

Product Overview

The C61 is a connecting block device for connecting IR receivers, IR emitters and a power supply. This central control unit features an amplifier circuit for driving up to 4 IR emitters and/or up to 2 high output IR blasters (any combination of 4 total). A 4/P connector and a 3.5mm Quad mini-jack make for easy connection of IR receivers.

Product Features

1. The C61 has built-in amplifier circuit for driving up to 4 IR emitters and /or up to 2 high output IR blasters (any combination of 4 total).
2. Two separate connections are available for IR Receivers: Input 1: Uses a 3.5mm Quad mini-jack; Input 2: Uses a 4/position connector: "V+ (12VDC), G (Ground), ST (Status) and IR (Signal)" Refer to the diagram below for connection. Some IR receivers do not have ST.
3. The "ST OUT" provides status power from 12V trigger output or wall type power supply plugged into the switched output of an A/V receiver.
4. The C61 cable extension distance can provide up to 300M lengths of wire between IR set to C61 system. When switching to "NET ON", the C61 cable extension distance increases up to 400M lengths from IR set to C61
5. NET Amp circuits provide better performance for high data rate of IR codes.

Product Specifications

IR Receiver Connections: Connect the IR receiver to the 4/position connector marked V+ (12VDC), G (GND), ST (Status) and IR (Signal). Note: Select receivers do not offer ST. A 2nd IR receiver connection is available via the Jack marked "IR RCVR". Please refer below for the proper connections.

IR Emitter and/or Blaster Outputs: "See diagram 3". This central control unit features an amplifier circuit for driving up to 4 IR emitters and/or up to 2 high output IR blasters (any combination of 4 total). Either Single and/or Dual IR emitters, connect up to 4 emitters to the emitter jacks marked 1-4. Place the emitters on the source equipment, up to 8 sources available. When connecting the BP10 Blaster only plug them into the jacks appropriately marked and move the switch to the ON position to activate the Blaster output circuitry.

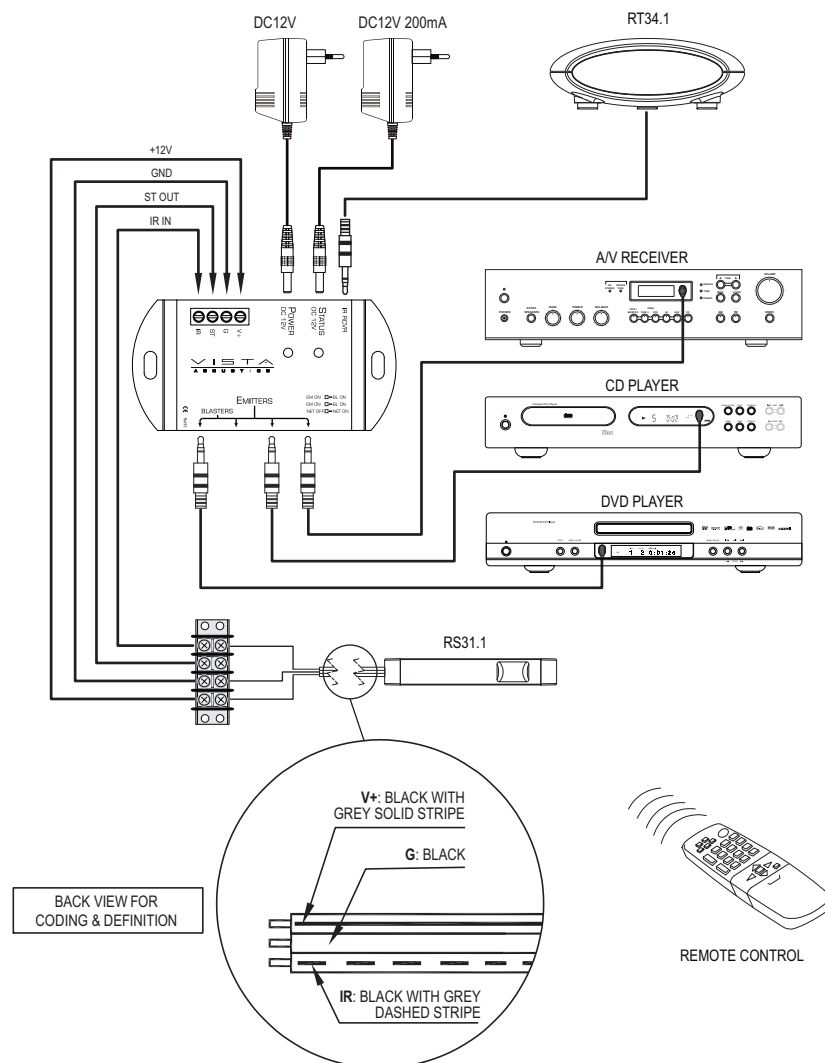
Net On: The NET ON position should be selected when using longer lengths of cable (over 50 feet shielded in particular) between the IR receiver, Keypad, etc. and the C61. This ensures better performance for the IR signal. If you are using two or more C61's, be sure ONLY ONE of C61's is in the "NET ON" position. "See diagram 2"

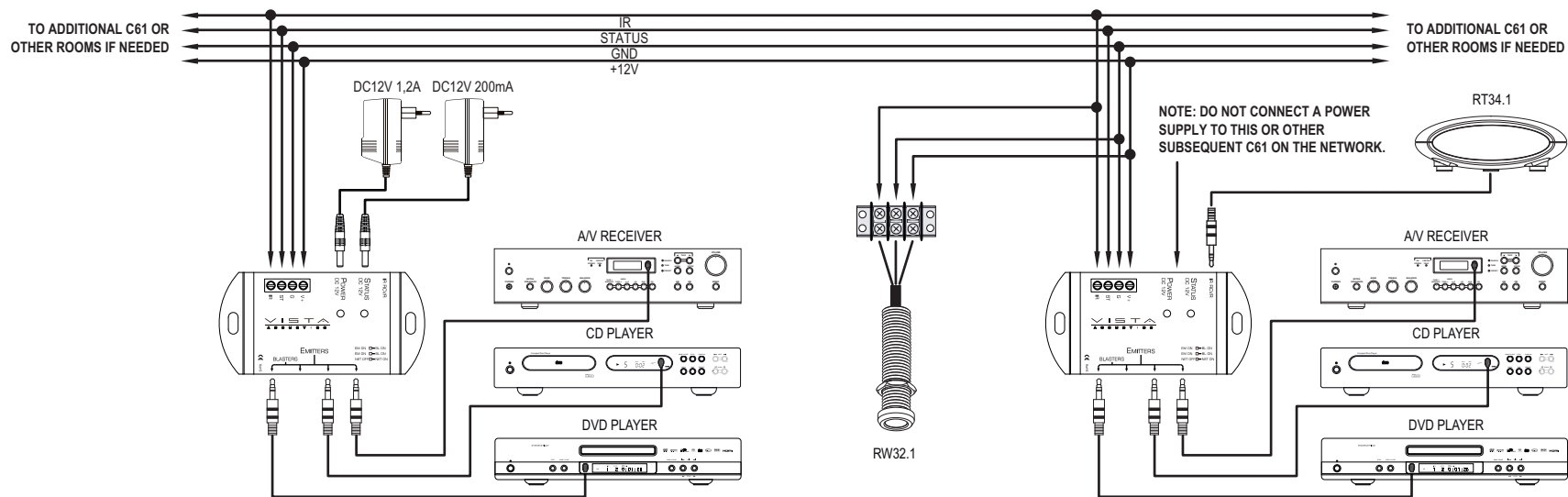
Power: At minimum, connect a Regulated 12VDC/500mA power adaptor for System #1, yet use a Regulated 12VDC/1.2A power adaptor for System Diagrams #2 and #3.

Status Power: A 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 12V trigger output or from a wall type power supply plugged into a switched outlet of a stereo receiver. Note: Not all IR Receivers feature ST (Status) capability.

Mounting: Install the C61 near the source equipment that the emitters are attached to. The C61 can be mounted with double stick tape, cable ties, etc.

System Diagram 1:



System Diagram 2:**System Diagram 3:**