



### Description:

An RCX Room Combining System allows independent audio systems in up to five separate zones to be combined as one single system or to be combined with one or more adjacent zones.

The funeral home in this example has a public space that may be divided by partitions into two or three separate areas. Each of these three zones is equipped with an RCX-2 Room Control to select between local audio sources or background music, and to adjust speaker volume in the zone. Local mic and/or line-level audio sources connect through the RCX-J3 Audio Input Plate. When partitions are opened, the RCX-5C Controller is used to combine the audio inputs and controls to feed all the speakers in the combined area. The FP-PA20A 20 Watt RMS Audio Power Amplifier drives 70 Volt speakers in each zone.

Parts List	
Product	QTY
FP-PA20A	3
DS-RCX2	3
RCX-5C	1
DS-J3	2
CP-1S	5

Recommended Pwr. Supplies	
Product	QTY
PS-24V3A 24 Vdc 3 A	4

Line Color Key	
<span style="color: red;">—</span>	Line Level Audio Signal
<span style="color: purple;">—</span>	Loudspeaker Level
<span style="color: yellow;">—</span>	Control Signal
<span style="color: blue;">—</span>	Video
<span style="color: green;">—</span>	Mic Level Audio Signal
<span style="color: brown;">—</span>	Ground
<span style="color: orange;">—</span>	Power
<span style="color: grey;">—</span>	Miscellaneous