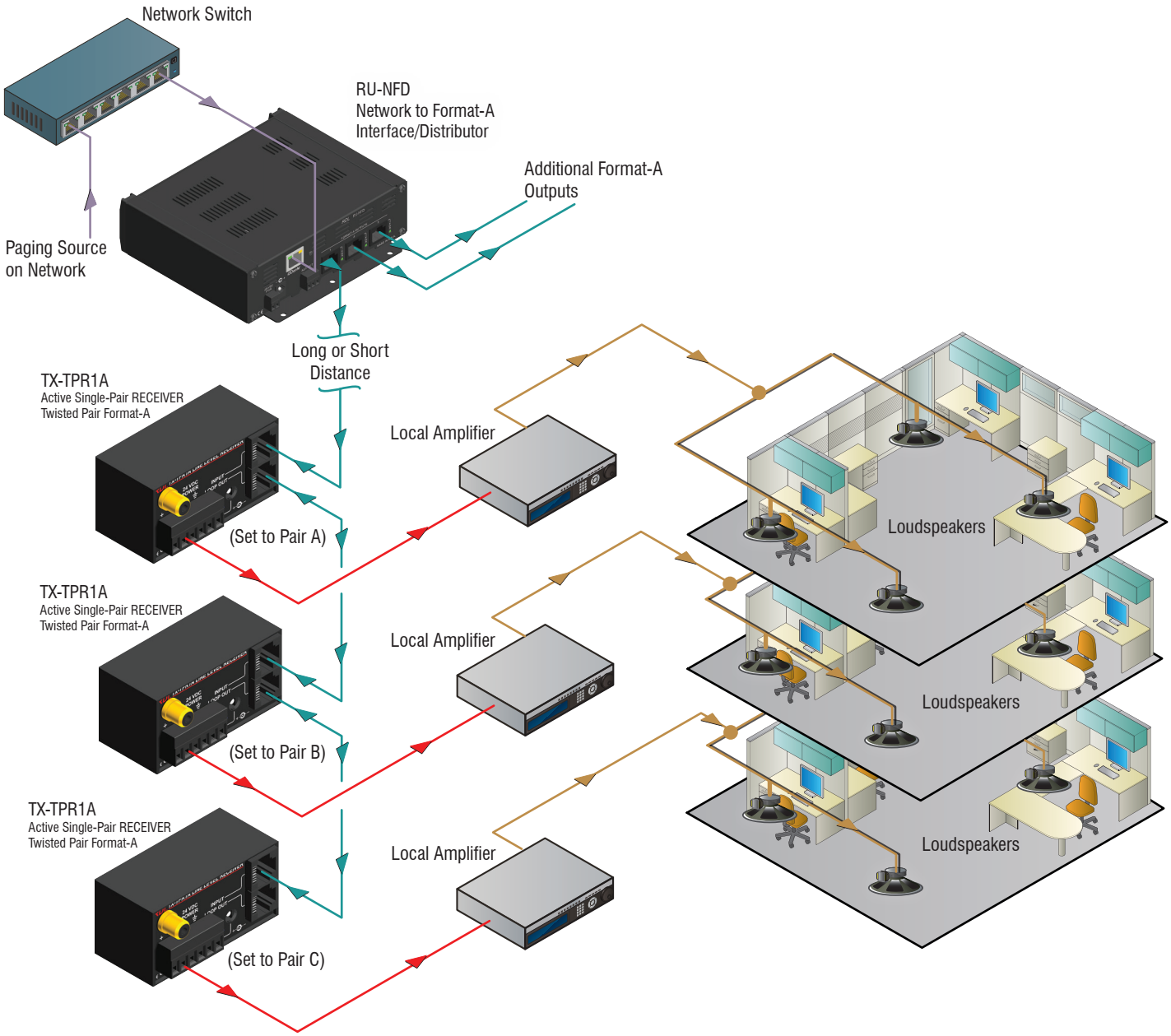
NETWORKED AUDIO PAGING

Multiple Paging Zones

AN-2226



Description:

A Dante™ network is used to distribute several sources of facility-wide paging to multiple buildings. Within each building (one is shown), networked audio is converted to RDL Format-A for distribution to three floors using an RU-NFD Network to Format-A Interface/Distributor. Each paging source is routed to Format-A Pair A, Pair B or Pair C through Dante Controller. The RU-NFD provides three Format-A output jacks that each send audio on pairs A, B & C to a twisted pair receiver on one floor, then in turn to additional receivers on the other two floors. By setting each TX-TPR1A receiver to a different receive pair (A, B or C), each floor receives its own paging source. An All Call initiated at the main paging station will page all floors simultaneously. 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 RU-NFD. (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
RU-NFD	1
TX-TPR1A	3

Recommended Pwr. Supplies

Product	QTY
PS-24KS 24 Vdc 1000 mA	1

Line Color Key

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

RDL Radio Design Labs

www.rdlnet.com