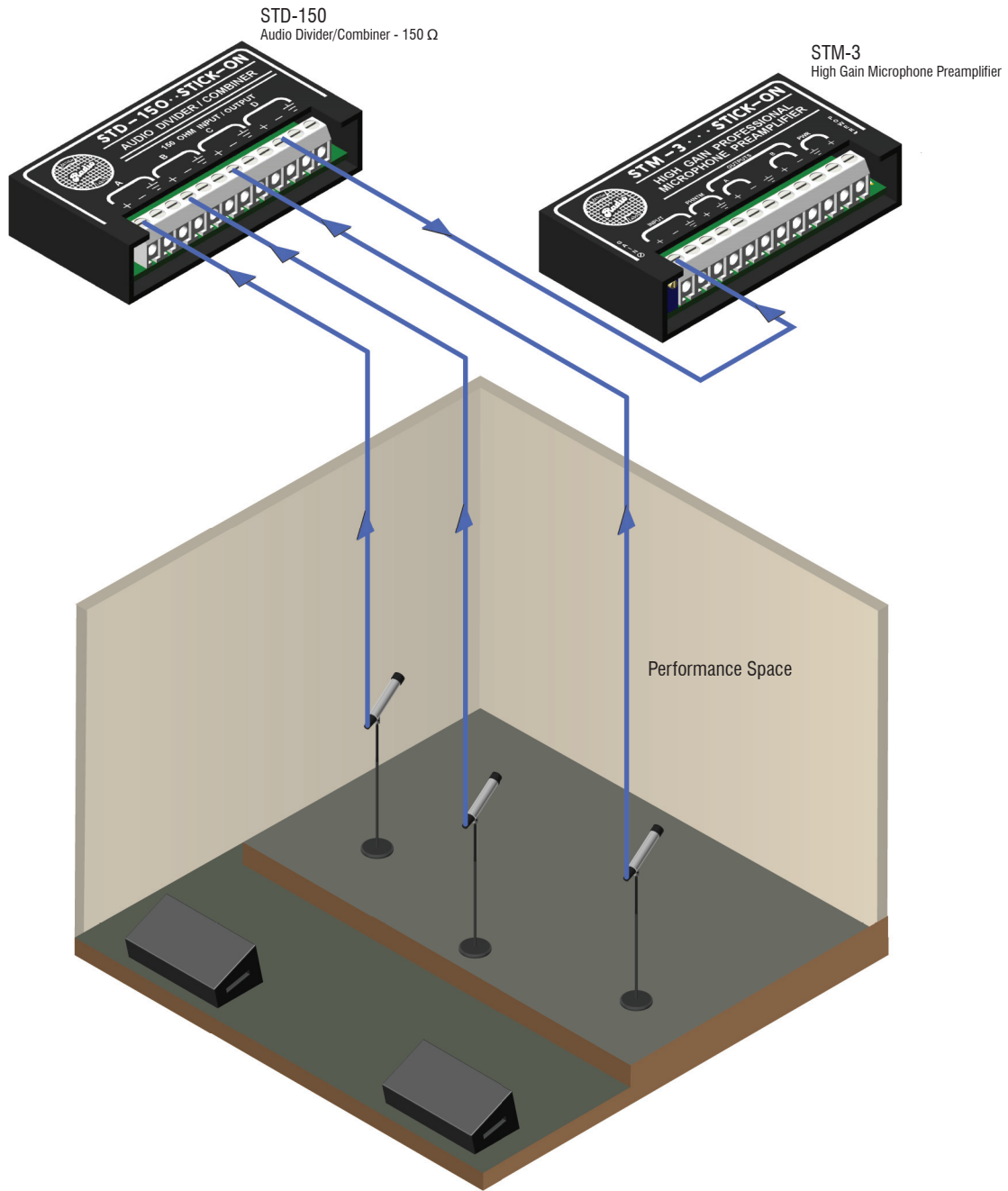


# MIXING THREE PHANTOM-POWERED MICROPHONES

Simple Three Mic Mixing Solution



## Description:

The mixing of multiple phantom-powered mics is often required in various stage or public meeting room installations. The STD-150 mixes the mic signals equally and passes phantom voltage generated by the mic preamp back to each of the mics. Each mic should have the same gain and should operate from a wide range of phantom voltage, as there is a small phantom voltage loss through the STD-150. The STM-3 works well in most applications but for critical, low noise installations the FP-MP1 is recommended. The gain of the three microphones is set on the STM-3. If individual mic gain adjustment is desired, use the RDL FP-MX4 (4 channel ultra-low-noise mixer with switchable phantom and gain for each mic).

Parts List	
Product	QTY
STD-150	1
STM-3	1

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

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