Tel: 0845 430 0546
Email: sales@pas-sound.co.uk
Web: www.pas-sound.co.uk

pas sound engineering

IRMTX750 Infrared Modulator & Radiator

Features:

- **750 mW 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

Modulator & 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.

IRSTX750 Slave Radiator is available to expand coverage in larger rooms.

Max. coverage area approx. 100 m2	**Modulation** wideband FM
Radiating power approx. 750mW	**Nominal deviation** ± 50 kHz
Operating voltage 9V AC/ 24V DC	**Carrier frequency** 2.3 MHz
Power connector 2.1mm DC Jack	**AF input** 3 pin XLR
Current consumption approx. 250 mA	**AF input Range** -60dBV to +4dBV
Dimensions	**AGC Range** 20dB
Height 78mm	**AF frequency response** 30-18,000 Hz
Width 132mm	**THD (1 kHz, nom. dev.)** <1%
Depth 38mm	**AF signal-to-noise ratio** >60 dB(A) rms
115mm with bracket	**RF output** 3.5mm mono jack
Weight approx. 700g	**Output impedance** approx. 75Ω
	IR diodes 10 @ 875nM