

Quartet Application Note

Quartet™ Expanding to 8 Zones

This application note addresses installation issues, requirements, and procedures when expanding Quartet to distribute audio to 8 zones.

NOTE: It is important that you plan your installation carefully.

Installation Requirements

To expand Quartet to 8 zones, you will need to split the signal from the source to the 2 Quartet MRPs.

Planning Your Installation: Special Considerations

You can only have 4 sources. You can have intercom and monitoring within the 4 zones connected to each Multi-Room Processor (MRP). You can choose zones 1 to 4 for intercom and monitoring, and zones 5 to 8 for intercom and monitoring. However, you will not be able to use intercom and room monitoring from rooms 1 to 4 to rooms 5 to 8. Audio Ports can be shared between zones 1 to 4 or zones 5 to 8. This means that zone 1 cannot share an Audio Port with zone 5.

Installation Procedures

Connect the cables as follows:

1. Connect the CAT5 cables from the back of the keypad (use connector labeled MRP connector) then connect the other end to the back of the unit labeled R1, R2, R3, and R4.
2. Connect one end of the RCA cables from the audio sources to the Y connector. Split the cable and route the first end of the cable to S1 (top) of MRP 1 and the other end of the cable to S1 (top) to the same connector on MRP 2.
3. Route the second end of the cable to S1 (bottom) of MRP 1 to the S1 connector (bottom) on MRP 2 as shown in Figure 1 on the following page.

The
Ultimate
IP
A/V
Experience

Products Included:

Quartet



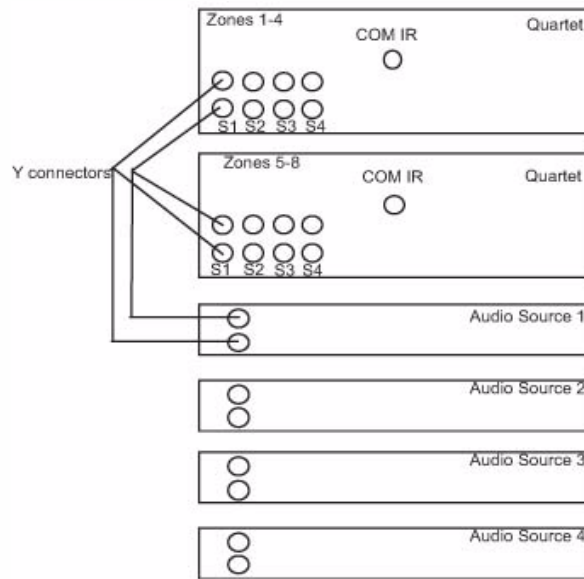


Figure 1 Using Y connectors to connect S1 to the MRPs

4. Repeat step 2 and 3 for S2, S3, and S4.
5. Connect an IR emitter (3.5mm end) from the COM IR port on MRP 1 to the IR receiver on the front of MRP 2 as shown in Figure 2.

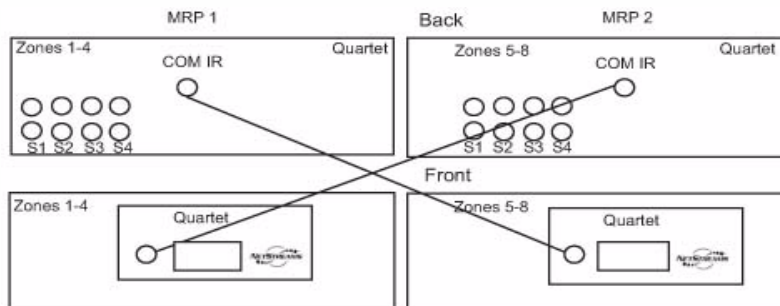


Figure 2 Connecting COM IR to the MRPs

6. Connect an IR emitter (3.5mm end) from the COM IR port on MRP 2 to the IR receiver on the front of MRP 1 as shown in Figure 2.
7. For each MRP, plug the IR emitters into the connectors on the back of the unit IR1, IR2, IR3, and IR4 and position the emitters over the IR receiver on the appropriate source. Split the emitter coverage over the IR window on the source as shown in Figure 3 on the following page.

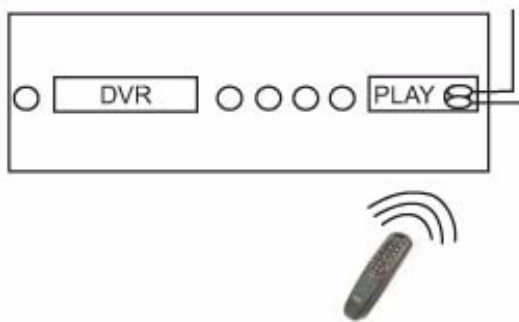


Figure 3 Connecting the IR Emitters to the Source

8. Use 14 AWG to wire 8 pairs of speakers to the 8 included phoenix connectors and plug the connectors into the MRP 1 and MRP 2 under R1, R2, R3, and R4.
9. Connect the power cable to the back of the units.