

# SoundPlus™ TV Infrared Listening System • Model WIR 238



## Description:

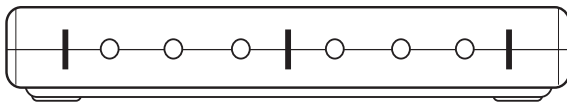
The WIR 238 is ideal for TV listening, meetings, or any small group listening application. Listen at the volume of your comfort without disturbing others. The system connects directly to your TV, VCR, or DVD equipped with standard output jacks. It features high quality, low distortion sound, and angled 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.

## Applications:

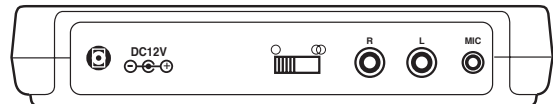
- Television Listening • Stereo Listening • Small Group Listening • Language Interpretation • Offices

## WIR TX238 Transmitter:

Size, Weight, Color:	6.25" L x 3.25" W x 1.25" H (15.9 cm x 8.3 cm x 3.2 cm), 5.1 oz (140 g), Gray
Power Input:	12 VDC (center is positive) on DC connector, 200 mA Class II wall transformer TFP 024 Power Supply: North America: 120 VAC, 60 Hz, UL/CSA TFP 032 Power Supply, 2 pin Euro mains plug, 230 VAC, 50-60 Hz, CE TFP 033 Power Supply, 3 pin UK mains plug, 230 VAC, 50-60 Hz, CE
Subcarrier Frequency:	2.3 MHz, 2.8 MHz, or stereo
Range:	30ft (9m) line-of-site
Auto Power On/Off:	Transmitter shuts off infrared after 5 minutes when audio signal is removed. Battery charging functions remain on full time.
Microphone Input:	3.5 mm jack for MIC 084 Electret TV Microphone, 1.5 kΩ
Line Inputs:	2 RCA jacks for mono or stereo line-level sources. 200 mV min. to 10 V rms max. input level, 5.1 kΩ
Automatic Level Control:	35 dB compression range
Infrared LEDs, Pattern:	6 IR LEDs, 45 degree cone-shaped coverage pattern to 6 dB intensity, 30 ft (9 m) line of sight
Charging Ports:	Charges one WIR RX238 Receiver plus two additional BAT AP97A NiMH battery packs**
Approvals:	RoHS, WEEE
Warranty:	5 years, parts and labor*



TX238 Front



TX238 Rear

\*90 days on accessories.

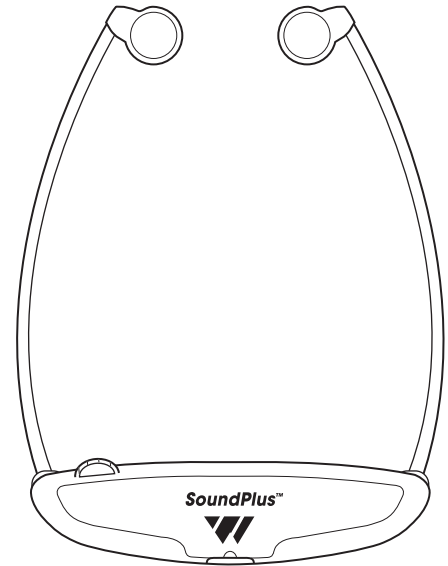
NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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## WIR RX238 Receiver:

Weight:	2.1 oz (60 g) with battery
Material and Color:	ABS plastic, Black and Grey
Battery Type, Life:	BAT AP97A NiMH Battery Pack, 6 hours
Modulation Frequency:	2.3 and 2.8 MHz
Frequency Response:	200 Hz to 8 kHz, $\pm$ 5 dB
Signal-to-Noise Ratio:	60 dB at 10 m
Controls:	Volume control thumbwheel; screwdriver adjust balance and (L & R) tone controls
Acoustic Output:	112 dB MAX SSPL90 with 2 cc coupler
Compatibility:	Compatible with transmitters operating on 2.3 MHz/2.8 MHz
Power Switch:	Built into receiver "arms"
Ear Pads:	Uses EAR 031 foam cushions
Approvals:	RoHS, WEEE
Warranty:	5 years, parts and labor*



RX238 Front

\*90 days on accessories.

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## Bid Specs:

### TX238 Transmitter

The transmitter shall be encased in a grey, ABS plastic, compact in design for easy mounting on top of a TV, VCR or audio equipment. The transmitter shall have 6 infrared LEDs that can transmit a signal up to 30 ft (line-of-sight) at 6 dB of intensity. There shall be a two position slide switch for selecting stereo or mono (2.3/2.8 MHz) operation. Two RCA jacks shall be available for mono or stereo line-level input at 200 mV to 10 V. A 3.5 mm jack shall be available for microphone input at 1.5 k. A television microphone shall be included to directly pick up the audio of the sound source where there are no available jacks. The transmitter shall have a battery charger for the RX238's BAT AP97A on each side of the transmitter.

The transmitter shall serve as a charger for a single RX238 receiver plus two additional BAT AP97A batteries.\*\* The transmitter shall automatically turn off after 5 minutes of no audio. The transmitter shall have RoHS and WEE approval and be covered by a five-year parts and labor warranty.\* The transmitter shall be the Williams Sound Corp. model WIR TX238.

### RX238 Receiver

The receiver shall be a stetho type with an IR detector lens in the face of the unit. The receiver shall be compatible with transmitters operating on 2.3 MHz/2.8 MHz. The receiver shall have a rotary-type volume control and the power switch shall be built into the "arms," so that the unit will automatically shut off when not in use. The receiver shall have left and right tone and balance controls adjustable by screwdriver. The receiver shall operate for 6 hours per charge with 1 BAT AP97A NiMH battery. The receiver shall be housed in a black ABS plastic case. The receiver shall provide 112 dB SSPL90 output. The system frequency response shall be 200 Hz to 8 kHz, and the signal-to-noise ratio shall be 60 dB at 10 m. The receiver shall have RoHS and WEEE approval and be covered by a five-year parts and labor warranty\*, 90 days on the battery. The receiver shall be the Williams Sound Corp. model WIR RX238.

\*90 days on accessories.

\*\* Only one additional battery is supplied with the WIR 238 system

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