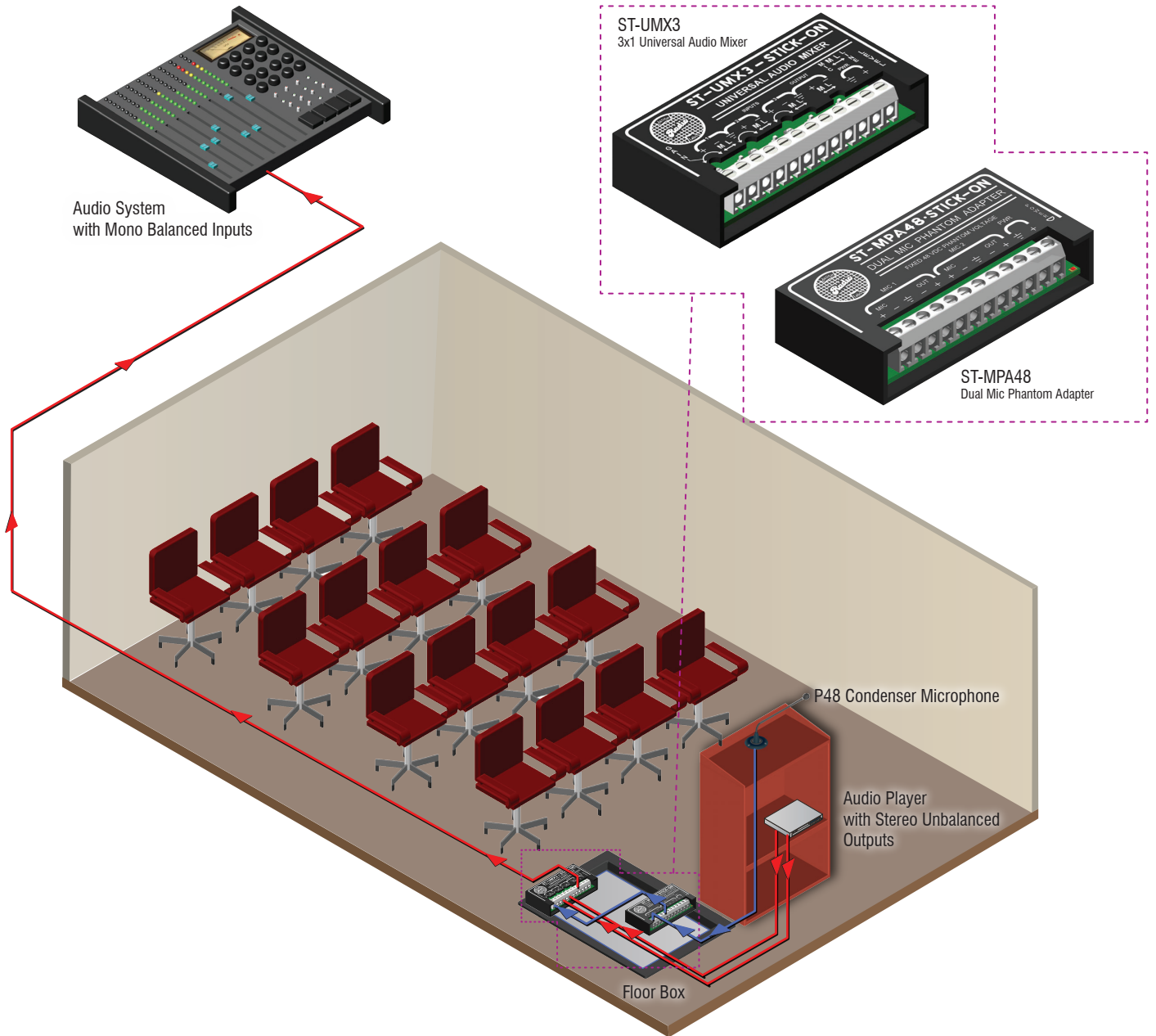


FIXED MIXING OF PODIUM MIC AND LINE INPUTS

Mixing a Condenser Microphone and Stereo Source to a Mono Line



Description:

The sound system in this room is equipped with a mono balanced input from the floor box. When the podium is in use, the presenter uses the condenser microphone and also uses an audio player (or laptop computer) in the podium. The ST-MPA48 provides the P48 phantom voltage for the condenser microphone. The three inputs on the ST-UMX3 Universal Audio Mixer mix the microphone with the left and right unbalanced audio player outputs. The ST-UMX3 provides a balanced mono mic-level or line-level (switch-selectable) feed to the sound system input. The small size of the ST-UMX3 and the ST-MPA48 allows them to be installed in the podium or the floor box.

The ST-UMX3 3X1 Universal Audio Mixer is used to combine signals of different level, impedance or balanced/unbalanced configuration. Each input and the output is switch-selectable for mic or line level. Single-turn trimmers are provided for the gain adjustment of each input.

The ST-MPA48 contains two identical phantom power circuits and a common power supply input. If only one mic input is to be converted for phantom operation, only one circuit needs to be used. Phantom voltage is not present on the output terminals.

Parts List	
Product	QTY
ST-MPA48	1
ST-UMX3	1

Recommended Pwr. Supplies	
Product	QTY
PS-24AS 24 Vdc 500 mA	1

Line Color Key	
—	Line Level Audio Signal
—	Loudspeaker Level
—	Control Signal
—	Video
—	Mic Level Audio Signal
—	Ground
—	Power
—	Miscellaneous