Bi-directional IR extender over cat5

SPECIFICATIONS

FEATURES:

- 2 emitter output connections.
- Convenient IR confirmation LED.
- Power receptacle with LED indicator.
- Bi-directional IR path.
- Single power supply on either TX or RX unit.
- Each device can be TX or RX.

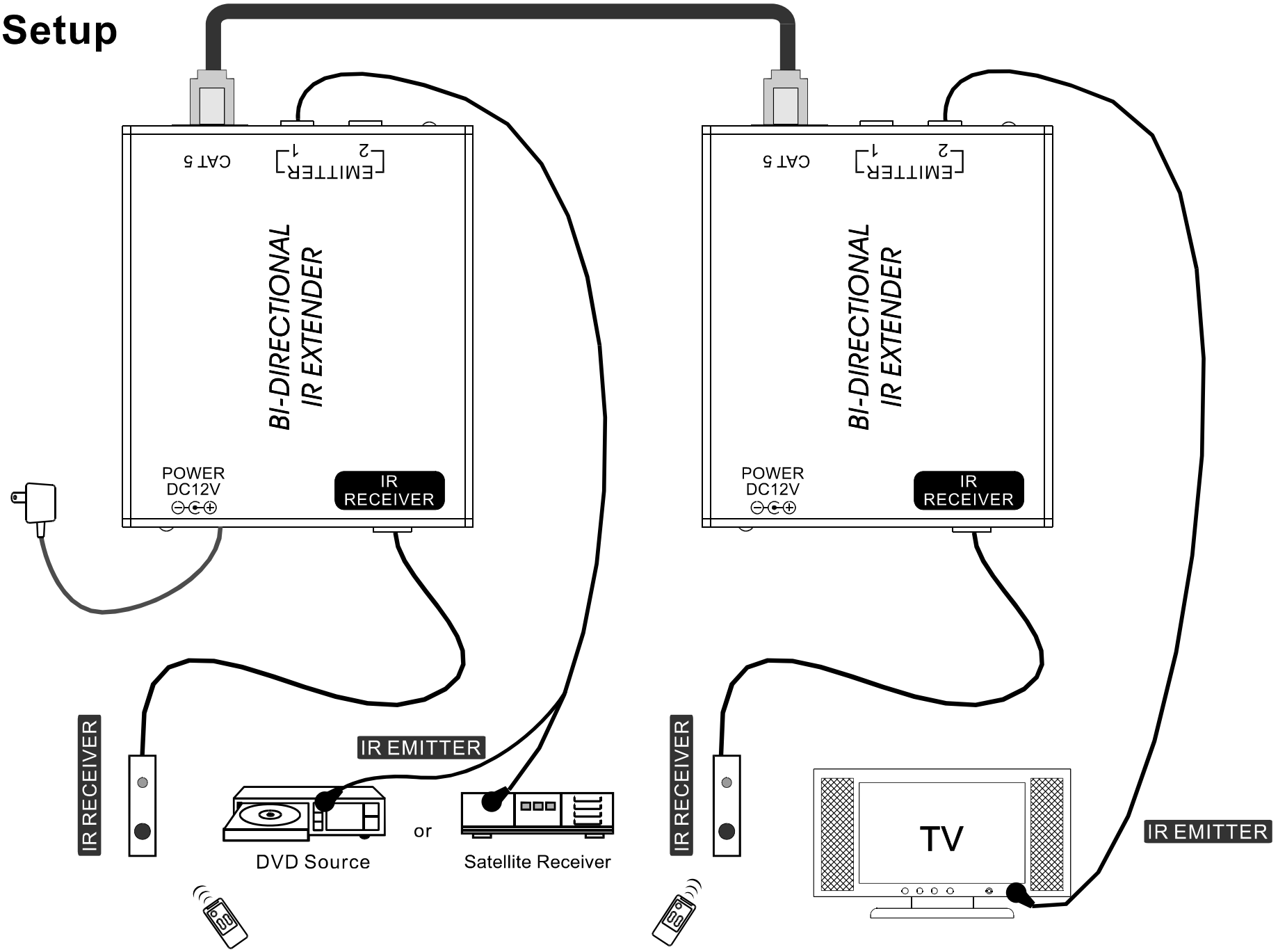
SPECIFICATIONS:

- Distance:Cat5e UTP cable up to 300 meters
- Infrared Receiver Frequency: 34 kHz to 60 kHz
- Infrared Transmit Frequency: 38 kHz and 56 kHz
- Range : 40ft. @38kHz. 25ft. @56kHz.

Power & Dimensions:

- Power: 12 VDC, 200 mA
- Size (LxWxH): 75 mm x 64 mm x 29mm

Basic Setup


CAT 5
EMITTER
2
1
BI-DIRECTIONAL
IR EXTENDER
POWER
DC12V
IR
RECEIVER
IR RECEIVER
IR EMITTER
DVD Source
or
Satellite Receiver
CAT 5
EMITTER
2
1
BI-DIRECTIONAL
IR EXTENDER
POWER
DC12V
IR
RECEIVER
IR RECEIVER
TV
IR EMITTER

◆ IR Receiver

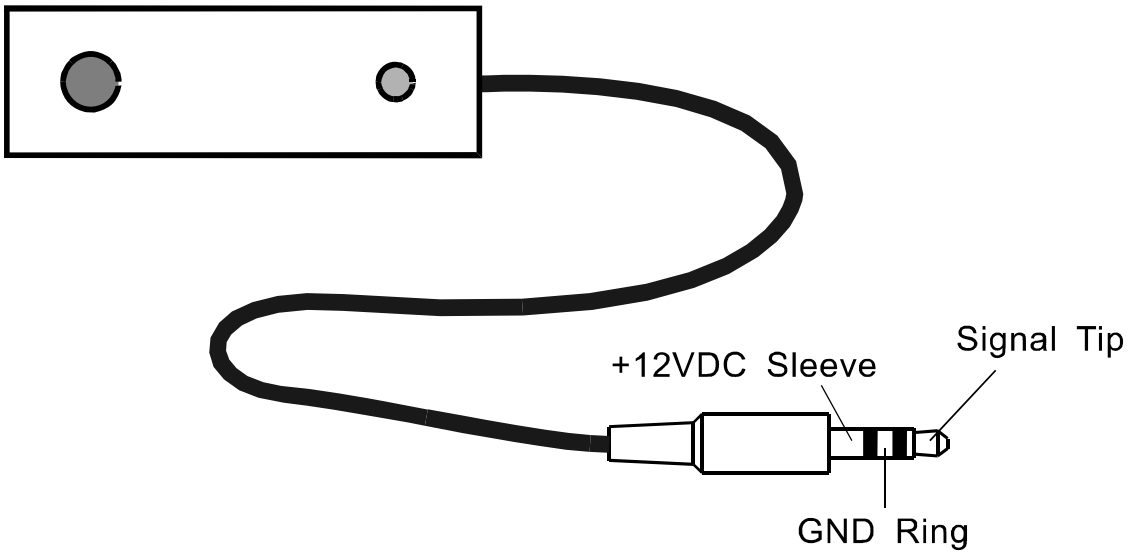
Features

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.

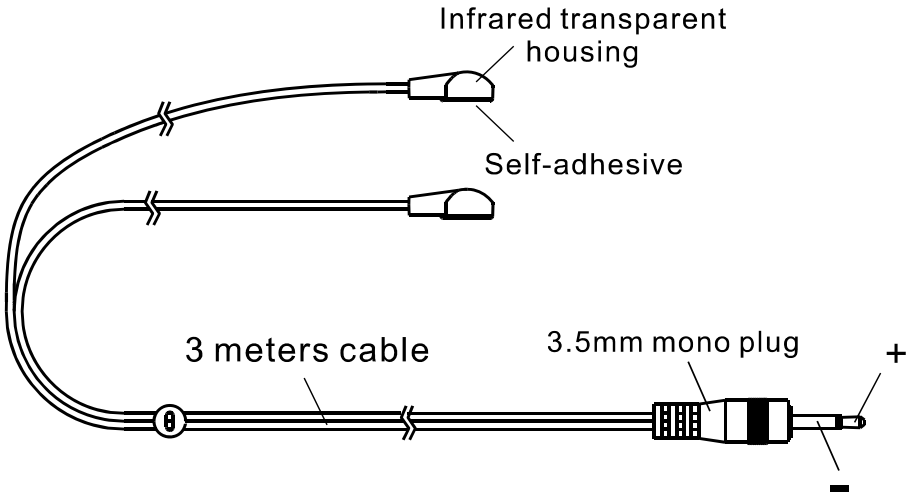
Specifications

Receive Frequency Range……..…34 kHz to 60 kHz
Transmit Frequencies……..……38 KHz & 56 KHz
Range…….... …….40ft. @ 38 KHz
..... 25ft. @ 56 KHz
Power……12VDC, 30mA max.
Dimensions……45L x 14W x 13H mm
Cord Length……10ft (3m)
Connector Type……..1/8” (3.5mm) TRS mini plug
Weight……..……28 g

Wire connections

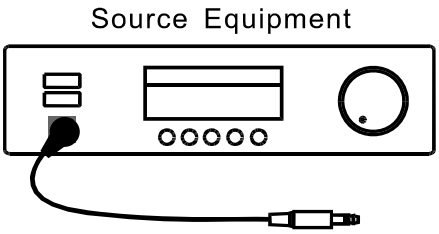


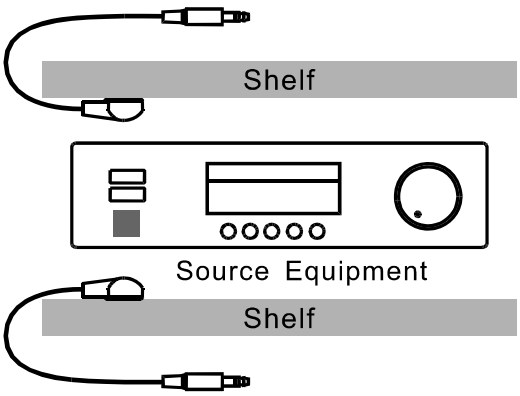
◆ Dual IR Emitter



A. Standard installation

1. IR emitter attached directly to IR sensor window.
2. Most reliable activation



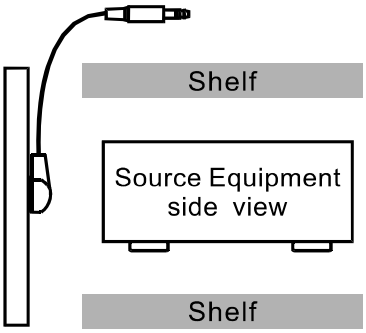


B. Attach emitter on inside shelf

1. Attach emitter on shelf above or below IR sensor.
2. Less reliable activation.

C. Cabinet with door installation

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



Note: Occasionally, more reliable activation can occur by moving the IR emitter further away from the device. This may be due to improper placement of the emitter, or that the sensor itself is partially obscured. It may also be due to a peculiar remote control unit / sensor combination. Placing the emitter 5~10cm away from the IR sensor can achieve significantly better activation in such cases. Please experiment to achieve optimal activation before securing with the self-adhesive pads.