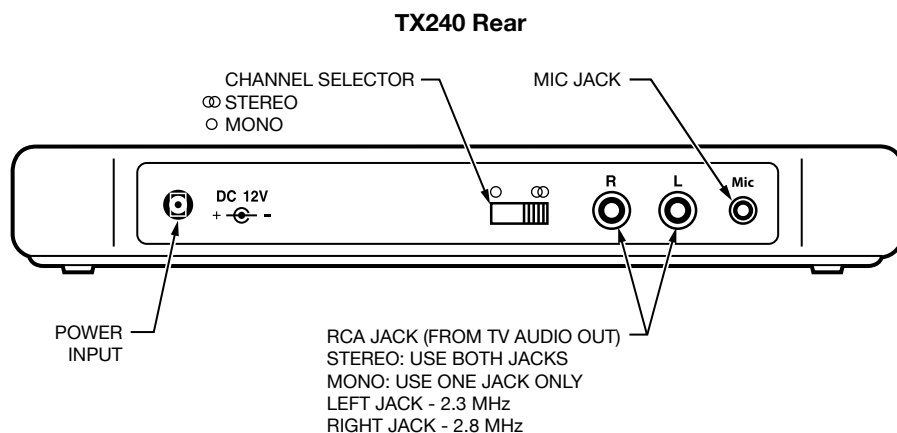
## WIR TX240 Transmitter:

The WIR 240/250 is ideal for TV listening, meetings, or any small group listening application. Listen at the volume of your comfort without disturbing others. The system connects directly to your TV, VCR, or DVD equipped with standard output jacks. It features high quality, low distortion sound, and swiveling ear couplings for maximum comfort and performance. On/Off switch is built into the "arms" of the receiver, so it can never be left on to drain the batteries.

<b>Size, Weight, Color:</b>	6.25" L x 4" W x 1.4" H (15.9 cm x 10.2 cm x 3.6 cm), 5.5 oz (177 g), Gray
<b>Power Input:</b>	<ul style="list-style-type: none"> <li>12 VDC (center is positive) on DC connector, 200 mA Class II wall transformer</li> <li>TFP 041 Power Supply: North America: 120 VAC, 60 Hz, UL/CSA</li> </ul>
<b>Subcarrier Frequency:</b>	2.3 MHz, 2.8 MHz, or stereo
<b>Range:</b>	30ft (9m) line-of-site
<b>Auto Power On/Off:</b>	Transmitter shuts off infrared after 5 minutes when audio signal is removed. Battery charging functions remain on full time.
<b>Microphone Input:</b>	3.5 mm jack for MIC 084 Electret TV Microphone, 1.5 k $\Omega$
<b>Line Inputs:</b>	2 RCA jacks for mono or stereo line-level sources. 200 mV min. to 10 V rms max. input level, 5.1 k $\Omega$
<b>Automatic Level Control:</b>	35 dB compression range
<b>Infrared LEDs, Pattern:</b>	6 IR LEDs, 45 degree cone-shaped coverage pattern to 6 dB intensity, 30 ft (9 m) line of sight
<b>Charging Ports:</b>	Charges one WIR RX240/250 Receiver plus two additional BAT AP07D NiMH battery packs**
<b>Approvals:</b>	RoHS, WEEE
<b>Warranty:</b>	2 years, parts and labor*



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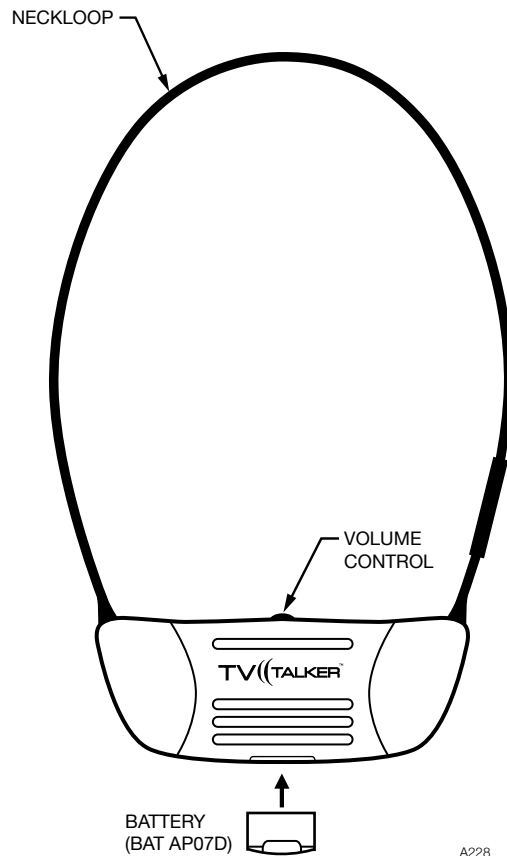
\*90 days on accessories.

**NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!**

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## WIR RX250 Receiver:

<b>Weight:</b>	1.8 oz (56 g) with battery
<b>Material and Color:</b>	ABS plastic, Black
<b>Battery Type, Life:</b>	BAT AP07D NiMH Battery Pack, 7 hours
<b>Modulation Frequency:</b>	2.3 and 2.8 MHz
<b>Frequency Response:</b>	200 Hz to 8 kHz, $\pm 5$ dB
<b>Signal-to-Noise Ratio:</b>	60 dB at 10 m
<b>Controls:</b>	Volume control thumbwheel; screwdriver adjust balance and (L & R) tone controls
<b>Acoustic Output:</b>	120 dB MAX SSPL90 with 2 cc coupler and EAR 013
<b>Compatibility:</b>	Compatible with transmitters operating on 2.3 MHz/2.8 MHz
<b>Headphone Output:</b>	3.5mm Stereo jack
<b>Power Switch:</b>	Built into volume control
<b>Loop Length:</b>	32" (813mm)
<b>Approvals:</b>	RoHS, WEEE
<b>Warranty:</b>	2 years, parts and labor*



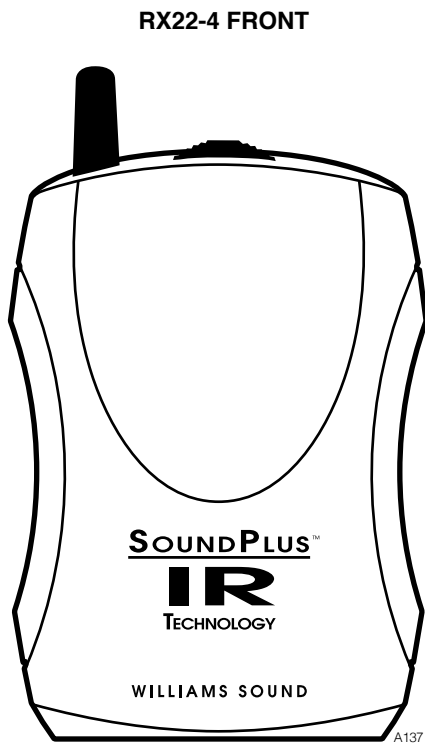
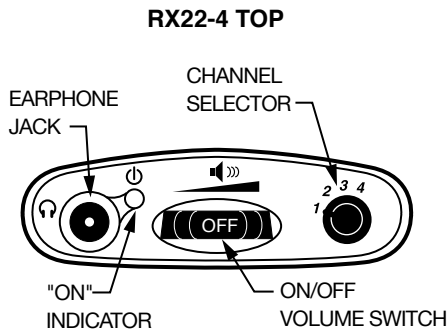
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# IR ADA KIT - Infrared ADA Compliance Kit

## WIR RX22-4 Body Pack 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.



<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>	<ul style="list-style-type: none"> <li>Channel 1: 2.3 MHz, Channel 2: 2.8 MHz</li> <li>Channel 3: 3.3 MHz, Channel 4: 3.8 MHz</li> </ul>
<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
<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, EAR 041, EAR 042

**Note: Specifications subject to change without notice.**

### Domestic Sales

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FAX: 952-943-2174  
Email: [info@williamssound.com](mailto:info@williamssound.com)  
Web: [www.williamssound.com](http://www.williamssound.com)

### International Sales

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10300 Valley View Rd.  
Eden Prairie, MN 55344 USA  
Phone: +1 952 943 2252  
Fax: +1 952 943 2174  
Email: [info@williamssound.com](mailto:info@williamssound.com)  
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