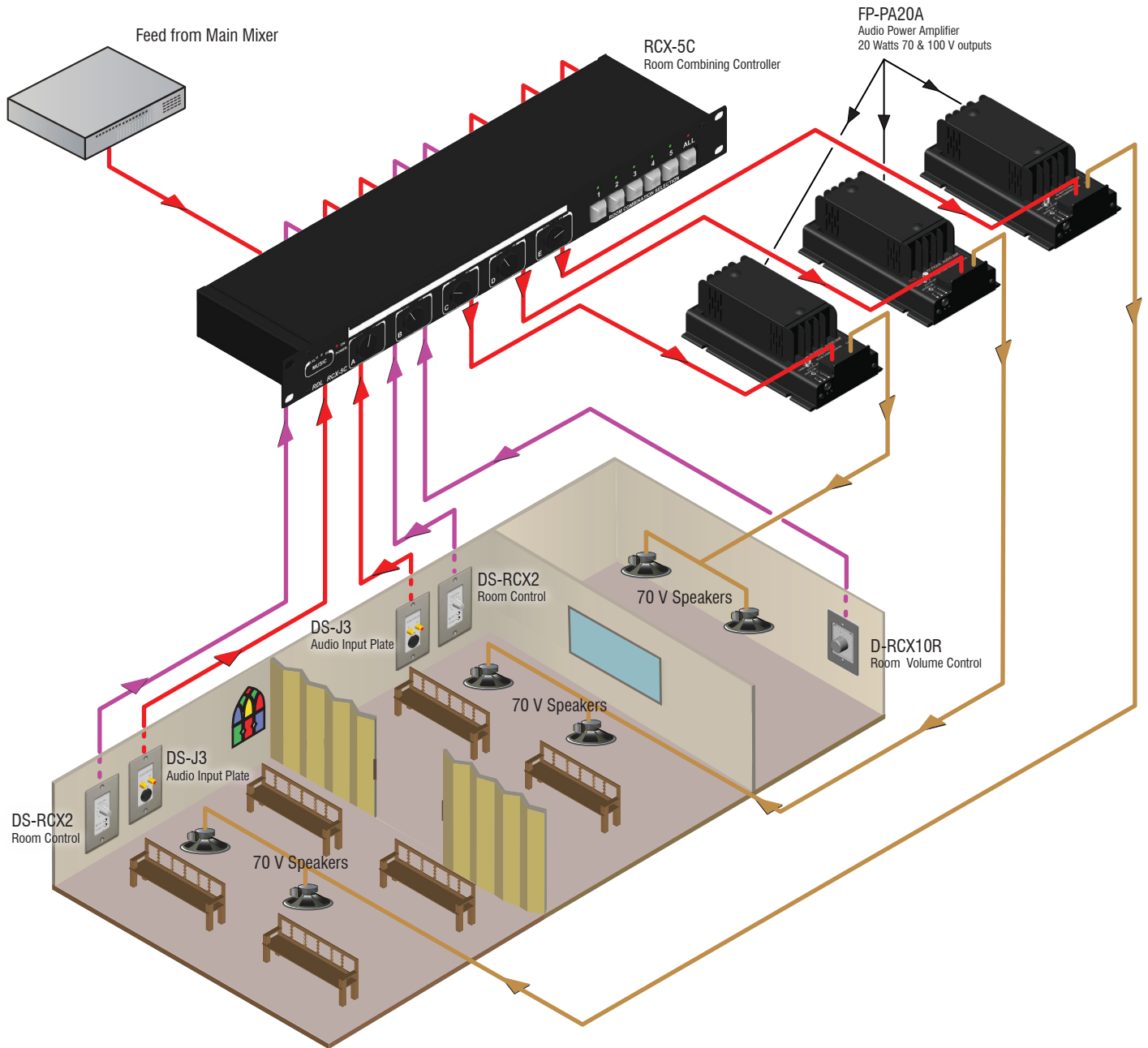


BASIC THREE ROOM COMBINING SYSTEM

Room Combining System with Volume Control



Description:

The RCX Room Combining System allows between two and five separate audio systems to act independently, be combined as one complete system, or be combined in multiple combinations.

Shown in this House of Worship example are three multi-use rooms that are adjacent to the main sanctuary. Each room has its own amplifier system using the RDL FP-PA20A amplifier. Two rooms have local audio sources connected to the RCX-J3 audio input plates. The output of the sanctuary mixer is also fed to the RCX-5C. Two of the rooms are divided with air-walls (retractable walls) which, when removed, create a single larger area. When the rooms combine, so must their associated audio systems. Source selection and audio level control is provided by the RCX-2 room controllers. The third space, separated by a solid wall, does not have a local input plate and only requires audio level control (RCX-10R). The RCX-5C System Controller manages the local input(s) and sanctuary mixer audio allowing the independent audio systems and room controllers to sync up for combined functions or remain separate for independent functions.

Parts List	
Product	QTY
FP-PA20A	3
DS-RCX2	2
RCX-5C	1
D-RCX10R	1
DS-J3	2
CP-1S	5

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

Line Color Key	
Red	Line Level Audio Signal
Brown	Loudspeaker Level
Purple	Control Signal
Yellow	Video
Blue	Mic Level Audio Signal
Green	Ground
Orange	Power
Black	Miscellaneous