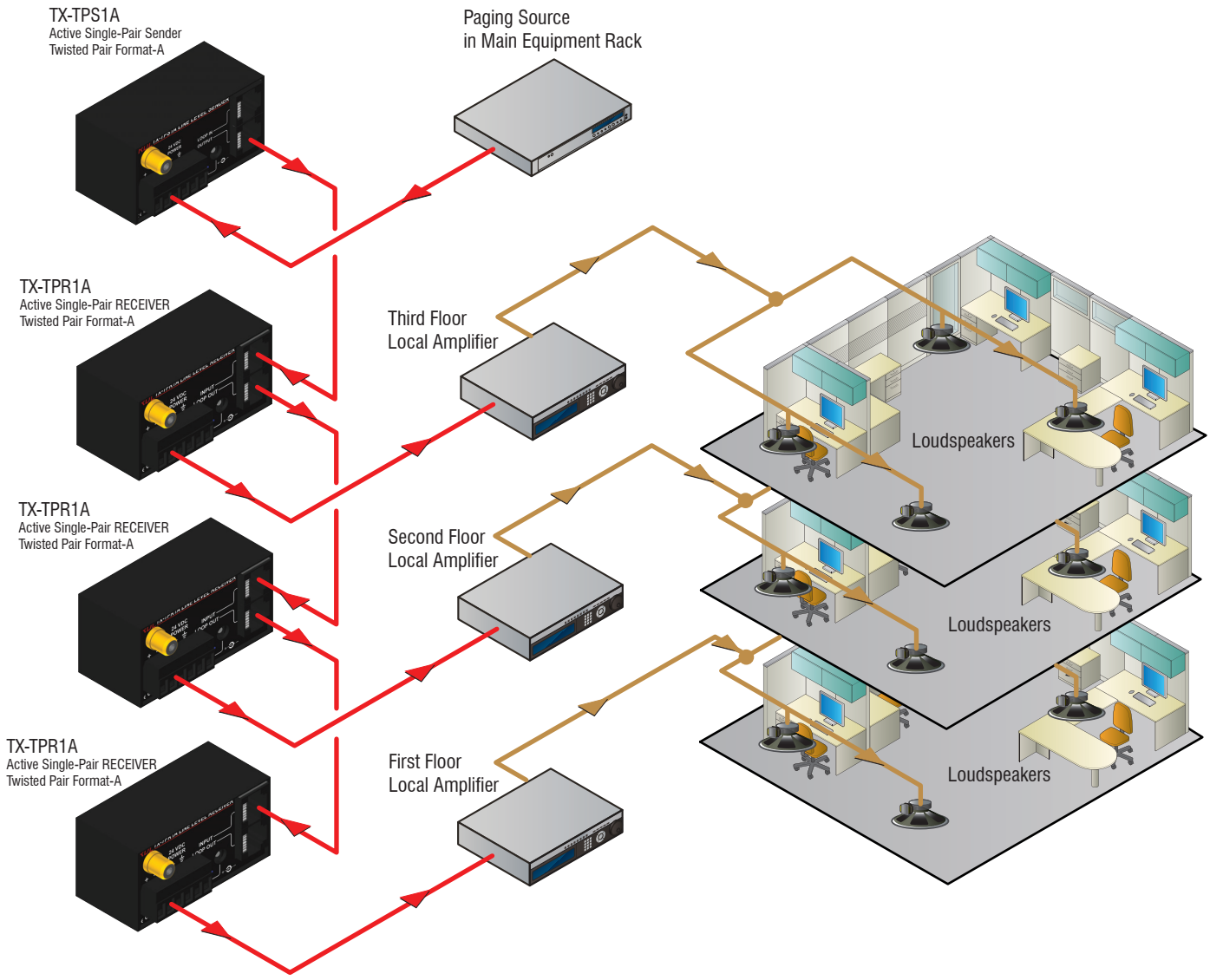
PAGING DISTRIBUTION IN OFFICE COMPLEX

Common Paging for Multi-Story Office Building



Description:

Installed UTP (unshielded CAT5, CAT6 or similar) cable can be used to distribute facility-wide paging to multiple floors or zones. The facility paging source for this multiple story building is fed to the RDL TX-TPS1A Active Single Pair Sender. Its output is fed to a twisted pair receiver on one floor, then in turn to additional receivers on the other floors. All connections use UTP terminated with RJ45 plugs. A TX-TPR1A Active Single Pair Receiver on each floor delivers line-level paging audio to the local amplifier.

Each Format A twisted pair receiver bridges the UTP cable, allowing the source signal to continue on to multiple receivers. The receivers are powered from the TX-TPS1A sender. (Note: If the total distances between the receivers exceeds the recommended cable length for the cable type used, one or more additional power supplies may be required. If needed, an additional power supply may be connected to any of the receiver modules. Consult the Format-A twisted pair data, or RDL technical support for more information.)

Parts List

Product	QTY
TX-TPS1A	1
TX-TPR1A	3

Recommended Pwr. Supplies

Product	QTY
PS-24AS 24 Vdc 500 mA	1

Line Color Key

- Line Level Audio Signal
- Loudspeaker Level
- Control Signal
- Video
- Mic Level Audio Signal
- Ground
- Power
- Miscellaneous

RDL Radio Design Labs

www.rdlnet.com