IP7-SS40
Audio Transformer Installation

The optional 70V audio transformer for the IP7-SS40 enables an IP7-SS40 Amplifier to:
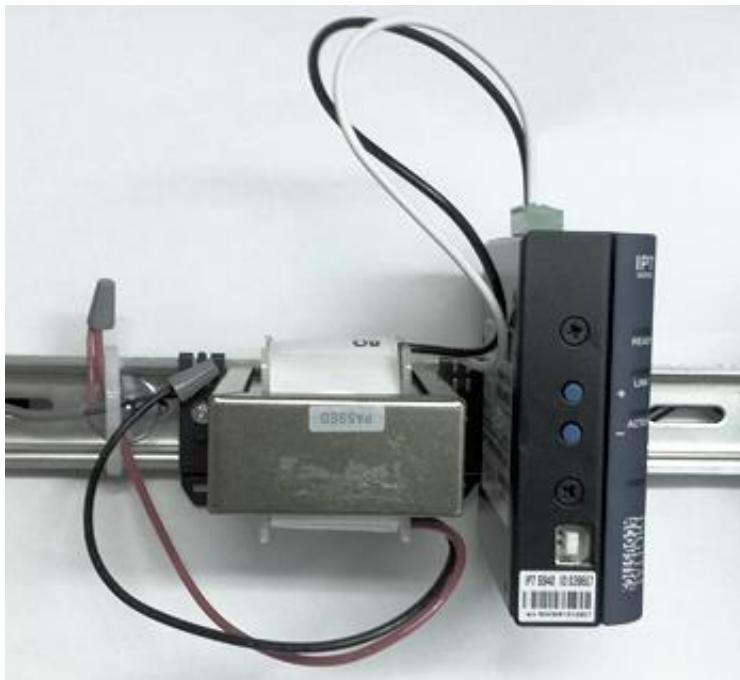
- Drive one or more speakers, each with its own transformer
- Install the speakers up to 3000' away from the IP7 Amplifier
- Set an individual speaker's relative volume using its transformer taps

Use the TalkMaster® software to adjust the volume level of the IP7-SS40.

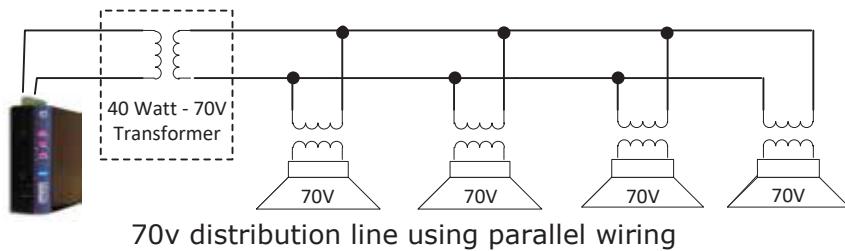**To install the optional 70V transformer:**

- Mount the transformer next to the IP Amplifier. Optional DIN clips are provided
- Connect the **Black 8Ω** and the **White COM** leads from the transformer to the J2-6 and J2-7 terminals (**SPKR 8Ω+** and **SPKR 8Ω-)** on the IP7 (polarity independent)
- Connect the **Black 70V** and **Red COM** to the speaker distribution line

Speaker Installation Guidelines
- Each speaker must have its own 70V transformer
- Connect the speaker's transformer to the distribution line using the 70V setting and the appropriate wattage to set the speaker's relative volume
- Do not mix Speakers tapped for 25V with a 70V distribution line
- Make sure to maintain the same wiring polarity between each speaker
- All Speakers must be wired in parallel (see diagram below)
- When using transformers, the total wattage available from the IP7-SS40 must be reduced to account for transformer loss. The IP7-SS40 has 30 watts available
- When the wattage settings from each speaker on the 70v distribution line are added together, the total cannot exceed 30 watts
- The following guidelines should be used for selecting Speaker Wire

Distance	Wire Gauge
1' - 500'	18 AWG
501' – 1000'	16 AWG
1001' – 2000'	14 AWG
2000' – 3000'	12 AWG

40 Watt - 70V Transformer

70v distribution line using parallel wiring