

WIR TX75/b

Mid-range Infrared Transmitter



The WIR TX75 and WIR TX75b infrared transmitters ensure participants in your conference room, courtroom, classroom or other mid-sized venue receive direct, clear communication of your message without sacrificing security. The sleek and stylish TX75 is designed to maximize coverage area up to 5,000 square feet in single-channel mode when using the RX22-4 receiver. Two slaves (WIR TX75-S) can be added for additional coverage up to 5,000 square feet each (15,000 sq. ft. total), when mounted up to 100 feet from the master transmitter. Placing additional slaves in the same room increases coverage and enhances freedom of movement. A single CAT-5e cable carries both power and signal to slaves—truly a one-cable connection. Mounting bracket and international power supply are included.

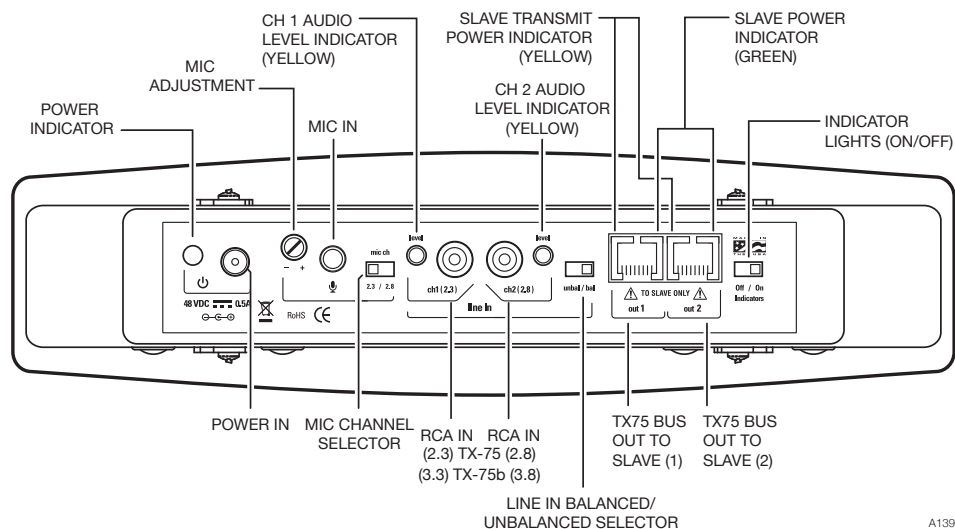
System includes:

- (1) WIR TX75 or TX75b infrared transmitter
- (1) BKT 024 wall / ceiling mounting bracket
- (1) TFP 046 international power supply with WLC 004 U.S. mains AC plug

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TX75 Specifications

Dimensions, Weight:	10.0" W (25.4 cm) x 3.1" D (7.9 cm) x 1.5" H (3.8 cm) w/o faceplate or 2.5" H (6.4 cm) w/faceplate, 0.6 lbs (0.3kg)
Color:	Black with silver colored silk screen and silver colored faceplate Optional: white colored faceplate
Power Supply:	Desktop style international power supply with IEC line cord, 100-240 VAC input, 50-60Hz, 24W; 48VDC output
DC Power Input:	2.5mm ID barrel connector, 48 VDC, 0.4A center positive
Power Indicator:	Green LED
Sleep/Power Save Mode:	Shuts off carrier when no audio is present for 3 minutes
Modulation:	FM Wideband, ± 50 kHz deviation max, 50 μ S pre-emphasis
Carrier Frequencies:	TX-75: 2.3MHz (Ch1) and 2.8MHz (Ch2). TX-75b: 3.3MHz (Ch1) and 3.8MHz (Ch2). Default at power on = carriers off. Carriers are automatically enabled upon presence of audio.
Emitter IR Power:	0.7 W
Master Only Coverage Area (minimum, 1-Ch mode):	5,000 sq. ft in single-channel mode with the RX22-4 receiver (464 sq. m) 3,000 sq. ft in single-channel mode with the RX15-2 receiver (279 sq. m) 2,000 sq. ft in single-channel mode with the RX18 receiver (186 sq. m)
Audio Inputs / Controls:	Line inputs: RCA jack for Ch1 and Ch2 accept line level, balanced or unbalanced audio Line in balanced/unbalanced switch: selects balanced or unbalanced line level audio for RCA jacks
Microphone input:	3.5 mm, stereo jack with signal and bias connected to tip, electret microphone compatible (4 VDC bias supply with 2.7k ohm series resistor)
Microphone gain adjust:	Rotary potentiometer
Microphone channel switch:	Selects microphone input to Ch1 or Ch2
Audio indicators:	Yellow LED blinks at nominal audio level. One per channel
Indicators On/Off:	2-position switch turns on/off indicator lights
"to slave" Output/Input:	(2) 8p8c RJ45 connectors output 48VDC 0.4A power, baseband RF and a bi-directional RS-485 bus for control and status communications
Slave Status Indicators (on "to slave" jacks):	Green: Power/Unit Status Yellow: Transmit/Cable Status
Signal-to-Noise Ratio:	70 dB, (line input)
Frequency Response:	95Hz to 17.6kHz, -3dB re 1kHz (line inputs) 125Hz to 17.0KHz, -3dB re 1kHz (microphone input)
Total Harmonic Distortion:	<1% (1 kHz, nominal deviation, line or microphone input)
Operating Requirements:	0-50° C (32°-122°F)
Mounting Kit:	Wall or Ceiling mount: BKT 024 Omnidirectional mount Optional: slave linking bar (MLB 003)
Warranty:	2 Years
Approvals:	CE, C-tick, FCC, Industry Canada, WEEE, RoHS, CB Scheme
Compatible Receivers:	WIR RX22-4, WIR RX18, WIR RX15-2



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Bid Specs

WIR TX75/TX75b

The Williams Sound WIR TX75 Infrared Transmitter shall consist of an all in one modulator and emitter operating on 2.3MHz and/or 2.8MHz (3.3MHz and/or 3.8MHz for the TX-75b). The carrier frequency shall use 50kHz deviation and 50µS pre-emphasis.

The TX75 shall have a minimum coverage of 5,000 sq ft with the WIR RX22-4 receiver in single-channel mode.

The TX75 shall be housed in a heavy-duty black plastic enclosure with a durable infra-red transparent front lens. It shall be convection cooled without fans. The Transmitter includes an omni-directional mounting bracket for various permanent installations.

The TX75 shall have a line level RCA input for each of the channels. Each channel shall have an audio input level LED. There shall be a single 3.5mm microphone input with gain control. The mic input shall have a channel selector switch.

The Transmitter shall have a switch to turn off all indicator LED's. There shall be a switch for selecting either balanced or unbalanced line level inputs.

The TX75 shall have two RJ45 outputs supplying power and baseband signal to two WIR TX75-S slave emitters via CAT-5e cable. Each RJ45 output shall have a green and yellow LED signaling that the slave emitters are receiving power and baseband signal. A single CAT-5e cable supplies power, signal and digital control to the slave unit up to 100 ft from the Transmitter.

The Transmitter shall be powered by a 48VDC universal power supply, 50-60Hz, 100-240 VAC input, 19.2W.

The TX75 shall be covered by a two-year parts and labor warranty, 90 days on accessories.

These Transmitters shall be the Williams Sound model WIR TX75 and WIR TX75b.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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