

# IR T2

## MEDIUM-AREA INFRARED TRANSMITTER



This wireless system utilizes infrared light to carry audio to individuals needing hearing assistance or language interpretation to overcome background noise, reverberations, and distance from the sound source. Infrared systems ensure direct, clear delivery of your message while containing the message to a single room. Perfect for maintaining proprietary and confidential information within a room or when you have adjacent spaces.

The IR T2 combines an emitter and modulator in a single unit and can be controlled remotely via RS-232 commands. Commands include:

- Powering the unit on/off
- Remotely setting the IR frequency (2.3/2.8 or 3.3/3.8)
- Muting the outgoing audio without powering off
- Turning back panel LEDs on or off
- Troubleshooting abilities

- Assistive audio for medium and large spaces or for secure audio transmissions within a room
- Coverage up to 18,000 sq. ft (1,673 sq. m)
- Two audio channels each, up to four audio channels per room
- Compact, discrete design

### Applications

- Assistive listening for ADA/Disability Compliance
- Language interpretation

### Markets

- Houses of Worship
- Healthcare - medical centers and treatment centers
- Government - courtrooms
- Education - classrooms & lecture halls
- Entertainment - auditoriums, theaters
- Business - conference centers



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## Product Specifications: IR T2 Medium-Area Infrared Transmitter

Dimensions	9.0" W (229 mm) x 3.8" D (97 mm) x 1.4" H (36 mm)
Weight	0.84 lb. (0.38 kg)
Color	Black
Power Supply	TFP 057 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 present for 12 minutes
Modulation:	FM Wideband, $\pm 50$ kHz deviation max, 50 $\mu$ S pre-emphasis
Baseband Frequencies	2.3, 2.8, 3.3, 3.8 MHz
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 gain adjust	Rotary 10 dB range
Microphone channel switch	Selects microphone input to Ch. A or Ch. B
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)
Audio Inputs	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.
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)
Operating Requirements	32°-122°F (0-50°C)
Mounting Kit	Wall or Ceiling mount: BKT 024 Omnidirectional mount
Compatible Receivers	WIR RX22-4, IR RX20
Warranty	5-year warranty against component failure and manufacturing defects. See <a href="#">Full Warranty statement on the website for details.</a>
Approvals/Regulatory Compliance	CE, FCC, Industry Canada, WEEE, RoHS, CB Scheme, RCM, PSE

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