

In-Wall Audio/Video CAT5 Extender with Infrared Manual

SPECIFICATIONS:

Interface:

Video: 1x RCA jack
 Audio: 2x RCA jacks for Left and Right Audio
 UTP: 110-type rear punchdown or RJ-45

Impedance:

Video: 75 ohm unbalanced
 Audio: 600 ohm unbalanced
 UTP: 100ohm balanced

Bandwidth:

Video: DC~12 MHz
 Audio: 50 Hz~15 KHz

Distance:

Audio/Color Video: Category 5e UTP cable up to 300 meters

- Use caution when handling or installing any computer, telephone, video, or electrical devices.

INSTALLATION

For RJ45

1. Connect the **Extender** using Cat5 UTP cable (Purchased separately). The Cat5 UTP cable, if purchased in bulk, will be wired using 568A or 568B wiring standard as shown in the table blow.
2. Fasten insert and wallplate to electrical box using supplied screws.

For 110-type IDC

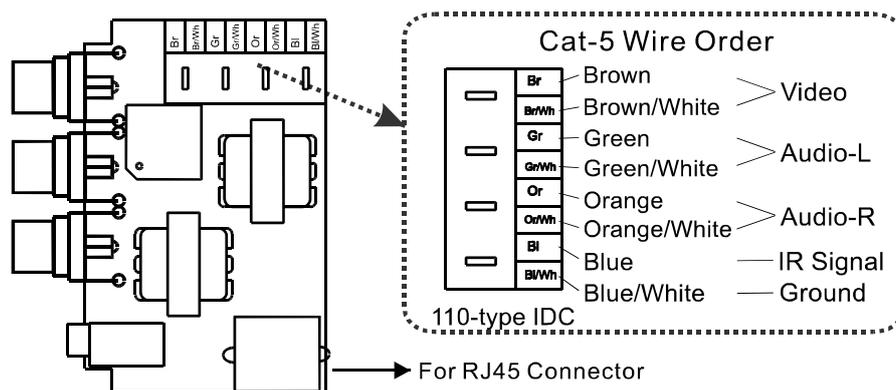
1. Strip off approximately 5cm of the Category 5e cable jacket, using the appropriate cable stripping tool.
2. Separate the pairs according to color (Brown/Brown-White, Green / Green - White, and Orange /Orange-White).
3. To terminate, place each wire into the insulation displacement contacts (IDC) by matching the wire color with the applicable colors on the punchdown block (see the figure below).

TIP: We recommend untwisting the pairs no more than 3cm from termination point.

4. If using a 110-type punchdown tool, place the tool over each wire with the cutting blade facing outside of the IDC and punch down firmly.
5. Repeat this process with each pair.
6. Install included termination caps firmly onto the IDC.
7. Fasten insert and wallplate to electrical box using supplied screws

IMPORTANT

- Do not route audio/video cables through the same cable holes as the AC power cables.
- For safety, all audio/video cables should be separated from parallel AC power lines by at least 15cm whenever possible.
- Avoid kinking the cable.
- Do not attach cable tie-downs too tightly. The cable fastening hardware should not compress the cable sheath.
- Do not bend the cable sharply. Be especially careful to dress the cables properly after passing them through a hole as the edges of the hole can compress or even damage the cable sheath.
- Follow all warnings on the products.
- For your safety, do not use this or any electrical product near water (unless specifically designed for wet areas).
- Do not install wiring during thunder and lightning storms.



CAT 5 Wiring Standards

Pin #	EIA/TIA 568A	EIA/TIA 568B
1	White with green stripe	White with orange stripe
2	Green with white stripe or solid green	Orange with white stripe or solid orange
3	White with orange stripe	White with green stripe
4	Blue with white stripe or solid blue	Blue with white stripe or solid blue
5	White with blue stripe	White with blue stripe
6	Orange with white stripe or solid orange	Green with white stripe or solid
7	White with brown stripe or solid brown	White with brown strip or solid brown
8	Brown with white stripe or solid brown	Brown with white stripe or solid brown

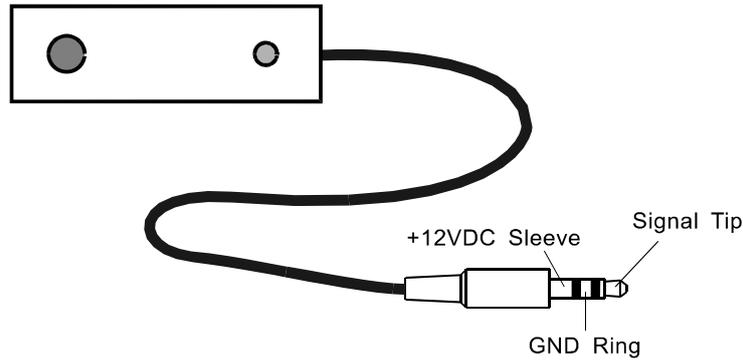
Dual Band Surface Mount Mini IR Receiver

Features

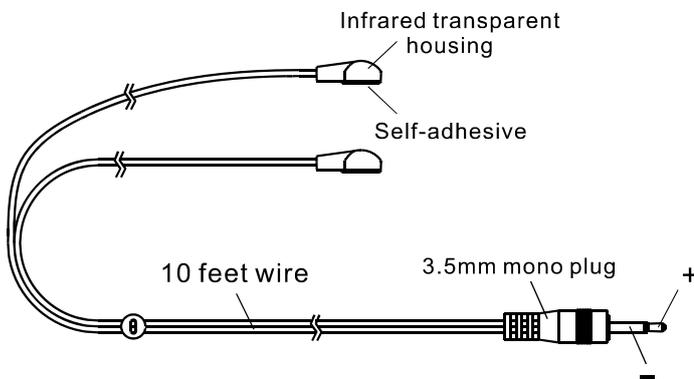
1. CFL friendly—allows installations in areas with compact fluorescent lighting. Works in most lighting environments.
2. Blue IR confirmation LED.
3. Wide band IR receives IR from many types of remotes.
4. Self-adhesive tape for quick and easy fixing on any flat surface.
5. 3 meters cable with 3.5mm stereo mini-plug.

Specifications

Receive Frequency Range..... 34 kHz to 60 kHz
 Transmit Frequencies.....38 KHz & 56 kHz
 Range..... 40ft. @ 38 KHz
25ft. @ 56 KHz
 Power.....12VDC, 31mA max.
 Dimensions.....45L x 14W x 13H mm
 Cord Length.....10ft (3m)
 Connector Type.....1/8" (3.5mm) TRS mini plug
 Weight.....28 g

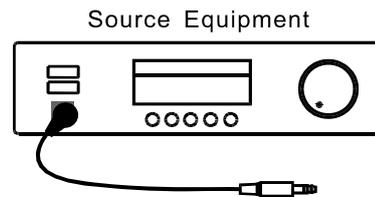


◆ Dual IR Emitter



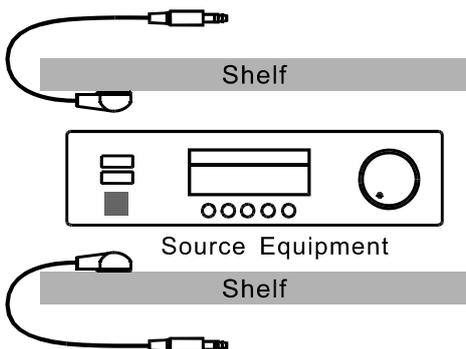
A. Standard installation

1. IR emitter attached directly to IR sensor window.
2. More reliable activated



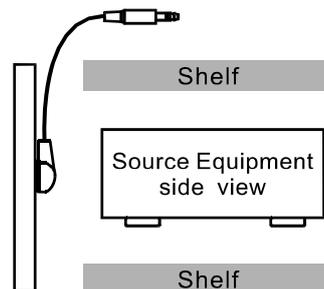
B. Attach emitter at inside of shelf

1. Attach emitter on above or below of the IR sensor.
2. Less reliable activated.

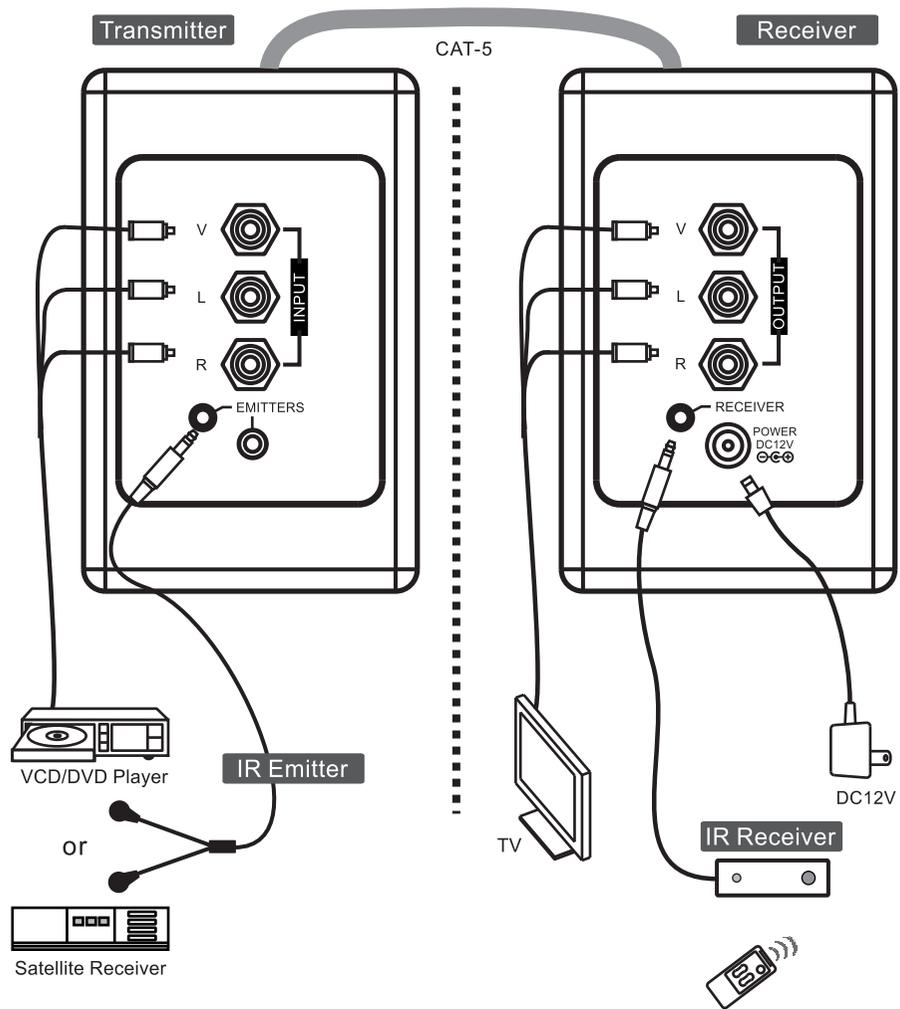


C. Cabinet with door installation

1. Attach emitter on door, round shape facing the IR sensor.
2. Less reliable activated.



Basic Setup



Advanced Setup

