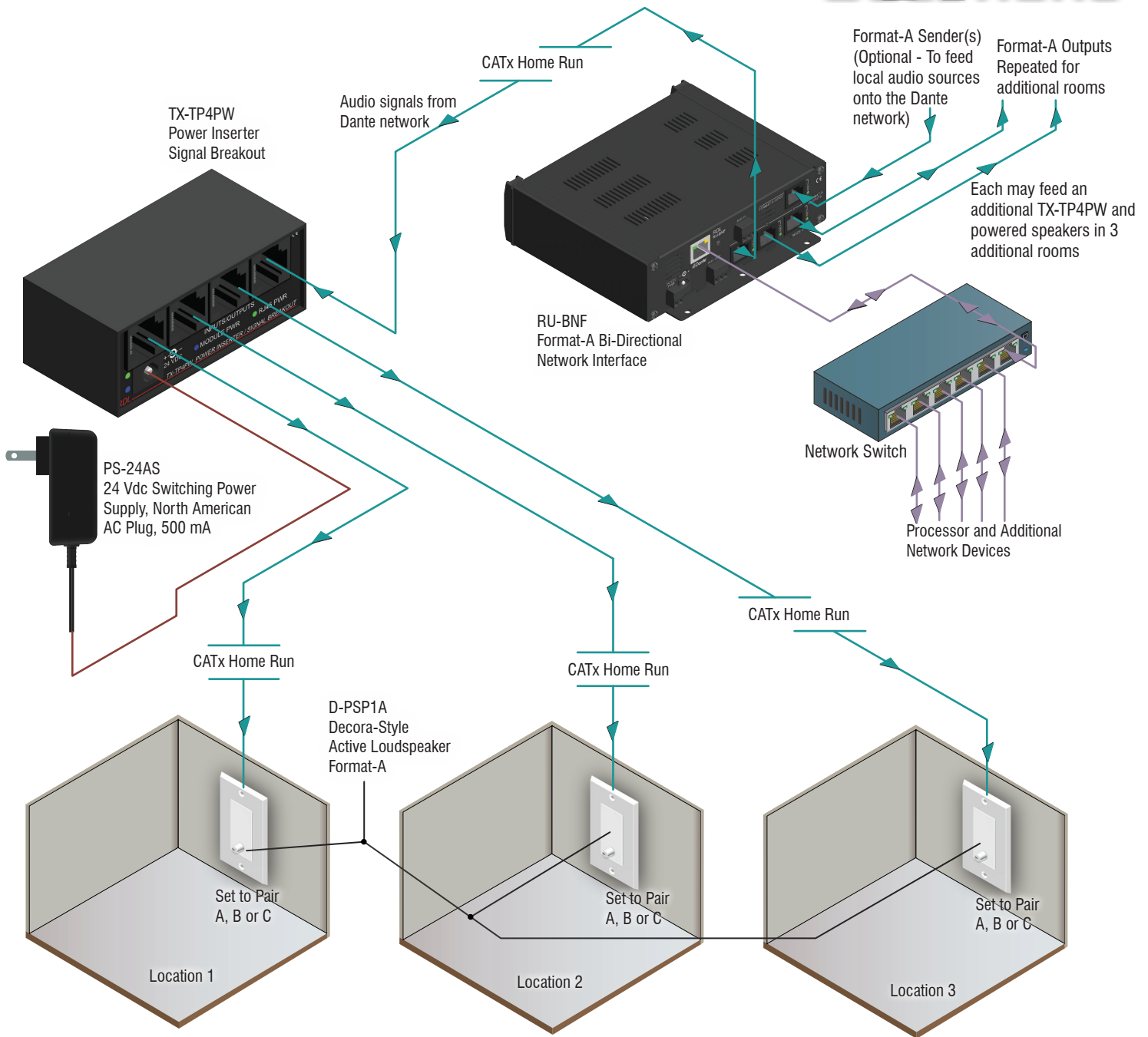


# POWER 3 ACTIVE SPEAKERS ON FORMAT-A CABLE RUN

Power Inserter / Signal Breakout Module Permits Home Run Cabling From a Dante™ Network



## Description:

Each Format-A active loudspeaker requires 100 mA of supply current. A TX-TP4PW Power Inserter / Signal Breakout module provides up to 200 mA to each D-PSP1A active loudspeaker. The TX-TP4PW Power Inserter / Signal Breakout module is used to receive Pairs A, B and C from a single cable run connected to the RJ45 output of the RU-BNF Format-A Bi-Directional Network Interface. The RU-BNF converts 3 Dante sources to Format-A. Those sources on pairs A, B and C are all passed through to each home run cable that connects to the RJ45 input of each D-PSP1A Format-A loudspeaker. A rear-panel switch set during installation selects which of the three audio sources is amplified by the powered speaker. All D-PSP1A loudspeakers may be set to the same pair if desired. All the Format-A modules are powered by the external supply connected to the TX-TP4PW. This setup can be replicated for the remaining two Format-A outputs from the RU-BNF. Additionally, the Format-A input on the RU-BNF may be used to convert three Format-A sources onto the Dante network (not shown).

Parts List	
Product	QTY
D-PSP1A	3
RU-BNF	1
TX-TP4PW	1

Recommended Pwr. Supplies	
Product	QTY
PS-24AS 24 Vdc 500 mA	1

Line Color Key	
Red	Line Level Audio Signal
Yellow	Loudspeaker Level
Purple	Control Signal
Blue	Video
Green	Mic Level Audio Signal
Black	Network
Brown	Power
Teal	Format-A