



### Description:

This system demonstrates how an auxiliary 70 V paging system can override the loudspeakers from a local 70 V background music system (BGM) using the TX-PCR1 Paging Controlled Relay.

In normal operation, the BGM 70 V speaker line will route through the normally closed contacts of the TX-PCR1 to the local 70 V loudspeakers. The auxiliary 70 V system (in this case the Paging/Announcement System) feeds both the 70 V input and the normally open contacts on the relay unit (TX-PCR1). When a signal is present on the auxiliary 70 V line, the relay unit senses the signal and throws the DPDT relay routing the auxiliary amplifier to the local loudspeakers.

Parts List	
Product	QTY
FP-PA20A	1
TX-PCR1	1

Recommended Pwr. Supplies	
Product	QTY
PS-24V3A 24 Vdc 3 A	1
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: yellow;">—</span>	Control Signal
<span style="color: blue;">—</span>	Video
<span style="color: green;">—</span>	Mic Level Audio Signal
<span style="color: grey;">—</span>	Ground
<span style="color: black;">—</span>	Power
<span style="color: orange;">—</span>	Miscellaneous