

COMTR2570-324J

Getting Started Guide

Introduction

The optional 25/70V audio transformer enables an IP7-SE8 or IP7-SS20 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

After configuring the IP7, set its volume level to 6. The Speaker taps on each speaker's transformer will be used to set the speaker's volume level.



To install the optional 25/70V transformer:

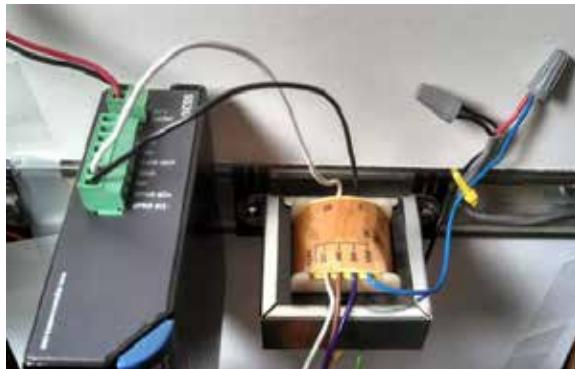
- Mount the transformer next to the IP Amplifier. Optional DIN clips are provided
- Connect the Black 0 and the White 8Ω leads from the transformer to the J2-6 and J2-7 terminals (SPKR 8Ω+ and SPKR 8Ω-) on the IP7 (polarity independent)



Determine whether to use a 25V or a 70V distribution line. The speakers must be tapped for the same voltage as the distribution line you select.

Determine the correct wattage tap for the 25/70V transformer. The IP7-SE8 should use the 8-watt tap and the IP7-SS20 should use the 16-watt tap.

- To use the IP7-SE8 with a 25V speaker distribution line, select the **Yellow 25V-8W** and the **Black C** leads on the Transformer and connect to the speaker distribution line
- To use the IP7-SS20 with a 25V speaker distribution line, select the **Orange 25V-16W** and the **Black C** leads on the Transformer and connect to the speaker distribution line
- To use the IP7-SS8 with a 70V speaker distribution line, select the **Purple 70V-8W** and the **Black C** leads a on the Transformer and connect to the speaker distribution line
- To use the IP7-SS20 with a 70V speaker distribution line, , select the **Blue 70V-16W** and the **Black C** leads on the Transformer and connect to the speaker distribution line

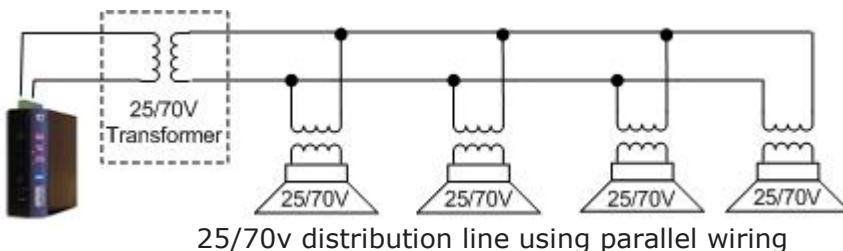


SS20 setup for 70V – 16Watts

Speaker Installation Guidelines

- Each speaker must have its own 25/70V transformer
- Connect the speaker's transformer to the distribution line using the matching voltage and the appropriate wattage to set the speaker's relative volume
- Make sure to maintain the same wiring polarity between each speaker
- Do not mix Speakers tapped for 25V with a 70V distribution line or speakers tapped for 70V with a 25V distribution line
- All Speakers must be wired in parallel (see diagram below)
- When using transformers, the total wattage available from the IP Amplifier must be reduced to account for transformer loss. The IP7-SE8 has 5 watts available and the IP7-SS20 has 14 watts available
- When the wattage from each speaker on a 25/70v distribution line is added together, the total cannot exceed the available wattage for the IP Amplifier
- Snip off any exposed wire ends on the transformer to prevent shorting
- 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



IP7 and Digital Acoustics® are trademarks of Digital Acoustics LLC.

Other trademarks are the property of their respective owners.

COMTR2570-324JGSG - 2018-03-15 - All Rights Reserved ©2022

www.digitalacoustics.com/support