WILLIAMSSOUND

IR T2

Medium-Area Infrared Transmitter

Building on years of infrared audio delivery expertise, Williams Sound is pleased to introduce the IR T2 commercial-grade, medium-area infrared transmitter. Its sleek, compact footprint is ideal for assistive listening and language interpretation in commercial spaces such as conference rooms, assisted living facilities, small cinema/theaters, classrooms and courtrooms. The new IR T2 infrared transmitter offers 50 percent greater coverage than the current WIR TX75 and new control system readiness -- all at a more affordable price. With a significantly wider coverage pattern and more power, there is no need for the additional expense of secondary units.

FEATURES

- Up to 18,000 square feet (1673 m^2) of coverage using high-efficiency infrared LEDs
- Two Phoenix-style line-level inputs and one 3.5mm microphone input
- Provides for one- or two-channel operation
- Flexible channels -- operating frequencies of 2.3/2.8MHz or 3.3/3.8MHz are supported in one unit.
- Use both channels (A/B) for high-quality stereo output
- Compatible with Williams Sound infrared receivers (IR RX20 and WIR RX22-4N)
- Commercial-grade design for indoor environments
- Easy-to-read power status and audio input indicators on rear panel
- Power-saving mode turns the unit off after no audio is present for 12 minutes.
- Wall/ceiling mount bracket included. Top or bottom mounting option.
- Phoenix-style connectors RS232
- Serial bus for integration with room control systems that monitor health of the unit, as well as control power and audio.

APPLICATIONS

- Assistive Listening for ADA/Disability Compliance
- Language Interpretation

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Dimensions, Weight:	9.0" W (229 mm) x 3.8" D (97 mm) x 1.4" H (36 mm), 0.84 lb. (0.38 kg)
Color:	Black
Power Supply:	TFP 057 (or TFP 061 with certain systems) desktop style international certified power supply with IEC line cord, 100-240 VAC input, 50-60 Hz, 18 W; 48 VDC output
DC Power Input:	2.1 mm ID barrel connector, 48 VDC, 0.2A, center positive
Power Indicator:	Green LED
Sleep/Power Save Mode:	Shuts off carrier when no audio is present for 12 minutes
Modulation:	FM Wideband, ±50 kHz deviation max, 50 µS pre-emphasis
Emitter IR Power:	0.7 W
Baseband Frequencies:	2.3, 2.8, 3.3, 3.8 MHz
Channels:	Indicators: Yellow LEDs indicate whether 2.3/2.8 MHz or 3.3./3.8 MHz baseband frequencies are selected
Coverage Area:	Up to 18,000 sq. ft (1,673 sq. m) in single-channel mode with the RX22-4 receiver Up to 11,500 sq. ft (1,068 sq. m) with the RX20 receiver
Microphone input:	3.5 mm, stereo jack with signal and bias connected to tip, electret microphone compatible (6 VDC bias supply with 2.7 k ohm series resistor)
Microphone gain adjust:	Rotary 10 dB range
Microphone channel switch:	Selects microphone input to Ch. A or Ch. B
Audio Inputs / Controls:	Line inputs: Phoenix style connector jack for Ch A and Ch B accept line level, balanced or unbalanced audio
Audio indicators:	One yellow LED per channel. Lights up and stay on steady with minimum audio level.
Indicators On/Off:	Momentary contact switch turns on/off indicator lights
Frequency Selection:	Press and hold momentary contact switch to change carrier frequency group.
Signal-to-Noise Ratio:	70 dB (line input)
Frequency Response:	95 Hz to 17.6 kHz, -3 dB re 1 kHz (line inputs) 125 Hz to 17.0 KHz, -3 dB re 1 kHz (microphone input)
Total Harmonic Distortion:	<1% (1 kHz, nominal deviation, line or microphone input)
Control/Monitoring:	3-wire RS-232 bus, standard ASCII commands/replies, 115200 Baud rate (8N1). See the IR T2 Programmers Guide for more information.
Operating Requirements:	32°-122°F (0-50°C)
Mounting Kit:	Wall or Ceiling mount: BKT 024 Omnidirectional mount
Warranty:	5 Years
Approvals:	CE, FCC, Industry Canada, WEEE, RoHS, CB Scheme, RCM, PSE
Compatible Receivers:	WIR RX22-4, IR RX20

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