Connection Center - Audio Distribution System Wiring Diagram

ENCLOSURE
20" Rough In Kit (CC-RK0020) or 37" Rough In Kit (CC-RK0037)

Cat5e or 6 Solid Cable

From AC 110-120V Power Source

DC Power Supply
Output: 12VDC 60W
(CC-PS2060)

Cat 5e or 6 Solid Cable
(100 Feet max)

From Audio Sources

L G R L G R

L G R L G R

Input Source

1 2 3 4

L G R

Power

Input Power 12 VDC

IR Activity

IR Emitter

Multi Channel Audio Distribution Module

Output Location

DC Power Jack Center 2.5mm

1 2 3 4

Wiring from the Hub to the Volume Control		
Pin	Function	Lead Color
Pin8	IR signal	Brown
Pin7	Control signal 2	Brown/White
Pin6	Audio In Left	Orange
Pin5	Vcc +12V	Blue/White
Pin4	Power GND	Blue
Pin3	Signal GND	Orange/White
Pin2	Control signal 1	Green
Pin1	Audio In Right	Green/White

TIA 568A

Pin8: Brown
Pin7: White/Brown
Pin6: Orange
Pin5: White/Blue
Pin4: Blue
Pin3: White/Orange
Pin2: Green
Pin1: White/Green

Wiring from input jacks to audio distribution HUB	
Function	Lead Color
Audio Source 2 Left	Brown
Audio Source 2 Gnd	Brown / White
Audio Source 1 Left	Orange
Not used	Blue / White
Audio Source 2 Right	Blue
Audio Source 1 Gnd	Orange / White
Audio Source 1 Right	Green
Not used	Green / White

ZONE 1

L G R

Volume Control (side view)

Volume Control (front view)
(p/n CC-AV1000)

Source Selector
1 2 3 4

Volume

IR Aux

18-20AWG
Speaker wire

L G R G

Left Right

8 ohm In-wall Speakers
CC-AS6500 (6.5") or CC-AS5250 (5.25")

Local audio equipment
(over-rides the source selection)

ZONE 2

ZONE 3

ZONE 4

Step 4: Audio Distribution HUB to Volume Controls (Source Selectors)

Wire a Cat 5e/Cat 6 cable from each output port of the Audio Distribution Module to a Volume Control Module (165 feet max). Terminate each end of the Cat 5e/Cat 6 with an RJ 45 connector (CC-CT0500), following the T568A pin configuration. See the chart above on the pin configuration.

Step 5: Volume Control, speakers, and source selection

Connect one 8 ohm speaker to left (L) and ground (G) and another speaker to right (R) and ground (G). To select an input source from the volume control, press the source selector button on the volume control to cycle from 1 to 4. To connect a local source, plug a 3.5 mm line output into the Aux jack on the volume control. This input will over-ride the source selection.