CR-IR3001
IR Radiator
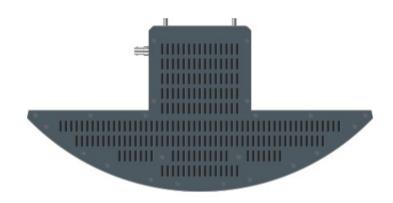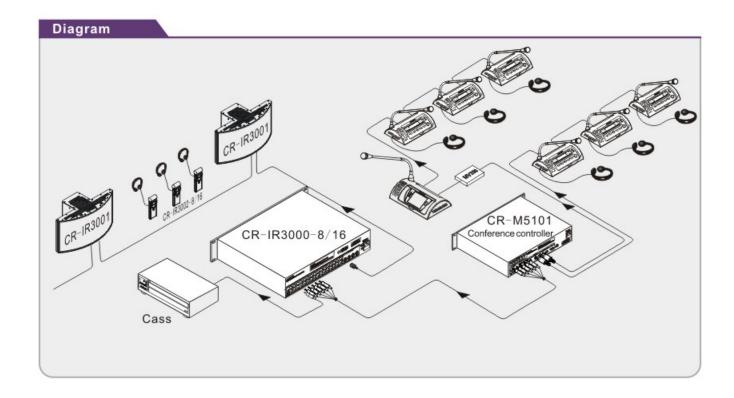
Diagram

↘ Product Function

Infrared radiation unit is high-power infrared radiation equipment used to receive the carrier signal of infrared emission host, and transmit the infrared radiation through 8 / 16 audio distribution channel. They support cascading connection mode, with up to 30 units of overall cascading radiating unit.

In addition, a standby mode will be activated when the radiation unit does not receive the carrier signal. When the temperature of the radiation unit is too high, the system will automatically switch from the full power to half power, then half power switch to the standby mode.

↘ Product features

- Support the automatic gain control, improve the efficiency of infrared emission, infrared transmission frequency (2-6MHz).
- Cable delay compensation
- Efficient infrared emission
- Standby function. The radiation unit will turn into standby mode when it has not received the radiation signal or the radiation mainframe is not emitting signal.
- Radiation intensity halving function: Signal power can be switched lower to suit small environment application
- Cascading connection: 2 BNC connectors, one in one out for cascading connection. Please be noted that the last unit should be connected to the impedance of 75 ohm
- Convenient fallacy detection
- Great heat dissipation structure
- Full compliance with IEC 61603, the standard of Part 7 it's the industrial standards of digital infrared emission of language distribution.
- Support key long press & short press function
- Connection to the radiating mainframe
  Inter-connection
- European Type Power Socket
- Output Socket(2×BNC), used for connecting the next radiator and the next cascading radiating panel

PARAMETER

Power	AC100-240V	Emissive power	36W (option)
Threshold voltage for auto-turning on	50mV RF Signal		
Average emission angle	±25°	Radio frequency	Impedance：10kΩ;Voltage: 100mV－3V
MAX Cover Distance	76M (@36W)	Dimension	452(L)X228(W)X218(H)mm
Weight	7kg	Color	Grey