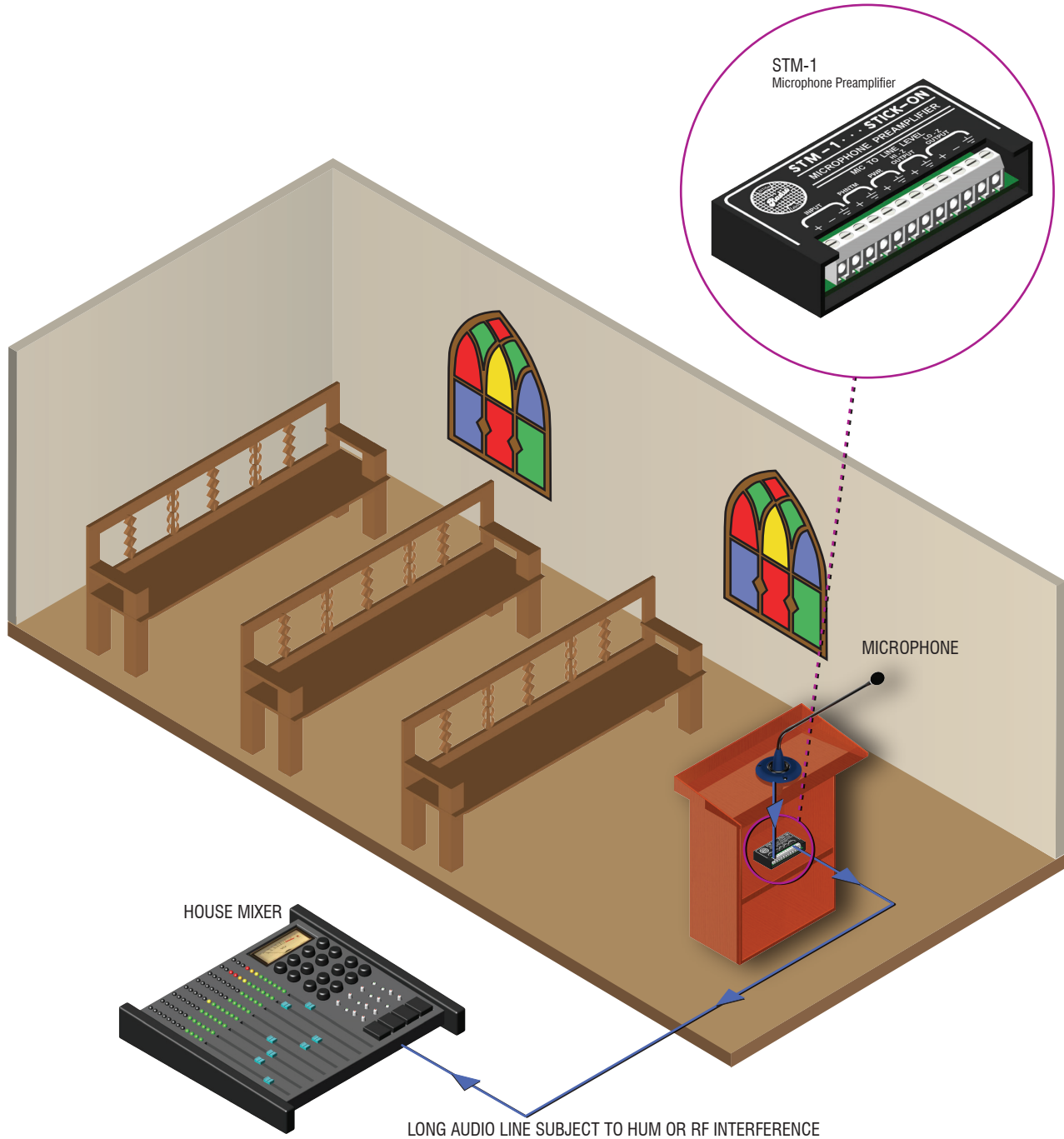


# ECONOMICAL MIC TO LINE LEVEL CONVERSION

Preamplified Microphone Signal Reduces Susceptibility to Interference Over Long Audio Line



## Description:

The STM-1 Microphone Preamplifier is installed near the microphone to boost the mic signal level up to line level. The line-level signal is sent over the long line to a line-level input on the mixer. Potential hum or rf interference induced in the long line is attenuated by 50 dB because the house mixer input is no longer amplifying the input signal from mic level. The STM-1 input accepts balanced dynamic or condenser microphones and applies 50 dB of gain to the signal. The balanced output is used to drive the long line.

Parts List	
Product	QTY
STM-1	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