

INFRARED SPECIFICATION DATA

Cinemas • Simultaneous Interpretation • Audio Description • Conferences • Multi-Media Rooms
Boardrooms • Courtrooms • Schools • Universities • Churches

WIR TX9 DC

Large-area multi-channel infrared emitter



The WIR TX9 DC two channel IR emitter can be used to add IR coverage to an existing infrared system such as the WIR TX90 DC. It produces a wide-angle infrared signal that concentrates the IR energy efficiently in the listening area. By modulating with frequencies from 2.3-3.8 MHz, the WIR TX9 DC is less susceptible to radio and lighting interference. Each WIR TX9 DC emitter can cover up to 30,000 sq. ft. (2,787 sq. m.) in single-channel operation. A mounting bracket is included, and stand kits are available for portable operation.

Large-area multi-channel infrared emitter

WIR TX9 DC Emitter Specifications

Dimensions, Weight:	11.25" W x 6.25" H x 2.125" D (28.6 cm x 15.9 cm x 5.4 cm), 1.8 lbs (0.8 kg)
Color:	Black with white legends, black acrylic lens (optional white enclosure available)
Power Supply:	Desktop-style, universal power supply. Input: 100-240 VAC, 50/60 Hz, 0.6A. Line cord specified by country of use. Output: 24 VDC, 1.0 A, 25W. Barrel connector. 50 ft DC power supply extension cable available (WCA 123).
Carrier Frequency:	Accommodates baseband sub carriers from 2.3-3.8 MHz
Emitter IR Power:	3.5 watts
Coverage Area:	30,000 sq. ft. (2,787 sq. m) in single channel mode when using the RX22-4 Receiver 19,000 sq. ft (1,765 sq. m) in two channel mode when using the RX22-4 Receiver 11,000 sq. ft (1,022 sq. m) in four channel mode when using the RX22-4 Receiver 3,350 sq. ft (311 sq. m) in single channel mode when using the RX18 Receiver
Baseband Indicator:	Red LED
Power Indicator:	Red LED
Auto Carrier Shut-Off:	Turns off LEDs when no baseband is present
Power Input:	24 VDC, 0.8 A
Baseband Input:	BNC, 50 Ω, for use with MOD 232, TX 90, TX 90 DC, TX 9 and TX 9 DC
Baseband Output:	BNC, 50 Ω, for use with TX 9 or TX 9 DC only
Baseband Cable:	RG 58 Coax, BNC Connectors, maximum 1000 ft (300 m) length.
Operating Requirements:	32-122 °F (0-50 °C), ambient temperature, non-condensing, non-corrosive atmosphere
Mounting Kits:	Wall or Ceiling Mount: BKT 024 Omnidirectional mount; Optional: Tripod Stands: SS-11 or SS-6
Warranty:	5 years on transmitter (90 days on accessories)
Approvals:	CE, FCC, RoHS, WEEE
Compatible Receivers:	WIR RX22-4 Four-Channel Receiver WIR RX18 Two-Channel Receiver
Notes:	Specifications: Single end input, volume & tone controls at mid point, 1 kHz, "Music" Preset

Architectural/Engineering Specifications

The emitter shall be contained in a metal enclosure with a shatter-resistant lens.

The emitter shall include an omni-directional mounting bracket for permanent installation and a bracket shall be available for mounting on a floor stand for portable installations.

Each emitter shall be powered by a universal power supply with an output of 24 VDC, 1.0 A, 25 W.

The power connector shall be a barrel style.

The emitter shall have a BNC-type 50 ohm baseband input and 2 BNC-type baseband 50 ohm output jack.

The emitter shall have a repeater circuit to allow multiple numbers of emitters to operate from the baseband signal.

The emitter shall have a visible LED indicator for power and for baseband signal. Carrier frequency is 2.3 MHz to 3.8 MHz.

The emitter shall shut off when the baseband signal is not present.

The emitter shall provide an effective coverage area of up to 30,000 sq ft (2,787 sq m) in single-channel mode and up to 19,000 sq. ft. (1,765 sq. m.) in two-channel mode when using the RX22-4, or RX18 receivers.

The emitter shall be convection-cooled, without fans.

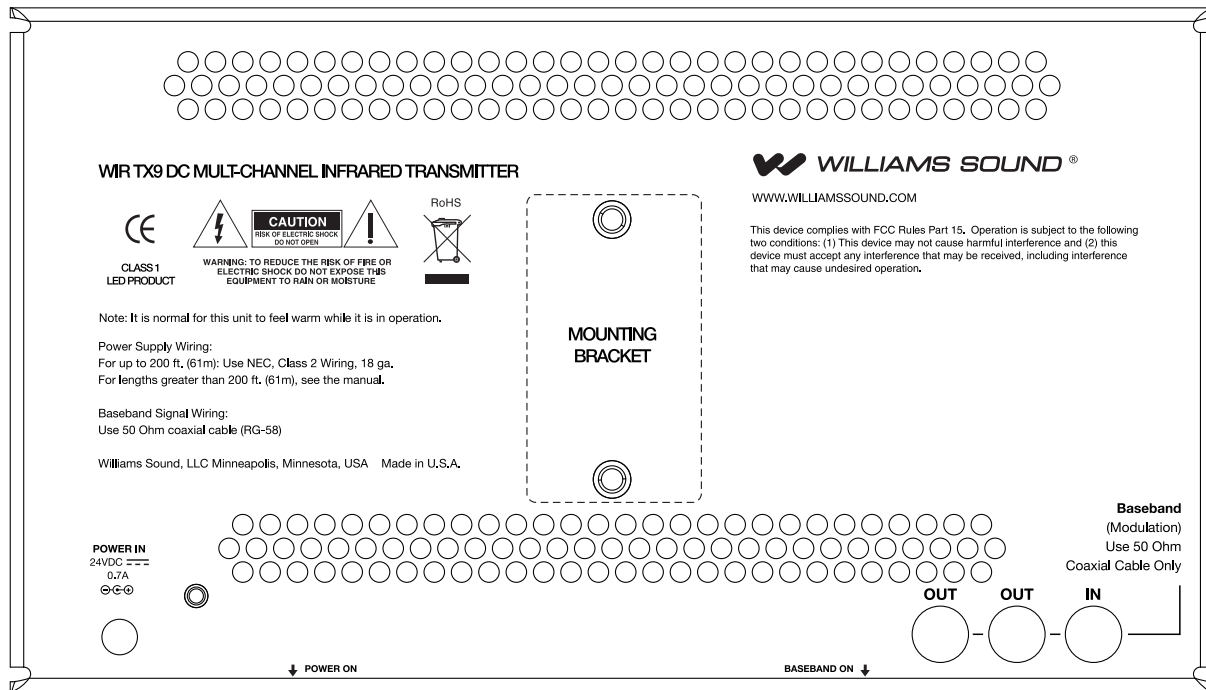
The emitter shall have CE, FCC, RoHS, and WEEE approval and carry a five-year warranty on parts and labor.

The emitter shall be Williams Sound model WIR TX9 DC.

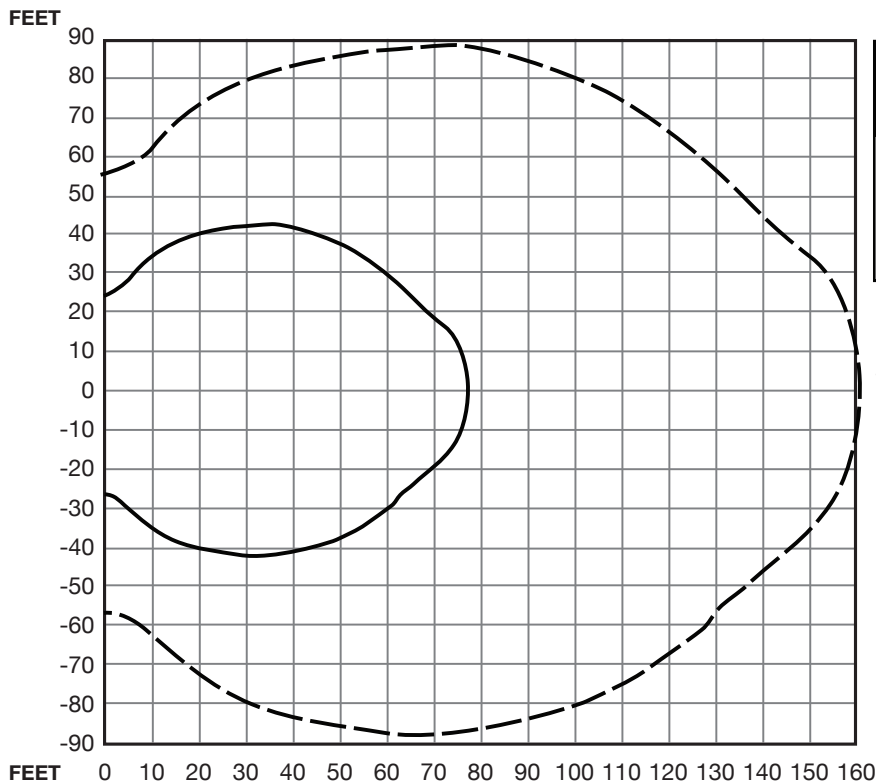
NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

Large-area multi-channel infrared emitter

WIR TX9 DC Rear View



Receiver Coverage Area with WIR TX9 DC Transmitter in Single Channel Mode



RECEIVER COVERAGE AREA WITH TX9 DC OR TX90 DC TRANSMITTER IN SINGLE-CHANNEL MODE

--- RX22-4 RECEIVER

— RX18 RECEIVER

The coverage area for the WIR TX9 DC will vary depending on the receiver being used. The diagram above demonstrates the receiver coverage when operating a single WIR TX9 DC transmitter in single channel mode. Patterns are direct radiation patterns.

Note: Reflections of the infrared light from walls, ceilings and floors may change these patterns.

Large-area multi-channel infrared emitter

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: +1 952 224 7791
Fax: +1 952 943 2174
Email: info-intl@williamssound.com
Web: www.williamssound.com



WILLIAMS SOUND®
HELPING PEOPLE HEAR

800.843.3544 / info@williamssound.com / www.williamssound.com