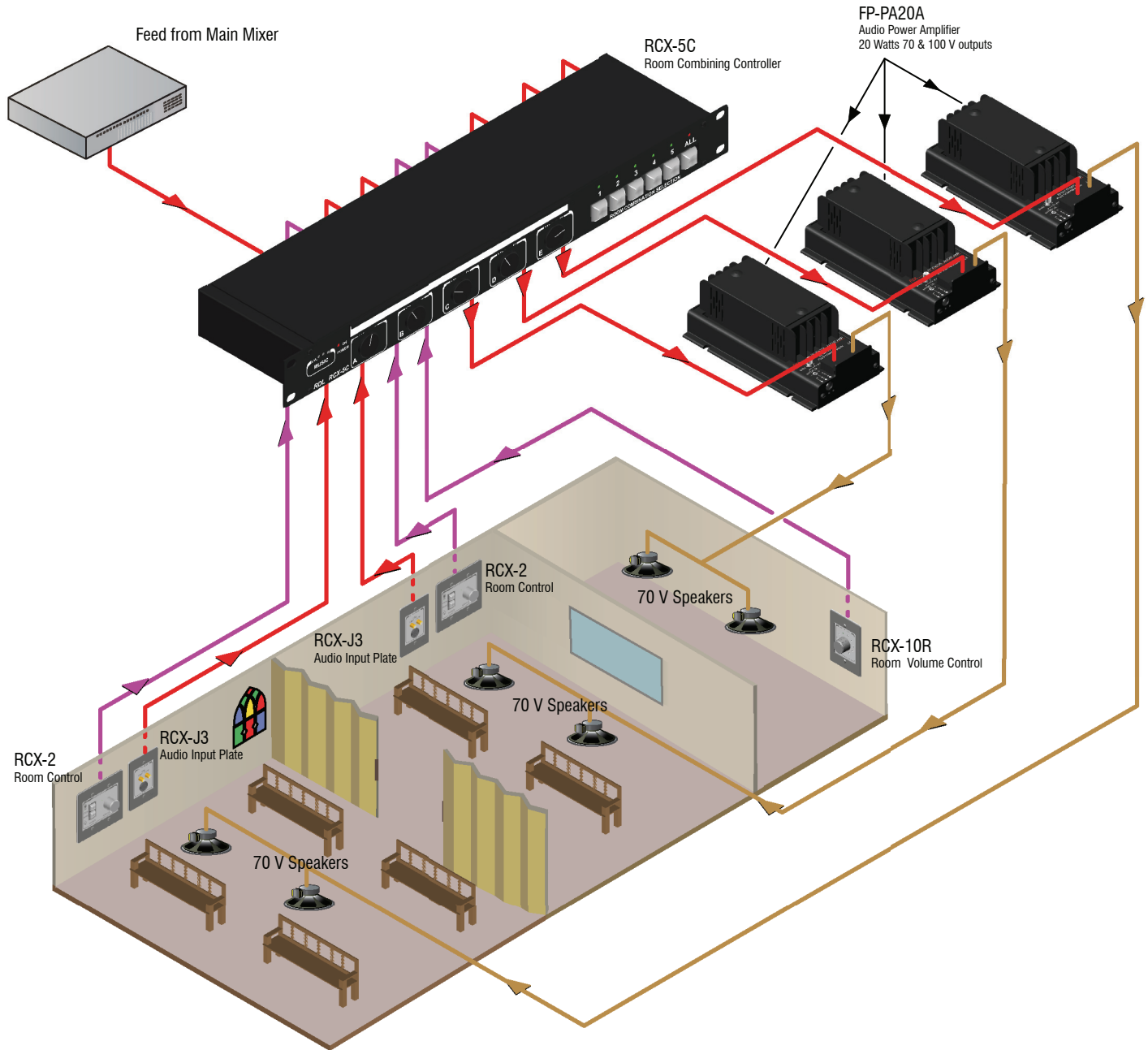


BASIC THREE ROOM COMBINING SYSTEM

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 |
| RCX-2 | 2 |
| RCX-5C | 1 |
| RCX-10R | 1 |
| RCX-J3 | 2 |

| Recommended Pwr. Supplies | |
|---------------------------|-----|
| Product | QTY |
| PS-24U2A 24 Vdc 2000 mA | 4 |

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