



• IRMTX750: IR Modulator and Radiator

The **IRMTX750** is a **compact combined modulator and radiator** for infrared assistive listening systems and forms the main transmitter in the Infra~Hear range of products.

Using high frequency modulation at 2.3MHz the Infra~Hear products are immune to interference from energy saving lighting and plasma displays.

Due to its compact design the unit can be discreetly placed in classrooms and meeting rooms, and is the ideal choice for small to medium sized locations, as well as museums and tours where defined coverage is required.

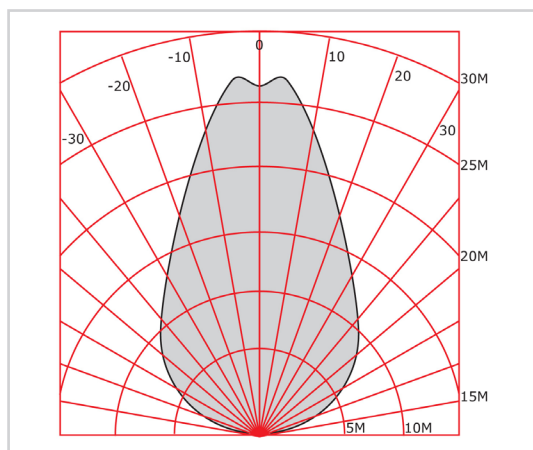
Area coverage can be increased by using up-to four slave units, increasing flexibility.

By using an industry standard universal input, the system can be stand-alone using a microphone (with 12VDC phantom available to allow use of electret types) or connected to the main sound system using a balanced line connection for the highest quality sound.

An Automatic Gain Control (AGC) provides the correct modulation signal over a wide range of audio inputs, ensuring maximum modulation with no overload.

Features:

- 750mW Power covers up-to 100 square metres
- High frequency modulation, free from lighting interference
- Simple installation with included bracket
- Uses standard connectors
- Switchable Mic, Line and Mic with Phantom on XLR
- Switchable VOX operation for power saving
- Slave available for larger area coverage
- 750 mW Power Covers up to 100 Square Metres
- High Frequency Modulation Free From Lighting Interference
- Simple installation with included bracket
- Switchable VOX operation for power saving
- Slave available for larger area coverage



Specifications:

Model:	IRMTX750
Modulation	Wideband FM
Nominal deviation	±50 kHz
Carrier frequency	2.3 MHz
AF input	3 pin XLR
AF input Range	-60dBV to +4dBV
AGC Range	20dB
AF frequency response	30-18,000 Hz
THD (1 kHz, nom. dev.)	<1%
AF signal-to-noise ratio	>60 dB(A) rms
RF output	3.5mm mono jack
Output impedance	approx. 75Ω
IR diodes	10 at 875 nm
Max. coverage area	Approx. 100 m ²
Radiating power	Approx. 750mW
Operating voltage	9V AC / 24V DC
Power connector	2.1mm DC Jack
Current consumption	Approx. 250 mA
Dimensions	78(H) x 132(W) x 38(D) (115 with bracket) mm
Weight (Net)	0.7 kg
Weight (Gross)	0.9 kg