

Russell Systems Inc

Pre-Wire Installation Instructions for RTB-SYS Series of Structured Wiring Products

1. Mount the Structured Wiring Box in a location close to the eventual location of the audio video rack or cabinet.
2. Fasten onto vertical surface making sure there is enough room for all of the wire to easily be pulled into it without stress on the cables.
3. From the first room, pull the speaker wires and control and signal wires into the RTB-B1. Keep speakers on the right side and control and signal wiring on the left.
4. Strip ½" of the speaker wire jacket from the end of the wire.
5. Take a #2.5 flat head screwdriver and insert it into the terminal block spring clamp to open up wire clamp. Make sure you follow the marking tags on the side of the terminal block so rooms are wire together and left and right speakers are wired correctly.
6. Push wire into hole making sure no strands of speaker wire are sticking out.
7. Remove screwdriver and tug on wire to ensure a secure connection.
8. Make a notation on the Wiring Documentation Sheet included in your manual of the correct location of each speaker wire (i.e. kitchen = zone 1, dining room = zone2 etc.)
9. Terminate all control and signal wires with appropriate connectors (cat-5, F-Conn, etc.) and attach them to the RTB-S6 adapter in the correct location.
10. Make a notation on the Wiring Documentation Sheet included in your manual of the correct location of each control and signal wire.
11. Repeat steps 3 thru 10 for each room
12. Secure the RTB-S6 single gang wall plates on the RTB-AB angled bracket inside the RTB-B1.
13. Copy room labels onto "Office Copy" of Wiring Documentation Sheet.
14. After all rooms are done and noted on the wire documentation sheet place it inside the RTB-B1 and secure the RTB-PC cover plate onto the box to protect wires and connectors.

NOTE: The location of each wire is less important then ACCURETLY DOCUMENTING where each wire is mounted, this will save you time when you return to the job for trim out.