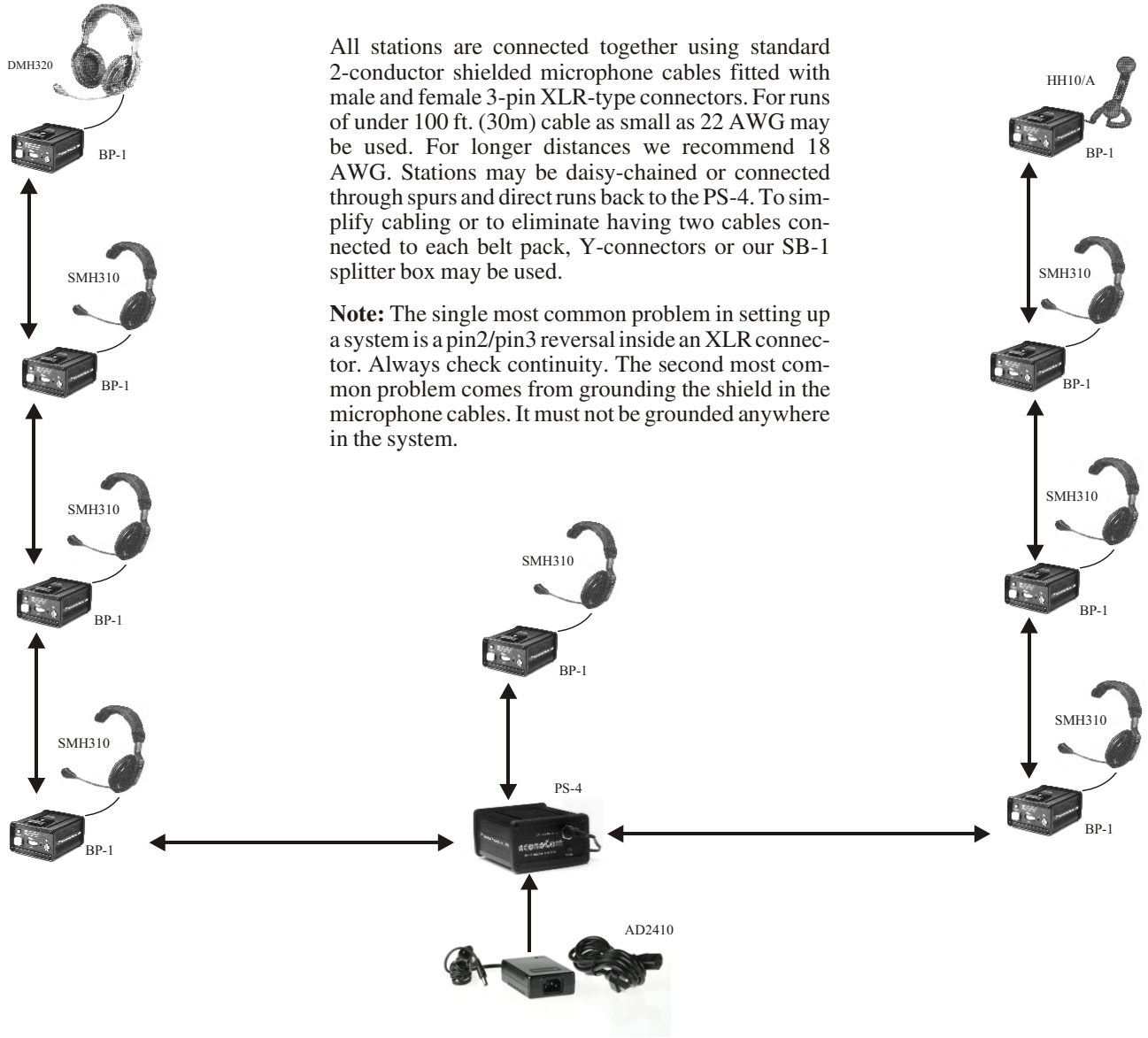


Wherever there's a show...



# Simple econoCom System

## Applications Notes



All stations are connected together using standard 2-conductor shielded microphone cables fitted with male and female 3-pin XLR-type connectors. For runs of under 100 ft. (30m) cable as small as 22 AWG may be used. For longer distances we recommend 18 AWG. Stations may be daisy-chained or connected through spurs and direct runs back to the PS-4. To simplify cabling or to eliminate having two cables connected to each belt pack, Y-connectors or our SB-1 splitter box may be used.

**Note:** The single most common problem in setting up a system is a pin2/pin3 reversal inside an XLR connector. Always check continuity. The second most common problem comes from grounding the shield in the microphone cables. It must not be grounded anywhere in the system.

In an econoCom system all stations are linked together in a party-line configuration. When any signal lamp switch is pressed, all the others will be simultaneously lit. The three convenient XLR jacks on the back of the PS-4 permit the stations to be broken up into one, two or three strings. In this diagram, we have assumed that a stage manager would be in charge of most communications and have provided a belt pack for him on one of the three possible spurs. The econoCom system is capable of handling up to ten belt-packs. Although the power supply components are quite robust, we do not as a rule suggest trying to connect current-hungry loudspeaker stations.