WILLIAMS SOUND ®

INFRARED **SPECIFICATION DATA**

Courtrooms • Conferences • Houses of Worship • Universities • Cinema

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 WIR TX75 PRO is designed to maximize coverage area ***up to 12,000 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 12,000 square feet each (36,000 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

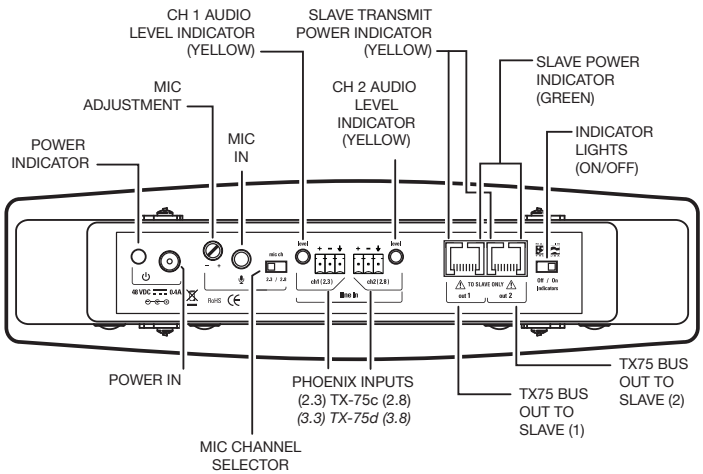
(1) TFP 046 international power supply with WLC 004 U.S. mains AC plug

**Operating range varies based on receiver used. See emitter specifications for coverage area by receiver type.*

PRO Infrared Transmitters 2.3,2.8/3.3,3.8

WIR TX75 PRO 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 (0.3 kg)
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, 50-60 Hz, 24 W; 48 VDC output
DC Power Input:	2.5 mm ID barrel connector, 48 VDC, 0.4 A 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 µS pre-emphasis
Carrier Frequencies:	WIR TX-75c: 2.3 MHz (Ch 1) and 2.8 MHz (Ch 2). WIR TX-75d: 3.3 MHz (Ch 1) and 3.8 MHz (Ch 2). 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):	12,000 sq. ft (1,115 sq. m) in single-channel mode with the RX 22-4 receiver 5,000 sq. ft (465 sq. m) in single-channel mode with the RX 15-2 receiver 4,000 sq. ft (372 sq. m) in single-channel mode with the RX 18 receiver
Audio Inputs / Controls:	Line inputs: Phoenix jack for Ch1 and Ch2 accept line level, balanced or unbalanced audio
Microphone input:	3.5 mm, stereo jack with signal and bias connected to tip, electret microphone compatible (4 VDC bias supply with 2.7 k ohm series resistor)
Microphone gain adjust:	Rotary potentiometer
Microphone channel switch:	Selects microphone input to Ch 1 or Ch 2
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 48 VDC 0.4 A 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:	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)
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:	5 Years
Approvals:	CE, C-tick, FCC, Industry Canada, WEEE, RoHS, CB Scheme
Compatible Receivers:	WIR RX22-4, WIR RX18, WIR RX15-2



PRO Infrared Transmitters 2.3,2.8/3.3,3.8

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 12,000 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 shall supply 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!

Domestic Sales
Williams Sound
10300 Valley View Rd.
Eden Prairie, MN 55344
Ph: 800-328-6190 / 952-943-2252
FAX: 952-943-2174
Email: info@williamssound.com
Web: www.williamssound.com

International Sales
International Sales Department
Williams Sound
10300 Valley View Rd.
Eden Prairie, MN 55344 USA
Phone: +1 952 943 2252
Fax: +1 952 943 2174
Email: info-intl@williamssound.com
Web: www.williamssound.com

WILLIAMS SOUND®
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800.843.3544 / info@williamssound.com / www.williamssound.com