

IR(Infrared) CAT5 Extender

ITEM NO.: IE01

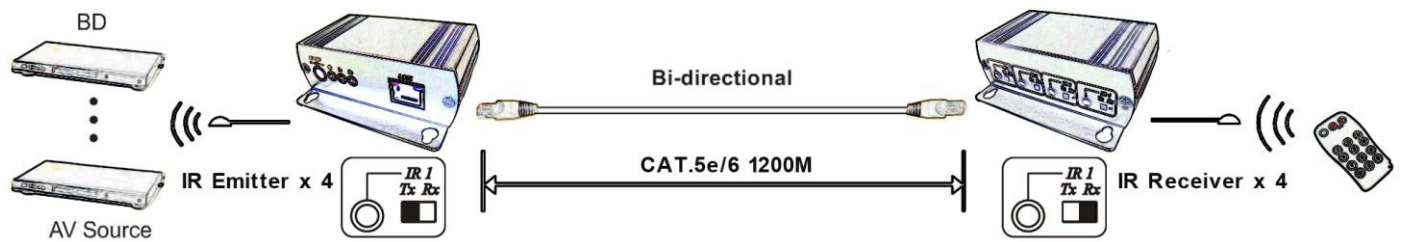


This extender kit allows you to add IR remote control for up to four A/V devices over a single Cat5e/6 cable. Devices can be controlled from up to 1200 meters away. The external power only requested at one side, either at sender or receiver side. 2 sets of IR emitter/receiver cable and one power adapter are included. Suitable for home theatre, lecture theatres, AV rooms, conference rooms, shop window and merchandising displays.

IE01 IR CAT5 Extender

- Extend IR (infrared) control signal up to 1.2KM over one CAT5/5e/6 cable.
- IR receiver frequency range: 30Khz to 60Khz.
- Supports up to 4 inputs/outputs.
- IR transmission only activated single channel (one way) at the same time.
- IR emitter/ IR receiver could be selectable by slide switch.
- External power adapter requested either at transmitter or receiver unit.
- Package include IR CAT5 Extender Kit, 1 x power adapter, 2 x IR emitter cable, 2 x IR receiver cable.
- Option model: IR-CT01 IR emitter cable, IR-CR01 receiver cable.

Installation View:



Slide Switch Operation:

1. DVD at remote side, IE01 Receiver unit move the slide switch to RX and connect IR receiver cable. IE01 Transmitter unit move the slide switch to TX and connect IR emitter cable.
2. DVD at local side, IE01 Transmitter unit move the slide switch to RX and connect IR receiver cable. IE01 Receiver unit move the slide switch to TX and connect IR emitter cable.

Cable:

Link Cable recommend use high quality Cat.5e. UTP, STP or FTP cable.

Transmission Range:

Working distance up to 1.2KM.

RJ45 pin Define:

Video Link

- | | |
|-----------------|----------|
| 1. Orange-white | 12V |
| 2. Orange | 12V |
| 3. Green-white | GND |
| 4. Blue | RS485 A1 |
| 5. Blue-white | RS485 B1 |

- 6. Green GND
- 7. Brown-white RS485 A2
- 8. Brown RS485 B2

LED Indication:

- GREEN Power on/off
- BLUE IR signal receiving
- RED IR signal emitting

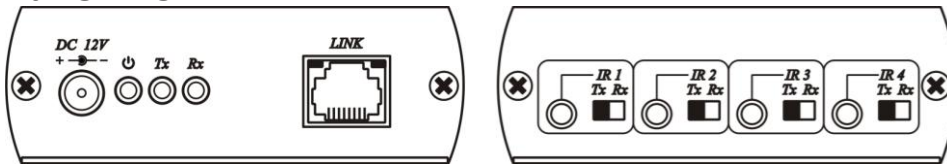
RJ45 LED Indication:

- GREEN on: With External power adapter (Power Master)
- ORANGE on: Without external power adapter (Power slave)

Caution:

Do not put IR emitter cable near the IR Receiver cable that may cause IR not working.

Panel View:



Specification:

| ITEM NO. | IR Emitter | IR Receiver |
|-----------------------------|---|-------------|
| IR | 3.5mm Phone Jack x 4, use slide switch to setup TX/RX | |
| IR Carrier Frequency | 30KHz ~ 60KHz | |
| Extender Distance | 1.2KM | |
| IR Operating Distance | 7 M | 8 M |
| IR Operating Angle | ± 30 deg | ± 55 deg |
| Power Supply | 12V 0.5A | |
| Power Consumption | 100mA (Max.) | |
| Dimensions mm | 88 x 75 x 30 | |
| Weight g | 155 | |



Rev. A