VS-900 Security Intercom Systems

Application Note

Using a Speaker and 25V Line-Matching Transformer as a VS-900 Sub-Station
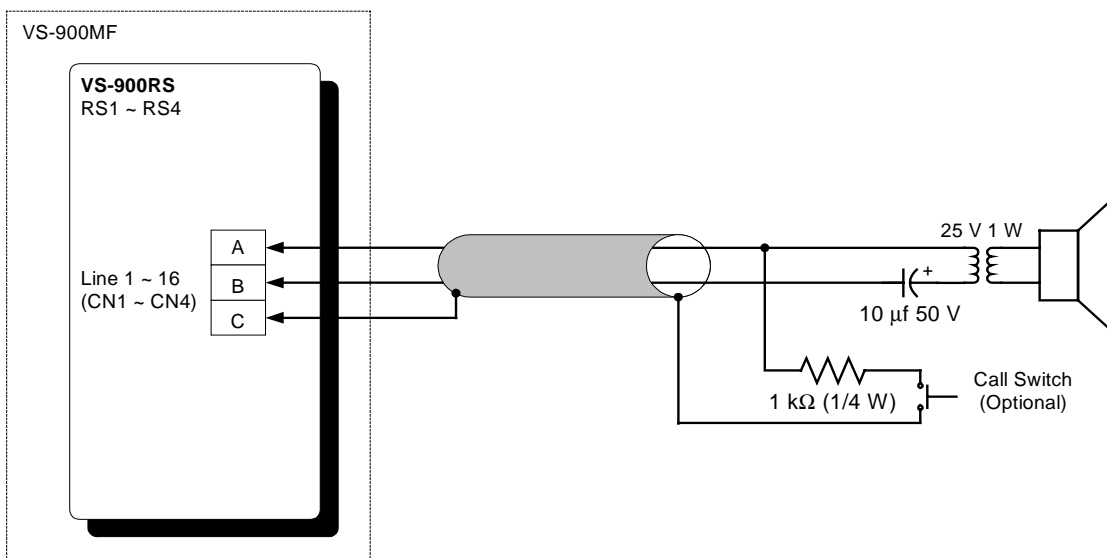
Summary

You can build a simple VS-900 sub-station using readily available components.

Details

The configuration shown below supports half-duplex conversation, scan monitoring, and paging. With the addition of a call switch, the speaker can initiate a call-in to a pre-programmed master station. Note: Connect only one speaker assembly to each VS-900 port.

Diagram

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Application Note

Connecting an External Amplifier to a VS-900RS Sub-station Port

Summary

Connecting an external amplifier to a VS-900RS sub-station port provides that amplifier with the audio distribution features of a VS-900 sub-station.

Details

As shown in the diagram below, the combination of resistors and capacitors block the VS-900RS DC signaling and pad the signal to line level, suitable for connection to a line-level input (transformer-isolated) of an amplifier such as the TOA 900 Series P-912MK2 with a "B" Series input module (ex. B-01S). Note: This is for one-way communication only - the PA amplifier/speakers will not act as a microphone for talk-back **(also see the VS-900AF card which offers a paging line output and 16 control ports)**.

Diagram