

IRSTX750 Slave 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 IRSTX750 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.

Max. coverage area approx. 100 m²

Radiating power approx. 750mW

Operating voltage 9V AC/ 24V DC

Power connector 2.1mm DC Jack

Current consumption approx. 250 mA

Dimensions

Height 78mm

Width 132mm

Depth 38mm

115mm with bracket

Weight approx. 700g

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 @ 875nm