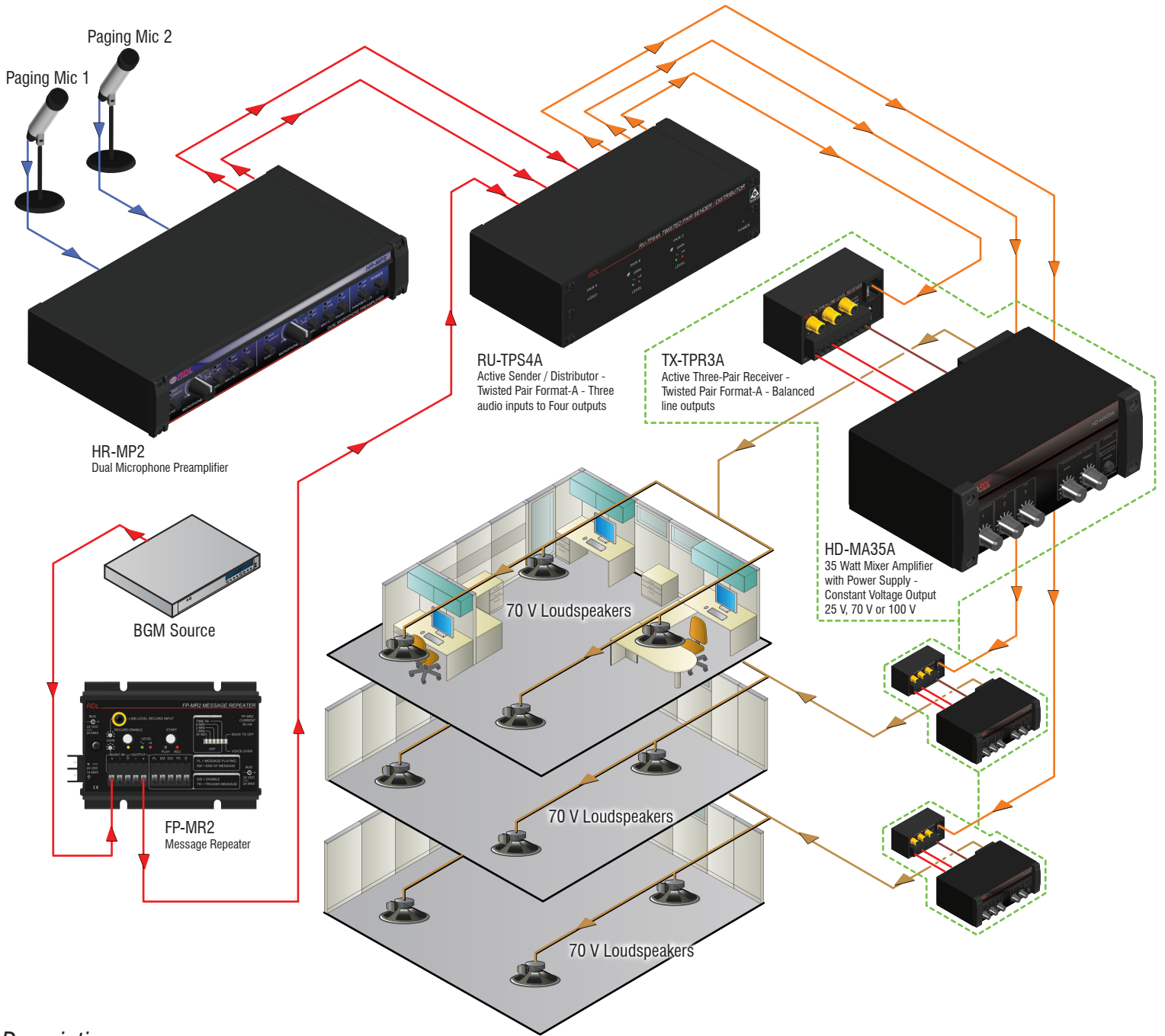


AUDIO DISTRIBUTION OVER TWISTED PAIR

Multi-Zone Paging w/BGM and Message Repeater



Description:

An RDL FP-MR2 Message Repeater plays back pre-recorded messages and provides ducking or muting of the BGM source during message playback. The message repeater can be programmed to repeat automatically or may be triggered manually. Two dynamic or condenser microphones are pre-amplified to line-level by an RDL HR-MP2 Dual Microphone Preamplifier. All three audio sources (BGM/Message Repeater, Paging Mic 1, Paging Mic 2) are distributed to each of the three floors of an office or retail building over readily available CAT5 cabling utilizing an RDL RU-TPS4A Active Sender/Distributor and three TX-TPR3A Active Receivers (one per floor). Each Active Receiver provides line-level audio to an RDL HD-MA35A Mixer Amplifier. The BGM/Message Repeater signal connects to Input 2 of the mixer amplifier on each floor. Input 1 of each mixer amplifier is fed from the Receiver output that corresponds with the Paging Mic (1 or 2) that will be used to page on that floor. Input 1 is set to "duck" the other amplifier input(s) so paging will take priority.

The RDL Format-A twisted pair products provide flexibility and expandability for this multi-zone paging system. Additional floors may be added using additional receiving modules and amplifiers.

Parts List	
Product	QTY
HD-MA35A	3
HR-MP2	1
FP-MR2	1
RU-TPS4A	1
TX-TPR3A	2

Recommended Pwr. Supplies	
Product	QTY
HD-MA35A Power Supply	3, included
PS-24AS 24 Vdc 500 mA	2

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