BASIC PAGING OVER BACKGROUND MUSIC
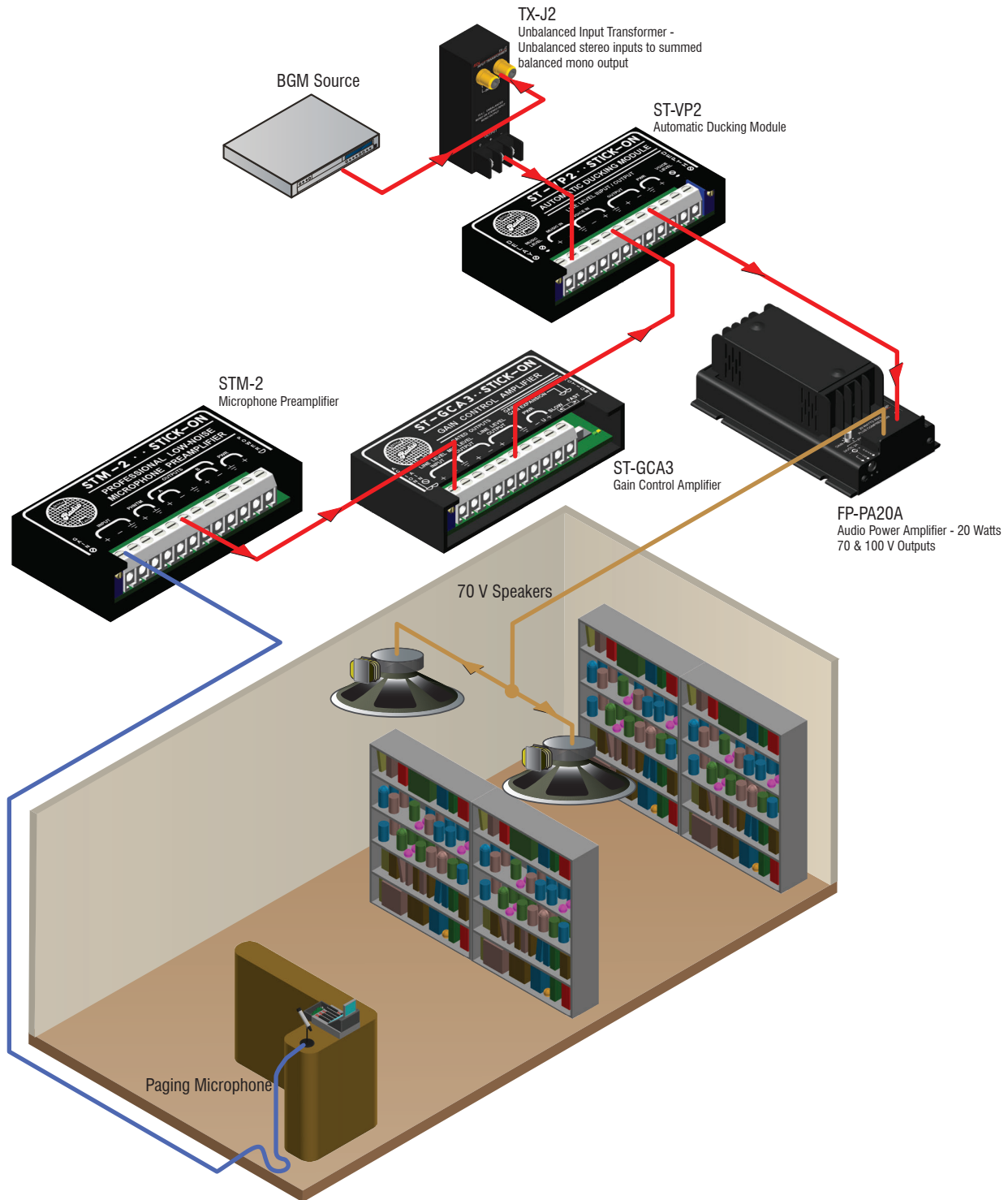## User-Controlled Voice-Over Paging with 70 V Amplification of BGM and Paging

SYSTEMS SOLUTIONS

TX-J2
Unbalanced Input Transformer -
Unbalanced stereo inputs to summed
balanced mono output

BGM Source

ST-VP2
Automatic Ducking Module

STM-2
Microphone Preamplifier

ST-GCA3
Gain Control Amplifier

FP-PA20A
Audio Power Amplifier - 20 Watts
70 & 100 V Outputs

70 V Speakers

Paging Microphone

Description:

This system allows a push-to-talk tabletop microphone to interrupt background music during paging. The system can be set up to completely remove the background music or to simply duck the music to a preset level. The ST-VP2 Automatic Ducking Module allows the end user to dial in exactly how much 'ducking" of the music is desired. The ST-GCA3 Gain Control Amplifier insures consistency of level from the paging source. The system uses a 20 watt 70 V amplifier driving two 70 V speakers each tapped at 10 Watts.

RDL
Radio Design Labs
www.rdlnet.com

Parts List	
Product	**QTY**
FP-PA20A	1
STM-2	1
ST-GCA3	1
ST-VP2	1
TX-J2	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