



How to select your power amplifier:

Example: (10) KSI 8081-CS loudspeakers with (10) KSI T-70-8 70 volt transformers.

Each loudspeaker will be tapped to receive a minimum of 8 watts at full power. Start by multiplying the number of loudspeakers by the wattage tap that you have selected. This would be 10 loudspeakers X 8 watts per loudspeaker = 80 watts at 70 volts.

We recommend that you add 25% to this figure for added headroom in the system.

You would then purchase a power amplifier rated at 100 watts @ 70 volts.

How to connect your KSI Loudspeakers to a distributed audio system:

Each KSI transformer has a primary input with one common tap and three wattage taps. These are located on the top of the transformer. The secondary output has one common tap, a tap for eight ohms and a tap for four ohms. These are located on the bottom of the transformer. Connect the KSI loudspeaker black (common) to the transformer (bottom) common terminal. The 8 ohm tap connects to the red on the loudspeaker. This will be pre-wired on the loudspeaker when the transformer is ordered with the speaker. The primaries of all transformers must be connected in parallel from one to the next. (All primary common taps connect together and all primary wattage taps connect together). Run these two wires directly to the power amplifier and connect to the 70 volt outputs on the power amp.

Wiring Schematic

70 volt distributed audio system

