



System Initial Test

After completing the hardware installation please complete the following system test to ensure that all hardware and wiring have been completed properly.

TEST EACH KEYPAD:

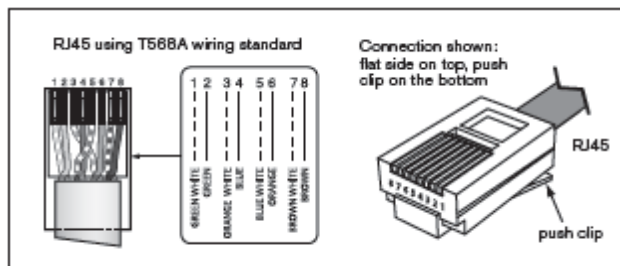
Turn on each keypad. Check to see if the following functions work:

1. When turned on, the keypad should display “HELLO” on the LCD screen
2. On C-series controllers only the built-in tuner is accessible before the controller is programmed. Verify the tuner is accessible via the “Menu” button
3. Press the “volume up” and “volume down” – the volume level should display on the LCD screen
4. C-series controllers should be connected to the LAN. Access the IP Address by going into Home > Settings > Installation > Network

Q: What do I do if my keypad says “Initializing –please wait” or “No Controller” on the LCD screen?

A: The “Please Wait” message indicates that the keypad is not communicating with the RNET controller. Check the following if you have this error:

1. The most typical cause is the RJ-45 termination on the cat5e. Please verify that all RJ-45 is terminated to the T568A standard (see below)
2. Use a LAN tester to check the CAT-5 cable. A broken strand on the CAT-5 wire between the RNET controller and the keypad can result in a “No Controller” message
3. If the keypad has a 110 punch down terminal, verify that the punch down on the rear of the keypad is correct
4. Disconnect all RNET link cables to see if one of the RNET links or one of the RNET source links is causing the problem
5. If all else fails, turn off the controller and remove all keypad wires from the rear (mark the wires first) and test each keypad individually in between reboots



SOUND CHECK:

Turn on all source equipment and make sure all sources are playing in all zones.

Q: What if I cannot hear one or multiple sources when I select them from a keypad?

A: If you cannot hear one or more of the sources, check the following:

1. Make sure the sources are powered on and playing
2. If using a CD or DVD player, make sure you have a disc in the player
3. Check all RCA interconnects on the rear of the RNET controller
4. Make sure speaker wires are properly connected and correspond to the correct zone

CHECK FOR IR PASS THROUGH:

To program and test successfully, make sure you can control all non Russound sources via their original IR remote. Go a zone away from the equipment rack with all IR remotes for non Russound sources (CD player, Cable/Sat box, etc...) to complete the following test:

1. Select the applicable source number for each IR source
2. Point the source's remote at the keypad and attempt to control the source unit

Q: What do I do if I cannot control my source units from a zone with the source's native IR remote?

A: If you cannot control some or all of your sources via IR pass through, check the following:

1. Make sure the source number selected on the keypad corresponds with the source number the IR emitter is connected to on the controller
2. Check the placement of the IR emitter on the front of the source equipment
3. Check any RNET link cables – an improperly terminated RNET link can cause disruption of the IR circuit

4. Disconnect all keypads except for 1 and retest. If IR pass through works, reconnect one keypad at a time and retest after adding each keypad. This will allow you to determine if a particular keypad or CAT-5 run is causing interference with the IR circuit
5. Check for other possible causes of interference, including: Plasma or LCD screens, fluorescent lighting, other IR emitting devices in a zone or electrical or high voltage devices in close proximity to the keypad

LAN CONNECTION FOR IP CONNECTIVITY:

Connect an Ethernet cable to the rear of C-series controllers. After a reboot, access the IP Address by going into Home > Settings > Installation > Network.

Q: What if I do not see an IP address or get an error “DHCP Failed?”

A: Verify the Ethernet cable is connected and the green and amber lights for DHCP on the C-series Ethernet port is active.

1. The most common problems are IP traffic and bandwidth issues. ‘Noisy’ networks suffer from heavy IP traffic caused by streaming Televisions, IP security cameras, IP based DVRs, Computers, IP lighting, etc. This may prevent the C-series controller from finding the network
2. Try to isolate the C-series controller by connecting them both to the router directly
3. Test or swap out Ethernet patch cables
4. Use an IP Scanner app or utility to scan the network for IP conflicts