SPECIFICATIONS:

Interface:
Video: 3x RCA (Y/Pb/Pr) female connectors
110-type rear punchdown

Impedance:
Video: 75 ohm unbalanced
UTP: 100ohm balanced

Bandwidth:
Video: DC~60 MHz

Distance: Over Category 5e/6 UTP cable:
- 480p video, up to 100 meters (total length, device-to-device)
- 720p video, up to 75 meters (total length, device-to-device)
- 1080i video, up to 50 meters (total length, device-to-device)

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 6 inches 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.
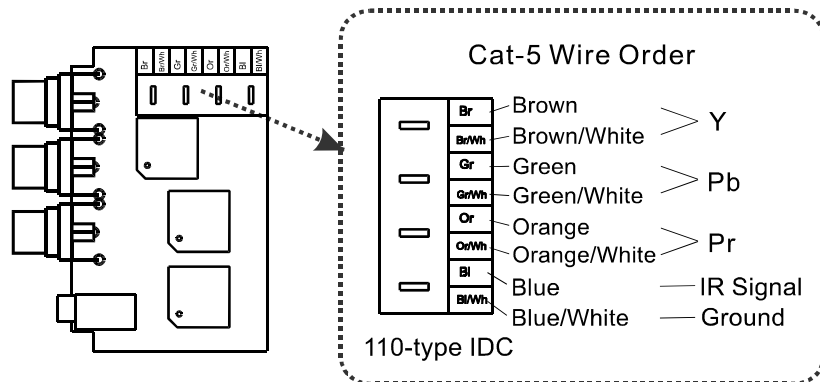
- Follow all warnings on the products.
- For your safety, do not use this or any electrical product near water (unless specifically designed for wet areas).
- Do not install wiring during thunder and lightning storms.
- Use caution when handling or installing any computer, telephone, video, or electrical devices.

INSTALLATION

1. Strip off approximately 2" 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 1" 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.

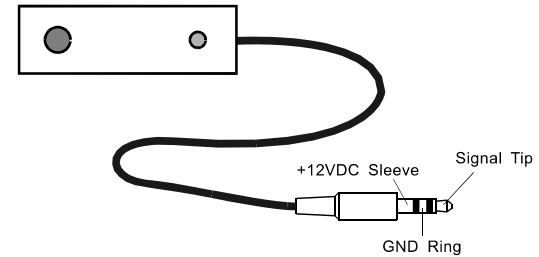7. Fasten insert and wallplate to electrical box using supplied screws.

Cat-5 Wire Order

Br	Brown	Y
Br/Wh	Brown/White	
Gr	Green	Pb
Gr/Wh	Green/White	
Or	Orange	Pr
Or/Wh	Orange/White	
Bl	Blue	IR Signal
Bl/Wh	Blue/White	Ground

110-type IDC

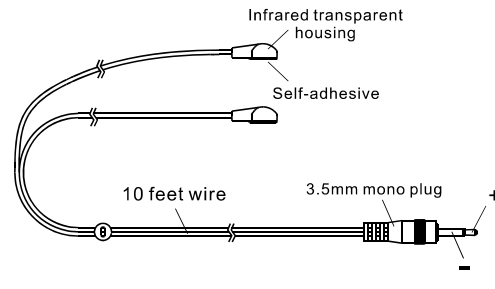## ◆ Dual Band Surface Mount Mini IR Receiver

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

+12VDC Sleeve
Signal Tip
GND Ring

◆ Dual IR Emitter

Infrared transparent housing
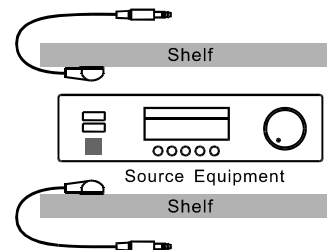Self-adhesive
10 feet wire
3.5mm mono plug
+

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

Source Equipment
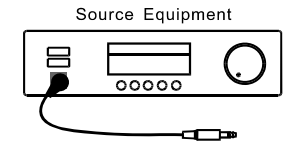
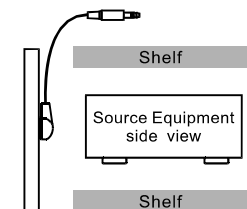### B. Attach emitter at inside of shelf
1. Attach emitter on above or below of the IR sensor.
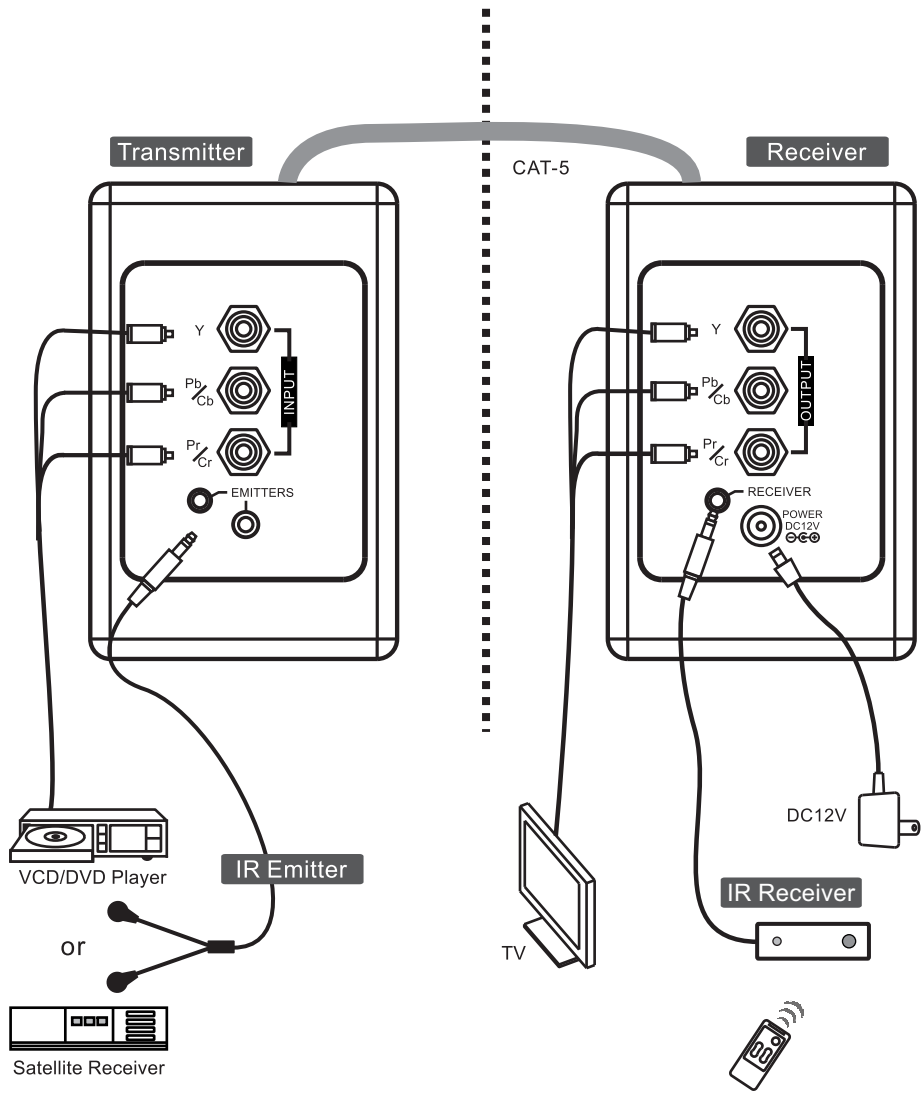2. Less reliable activated.

Shelf
Source Equipment
Shelf

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

Shelf
Source Equipment side view
Shelf

Basic Setup

Transmitter

CAT-5

Receiver

Y

Pb/Cb

Pr/Cr

INPUT

EMITTERS

Y

Pb/Cb

Pr/Cr

OUTPUT

RECEIVER

POWER DC12V

VCD/DVD Player

IR Emitter

or

Satellite Receiver

TV

DC12V

IR Receiver

Advanced Setup

Transmitter

CAT-5

Receiver

Y

Pb/Cb

Pr/Cr

INPUT

EMITTERS

Y

Pb/Cb

Pr/Cr

OUTPUT

RECEIVER

POWER DC12V

AV Selector with IR

Y/Pb/Pr RCA Cable

IR Emitter

DVD Player

DVD Player

Satellite Receiver

IR Emitter

TV

DC12V

IR Receiver