



Description:

This example shows how to utilize a telephone line (input) port on an existing KSU to add paging from the telephone system to a background music (BGM) system. The ST-TC1 acts as a virtual telephone line when connected to a KSU FX port. When that "line" is selected using any phone instrument connected to the KSU, the ST-TC1 provides audio from the instrument mouthpiece to the ST-VP2 Automatic Ducking Module. The ST-VP2 automatically ducks the background music audio for the duration of the page, then ramps up the music at the end of the page. In this example an FP-PA20A 70 volt amplifier is powering 70 volt loudspeakers in the office area. The ST-TC1 provides relay contact closures when it is activated by a telephone instrument. The relay contacts can be used to provide additional functions when paging is active, including visual indicators or triggering a radio transmitter.

Parts List	
Product	QTY
FP-PA20A	1
ST-TC1	1
ST-VP2	1

Recommended Pwr. Supplies	
Product	QTY
PS-24V3A 24 Vdc 3 A	1

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