Product Brochure

92-180A

6 Port IR Repeater Distribution System
Supports up to 3 IR Receivers

Package Contents:
- 1 x IR Receiver
- 3 x Dual IR Emitters
- 1 x 6 Port IR Distribution Block
- 1 x 3.5mm Male Solderless TRS 3 Screw Terminal Adapter
- 1 x 3.5mm Female Solderless TRS 3 screw Terminal Adapter
- 1 x 12Vdc Power Supply
- 1 x Instruction Manual

Optional-Additional IR Receivers Part No. 92-181
Supports Cisco, Motorola Set Top Boxes

Description

92-180A | IR repeater system extends IR (Infrared) remote control signals from one location to another. The IR receiver is typically located on a TV display and receives IR signals from remote controls up to maximum of 33 ft. and re-transmits them to the 6 Port IR distribution block. The 6 x standard IR emitter ports re-transmits the IR signals to multiple pieces of individual equipment using 3 x dual non-flashing IR emitters. The IR distribution block requires a 12Vdc power supply (included) or can work through the optional USB type 'B' port on 5Vdc, See Diagram 1A. below for typical configuration and hookup. Two Additional IR receiver ports are available for adding two additional IR receivers for multi-room control, Calrad IR Receiver part number, 92-181.

Specifications

IR Receiver:
Frequency Range: 25-60KHz
IR Reception Angle: 90° (+45°/-45° from center)
IR Reception range: ±10 meters
IR Signal Indication: Green L.E.D.
IR Receiver Connection: 3.5mm TRS Stereo Male
IR Receiver Cable Length: 4.5 ft.
IR Receiver Dimensions: L-.985" x W-.55" x H-.355"

IR Emitters:
Connection: 3.5mm plug (mono)
Non Flashing IR LEDs: 3 x Dual IR emitters
Cable Length: 6 ft.
Peak Forward Current: 100mA
Forward Voltage Max: 1.5V
Peak wavelength: 940nm
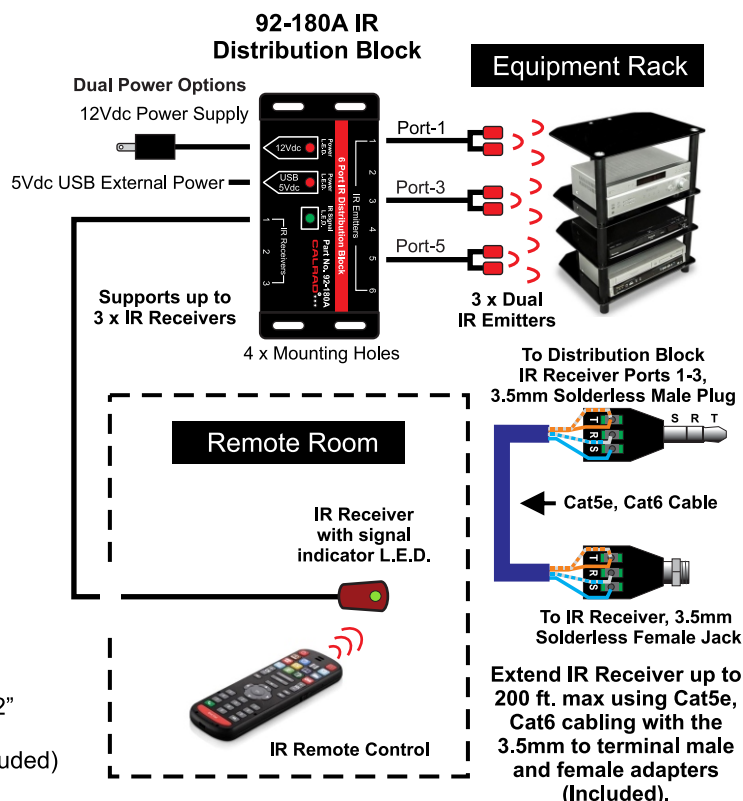**Emitter Dimensions:** L-.50" x W-.32" x H-.21"

IR Distribution Block:
IR Receiver Ports: 3 x 3.5mm Stereo (TRS) jacks
IR Emitter Ports: 6 x 3.5mm Mono (TS) jacks
12Vdc Power Ports: 1 x 2.1mm Female Coax Jack
5Vdc Power Jack: 1 x USB Type 'B' Port
IR Signal Indicator: Blue L.E.D.
I2Vdc Indicator: Red L.E.D.
5Vdc Indicator: Red L.E.D.
IR Distribution Block Dimensions: L-4.29" x W-2.18" x H-1.02"
Chassis: Steel
Mounting Holes: 4 x 0.127" x 0.5" (Mounting Screws Not Included)

DC Power Supply:
Input: AC100-240V, Output:12Vdc/250 mA, DC Plug: 2.1mm I.D. x 5.5mm O.D., Cable length: 6 ft.

Diagram 1A.   **Typical Hookup**

92-180A IR Distribution Block

Dual Power Options
12Vdc Power Supply
5Vdc USB External Power
Equipment Rack
Port-1
Port-3
Port-5
Supports up to 3 x IR Receivers
4 x Mounting Holes
3 x Dual IR Emitters

Remote Room
IR Receiver with signal indicator L.E.D.
IR Remote Control

To Distribution Block IR Receiver Ports 1-3, 3.5mm Solderless Male Plug
Cat5e, Cat6 Cable
To IR Receiver, 3.5mm Solderless Female Jack
Extend IR Receiver up to 200 ft. max using Cat5e, Cat6 cabling with the 3.5mm to terminal male and female adapters (Included).

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