

Russound Product CAT-5 Wiring Schemes

MOD-VB: Blue Pair. The MOD-VB uses video on pins 4 (video +) and 5 (video -).

VBHD			VBC		
Pin	Color	Use	Pin	Color	Use
1	Green/White	Blue	1	Green/White	L +
2	Green	Blue +	2	Green	L -
3	Orange/White	Ground	3	Orange/White	12 Volt +
4	Blue	Green +	4	Blue	Video -
5	Blue/ White	Green	5	Blue/ White	Video +
6	Orange	12 volt positive	6	Orange	Ground
7	Brown/White	Red	7	Brown/White	R +
8	Brown	Red +	8	Brown	R -

VM1/VMR1 Video Matrix		Compoint ISK1/ISK2	
Video Sync (y)	Brown Pair	Pin	Color Use
Red (Pr)	Orange Pair	1	Green/White Ground
Blue (Pb)	Green Pair	2	Green Status
24V+	Blue Pair	3	Orange/White +15V
		4	Blue Com A
		5	Blue/ White Com B
		6	Orange Ground
		7	Brown/White Audio -
		8	Brown Audio +
*** Please Note: Do not connect to RNET link! The Orange/White can burn out Routed IR or emitters and BLUE pair will interfere with RNET causing No Controller or other erratic behavior			

RAVD1 / RAVE1 iBridge Dock, iBridge Bay RNET Encoders

Pin	Color	Use
1	Green/White	L+
2	Green	L-
3	Orange/White	R+
4	Blue	Com A \
		RNET (default) IR link(if IR is connected)
5	Blue/ White	Com B /
6	Orange	R -
7	Brown/White	Video -
8	Brown	Video +

****Please Note** that if IR is connected to either end of the RAV E1 or D1 RNET is disabled. If the RNET is connected and IR is connected the result is a short circuit of the RNET causing it to fail (see NO CONTROLLER error)

A-Bus Systems

Pin	Colors	Use
1	Brown	24 V+
2	Brown/White	Ground
3	Green	Left +
4	Green/White	Left -
5	Orange	Right +
6	Orange/White	Right -
7	Blue	IR Signal
8	Blue/White	Status

Russound Product CAT-5 Wiring Schemes cont...

MDK, KLK, UNO, KPL, KP6, KP4 series keypads

Pin	Colors	Use	Reusable Notes
1	Green/White	Status IN	No
2	Green	Ground	Yes
3	Orange/White	IR Pass	Yes If reused will not pass thru IR signals
4	Blue	Com A \	No
		RNET	Root NO CONTROLLER error messages
5	Blue/White	Com B /	No
6	Orange	Ground	Yes
7	Brown/White	+12V	Yes Keypad power
8	Brown	+12V	Yes Back lighting on keypad

*** Please Note: If either Power or Ground is Reused to replace a bad wire the existing wire MUST be looped to BOTH 12V or GND connections on the Keypad respectively.

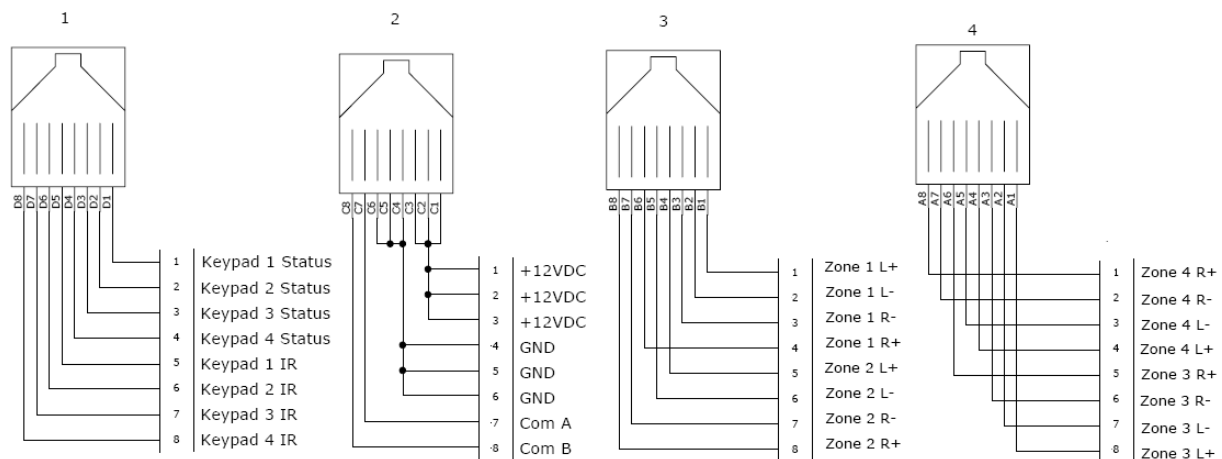
CA Series CA6.4 CA4.4

Pin refers to older style 8 pole screwdown posts – RJ45 should be wired to the T568A standard

Pin	Colors	Use	Reusable Notes
1	Brown/White	Ground	No
2	Brown	IR Signal	Yes/loss of IR pass thru
3	Green	12 V	No
4	Orange/White	Source Select	No
5	Orange	Source Select	No
6	Green/White	Channel Select	No
7	Blue/White	Volume	No
8	Blue	Balance	Yes/ resistors required see tech tip

CA4 to the front of wall port

If you receive a call for trouble shooting, make sure that all 4 CAT5s are connected and that they are connected in the proper order. If they are reversed, voltage can be sent to speakers or the wrong connections on the keypads. Any keypad swapping for troubleshooting should be done on the back of the wall port and not the connections from the controller to the wall port.



Rear of wall port to the CA4-KP

Same as MDK/KLK/UNO shown above