

# WIR TX75 PRO

Infrared Transmitter 2.3,2.8/3.3,3.8



The WIR TX75 PRO infrared transmitter ensures 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. 5-year warranty.

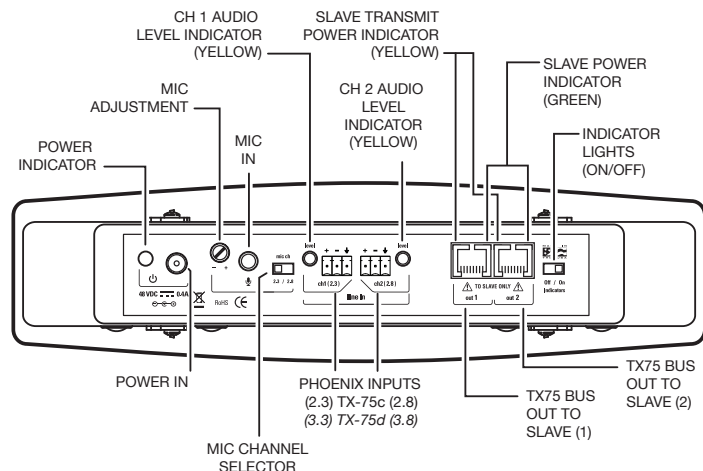
#### System includes:

- (1) WIR TX75c PRO infrared transmitter 2.3,2.8 or WIR TX75d PRO infrared transmitter 3.3,3.8
- (1) BKT 024 wall / ceiling mounting bracket
- (1) TFP 046 international power supply with WLC 004 U.S. mains AC plug

# PRO Infrared Transmitters 2.3, 2.8/3.3, 3.8

## WIR TX75 PRO Specifications

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



# PRO Infrared Transmitters 2.3,2.8/3.3,3.8

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## Architectural Engineering Specs

### WIR TX75 PRO

The Williams Sound Infrared Transmitter shall consist of an all in one modulator and emitter operating on 2.3MHz and/or 2.8MHz (and a second version operating at 3.3MHz and/or 3.8MHz). The carrier frequency shall use 50kHz deviation and 50µS pre-emphasis.

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

The Transmitters 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 Transmitters include an omni-directional mounting bracket for various permanent installations.

The Transmitters shall have a line level Phoenix Connector 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 Transmitters shall have a switch to turn off all indicator LED's.

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

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

The Transmitter operating at 2.3 and/or 2.8 MHz shall be the Williams Sound model WIR TX75c.

The Transmitter operating at 3.3 and/or 3.8 MHz shall be the Williams Sound model WIR TX75d.

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

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