

(1) IR-CONN-BLK IR CONNECTING BOX

Features and Characteristics

- Four emitter output connections
- Status power receptacle with LED indicator
- Power receptacle with LED indicator
- Removable connector for quick connections
- Includes mounting/adhesive for wall mounting

Installation

Power:

Connect a 12V DC 500mA power supply to the power jack. 2.1mm + Tip – sleeve. The green LED will be illuminated when powered. This will power all of the IR components connected to the system.

Status Power:

12VDC 200mA 2.1mm + tip –sleeve. Connecting a power supply to this connection will power the status connection. The green LED will illuminate when powered. This can be from a 12 volt trigger output or from a wall type power supply plugged into a switched outlet of a stereo receiver.

System Connection:

Connect the IR repeaters to the detachable connector printed V+ (12VDC), G(Ground), and IR (Signal).

Emitter Outputs:

Choosing compatible parts such as IR-1-FLASH or IR-2-FLASH (single or dual IR emitter), connect up to 4 emitters to the emitter jacks marked 1-4. Place the emitters directly onto the source equipment's IR sensors (up to 8 units).

Mounting:

Mount /adhere IR-CONN-BLK near the source equipment that the emitters are attached to.

(2)IR-REP-36/56K IR RECEIVER

The dual-band 38 KHz & 56 KHz IR employs a DSP circuit that is designed specifically for installation near Plasma, CFL or EMI devices and eliminates inferences.

Specifications & Features:

- Carrier Frequency: 38K + 2K and 56K + 2K Hz.
 - The standard version of 3 – conductor color-coded cable leads accommodating the connections of V+, G & IR with a DSP circuit is designed to block plasma, EMI noise sources.
 - 2M of cable length from main module to bare lead are provided
 - Typical Control Range: 38 KHz up to 50 feet and 56 KHz up to 30 feet indoor on axis, depending on remote strength and ambient interference and 15 to 20 feet in direct sunlight.
- Reception Angle: Up to 20 foot distance for + / – 45 degree off axis.

- LED display:
Activity LED: When the IR signal is received the from remote controller the Blue LED lights to confirm the IR signal completed the circuit with a terminator or an Emitter.
- IR Lens: rejects visible light interference.
- Preinstalled with the black frame 1 extra pc of each white and silver frames have been included to match the surround of the TV or display.
- Dimension: 63(L) x 11(W) x 10(H) mm
- Power Requirement: DC 12V, (500~1200mA), Using a regulated adaptor is recommended

CODE COMPATIBILITY:

38KHz (BR) - CODE

| | |
|---------------------|---|
| NEC Code | ◆ |
| RC5 Code | ◆ |
| RC6 Code | ◆ |
| RCMM Code | ◆ |
| r-step code | ◆ |
| RCS-80 Code | ◆ |
| R-2000 Code | ◆ |
| RCA Code | ◆ |
| Sharp Code | ◆ |
| Sony 12-bit Code | ◆ |
| Sony 15-bit Code | ◆ |
| Sony 20-bit Code | ◆ |
| Zenith Code | ◆ |
| High Data Rate Code | ◆ |
| XMP code | ◆ |
| Grundig code | ◆ |

56KHz(DX) - CODE

| | |
|-------------------------|----|
| NEC Code | ◆◆ |
| RC5 Code | ◆◆ |
| RC6 Code | ◆◆ |
| RCMM Code | ◆◆ |
| r-step code | ◆◆ |
| RCS-80 Code | ◆◆ |
| R-2000 Code | ◆◆ |
| RCA Code | ◆◆ |
| Sharp Code | ◆◆ |
| Sony 12-bit Code | ◆◆ |
| Sony 15-bit Code | ◆◆ |
| Sony 20-bit Code | ◆◆ |
| Zenith Code | ◆◆ |
| High Data Rate Code | ◆◆ |
| Disturbance Suppression | ◆◆ |
| XMP code | ◆◆ |

NOTE:

| | |
|---|---------------------------|
| ◆ | Suitable for this IR code |
|---|---------------------------|

| | |
|----|---------------------------|
| ◆◆ | Best for this application |
|----|---------------------------|

(3) IR-2-FLASH DUAL BLINKING EMITTER

SPECIFICATION & FEATURES:

- Oval shape & ultra-compact size
- Infrared is built in a transparent housing
- Includes 10' cable length / With 3.5mm mono standard plug
- Includes self-adhesive tape for quick and easy mounting to any hard, clean & dry surface / Status indicator

NOTE:

- Make sure mounting surface is clean and dry for best results.
- Connections of IR emitters directly to power supply's or battery's is not recommended!

Factor Electronics www.factorelectronics.com or info@factorelectronics.com

