

WIR SYS 7518

Mid-Range Infrared System



This system features the NEW WIR TX75 infrared transmitter, ensuring participants in a conference room, courtroom, classroom or other mid-sized venue receive direct, clear communication of your message without sacrificing security. Includes comfortable, stethoset-style, WIR RX18 infrared receivers—ideal for single-or two-channel applications. The sleek and stylish TX75 is designed to maximize coverage area up to 4,000 square feet (transmitter with WIR TX75-S slave) in single-channel mode. One additional slave (sold separately) can be added for additional coverage of up to 2,000 square feet (for total coverage of up to 6,000 square feet). 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 brackets and power supply are included.

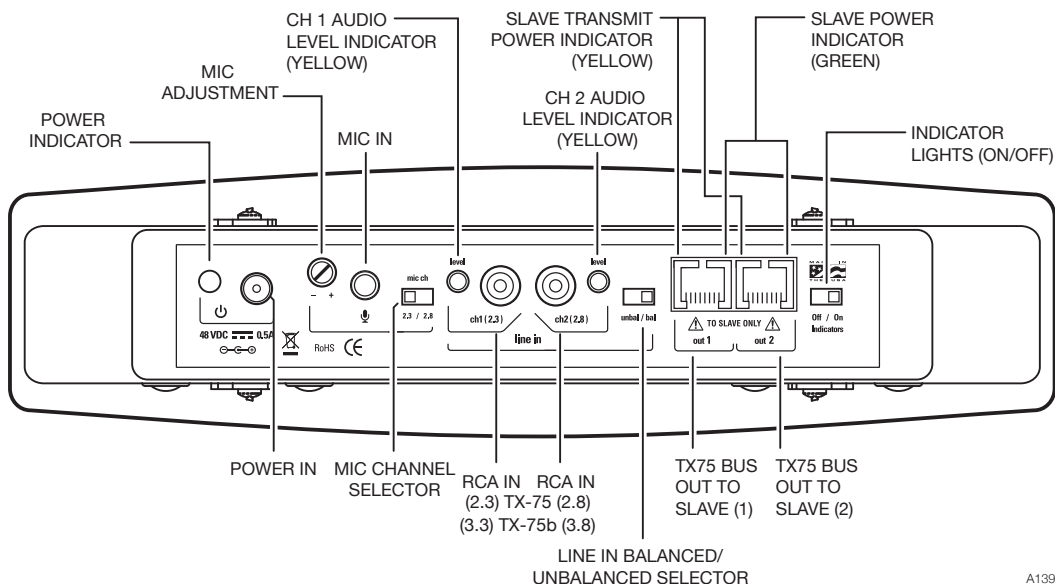
System Includes:

- (1) WIR TX75 infrared transmitter
- (1) WIR TX75-S slave emitter
- (5) WIR RX18 stethoset-style, infrared receivers
- (1) CHG 518 five-bay, drop-in charger
- (1) BKT 024 wall / ceiling mounting bracket
- (1) MLB 003 slave linking bar
- (1) TFP 046 international power supply with WLC 004 U.S. mains AC plug
- (1) IDP 008 ADA wall plaque

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TX75 Specifications

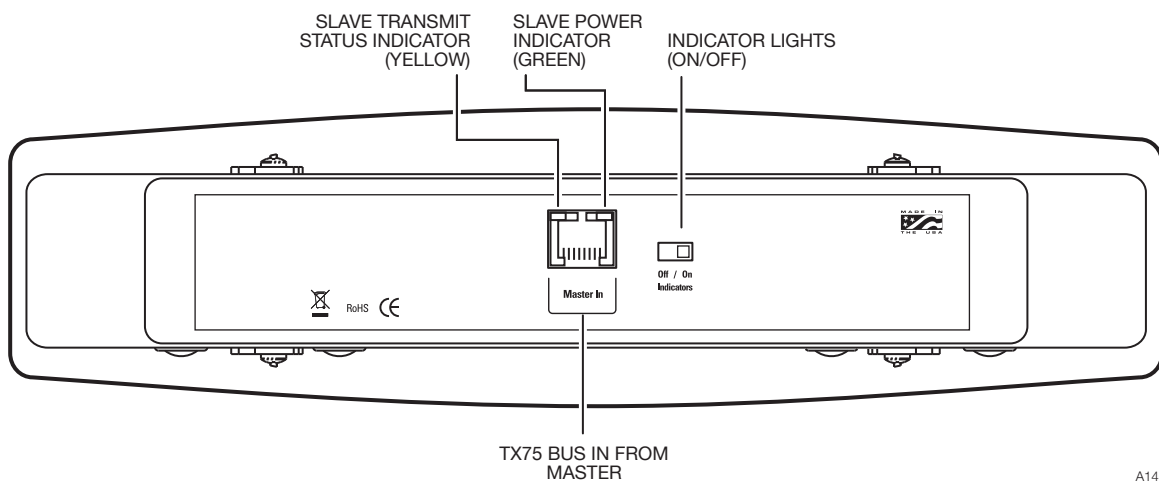
Dimensions, Weight:	10.0" W (25.4 cm) x 3.1" D (7.9 cm) x 1.5" H (3.8 cm) w/o faceplate or 2.5" H (6.4 cm) w/faceplate, 0.6 lbs (0.3kg)
Color:	Black with silver colored silk screen and silver colored faceplate Optional: white colored faceplate
Power Supply:	Desktop style international power supply with 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:	TX75: 2.3MHz (Ch1) and 2.8MHz (Ch2). TX75b: 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



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TX75-S 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
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:	TX75: 2.3MHz (Ch1) and 2.8MHz (Ch2). TX75b: 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
Slave Coverage Area (minimum, 1-ch mode):	Note: Slave emitter cannot be used without a master transmitter, but if the slave emitter is aimed so that its coverage area does not overlap that of the master, on its own it will provide: 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)
Master + Slave Coverage Area (minimum, 1-ch mode)	If slave transmitters are aimed to maximize coverage area (so that their coverage areas minimally overlap that of the master): 10,000 sq. ft in single channel mode with the RX22-4, a master and (1) slave transmitter (929 sq. m) 15,000 sq. ft in single channel mode with the RX22-4, a master and (2) slave transmitters (1,393 sq. m)
Indicators On/Off:	2-position switch turns on/off indicator lights
Signal-to-Noise Ratio:	70 dB, (line input)
Frequency Response:	95Hz to 17.6kHz, -3dB re 1kHz (line input) 125Hz to 17.0kHz, -3dB re 1kHz (microphone input)
Total Harmonic Distortion:	<1% (1 kHz, nominal deviation, line or microphone input)
From Master Input	8p8c RJ45 connector input provides 48VDC 0.4A power, baseband RF, and a bi-directional RS-485 bus for control and status communications.
Slave Extension Cable:	CAT-5ee (or better) cable, maximum 100' length, with RJ-45 8P8C male connector on each end, TIA568B
Slave Status Indicators (on "to slave" jacks):	Green: Power/Unit Status Yellow: Transmit/Cable Status
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

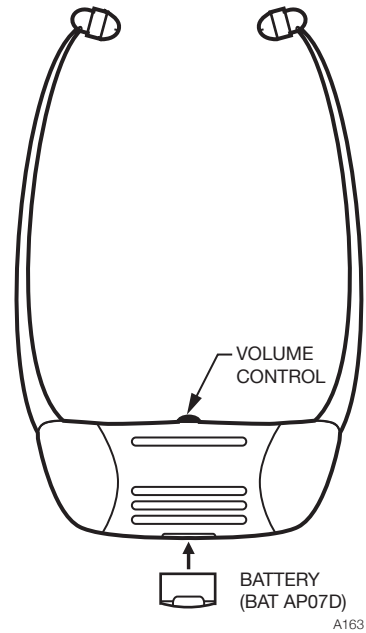
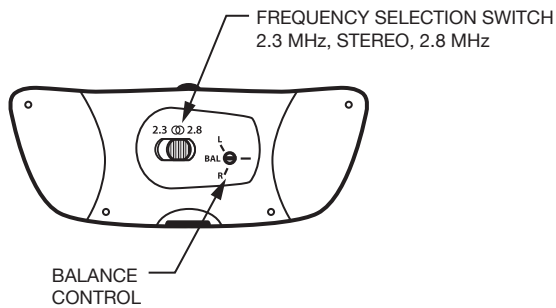


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WIR RX18 Receiver

Weight:	2.0 oz (56 g) with battery
Material and Color:	ABS plastic, Black and Grey
Battery Type, Life:	BAT AP07D NiMH Battery Pack, 7 hours
Operating Range:	up to 3,063 sq ft (285 sq m) when used with the TX9 emitter or TX90 transmitter in single-channel mode up to 2,000 sq ft (186 sq m) when used with the TX75 in single-channel mode
Modulation Frequency:	2.3 MHz or 2.8 MHz or stereo
Frequency Response:	200 Hz to 8 kHz, ± 5 dB
Signal to Noise Ratio:	60 dB at 10 m
Controls:	Volume control thumbwheel 3-position selection switch (2.3 MHz, 2.8 MHz, stereo)
Acoustic Output:	120 dB MAX SSPL90 with 2 cc coupler
Compatibility:	Compatible with 2.3 MHz and 2.8 MHz IR transmitters, WIR TX900 and WIR TX925 systems
Battery Charger:	CHG 518
Power Switch:	Built into receiver "arms"
Ear pads:	Uses EAR 240 silicon eartips
Approvals:	CE, RoHS
Warranty:	5 years (90 days on battery)



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Bid Specs

WIR TX75/b

The Williams Sound WIR TX75 Infrared Transmitter shall consist of an all in one modulator and emitter operating on 2.3 MHz and/or 2.8 MHz. The TX75b shall operate on 3.3 MHz and/or 3.8 MHz. The carrier frequency shall use 50 kHz deviation and 50 μ S 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 to supply power and baseband signal to two WIR TX75-S slave emitters via CAT-5e cable. 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, 24W.

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

This Transmitter shall be the Williams Sound model WIR TX75.

WIR TX75-S

The Williams Sound WIR TX75-S Infrared slave emitter is designed to work with the WIR TX75 Infrared Transmitter.

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

It 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. It shall have the ability for mounting on an omni-directional mounting bracket or a linking bar to mount above or below the TX75 Transmitter. It shall have a removable front bezel.

The TX75-S shall have a single CAT-5e input which shall deliver both power and baseband signal from the TX75 Transmitter. It shall have a green LED indicator showing when power is received from the TX75 Transmitter and a yellow LED showing audio is being received from the TX75.

There shall be a switch on the back to turn off the indicator LED's if desired.

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

This Infrared Emitter shall be the Williams Sound model WIR TX75-S.

WIR RX18

The receiver shall be an under-chin stetho style with an IR detector lens in the face of the unit. The receiver shall have a rotary type volume control and the power switch shall be built into the arms of the unit so it will automatically shut off when not in use. The receiver shall operate for seven hours per charge with the BAT AP07D NiMH battery pack. The receiver shall be housed in a black and grey plastic case. The receiver shall have a three position selector switch for 2.3 MHz, stereo or 2.8 MHz modulated IR signals. The receiver shall provide 120dB SSPL90 output. The system electrical frequency response shall be 200Hz to 8kHz and the S/N ratio shall be 60dB at 10m. The receiver shall have CE, RoHS and WEEE approval and be covered by a five-year parts and labor warranty (90 days on battery pack).

The receiver shall be the Williams Sound model WIR RX18.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

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