

Niles Audio Corporation, Inc.



ADA-6 Audio Distribution Amplifier Hook-up & Operating Instructions

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The ADA-6 is a 6-output stereo line-level audio distribution amplifier. The unit is designed to be used whenever you need to distribute a single source to multiple destinations. Buffer circuits assure that the source signal will reach all destinations with no degradation or undesirable interactions. All circuits are fully DC coupled which results in the cleanest possible signal path. In essence, the ADA-6 is an amplified audio signal splitter or electronic "Y" adapter.

• HOOKUP

1. Using regular or high definition cables, connect the left and right channel outputs of the source you wish to distribute to the right and left input connectors on the rear of the ADA-6. Typical sources might be CD players, tape players, pre-amp outputs or any other line level output.
2. Connect the buffered outputs (1 through 6) to the destination components of your system. Typical destination components might be power amplifiers, tape decks, VCR's (audio portion), signal processors or any other line level input.

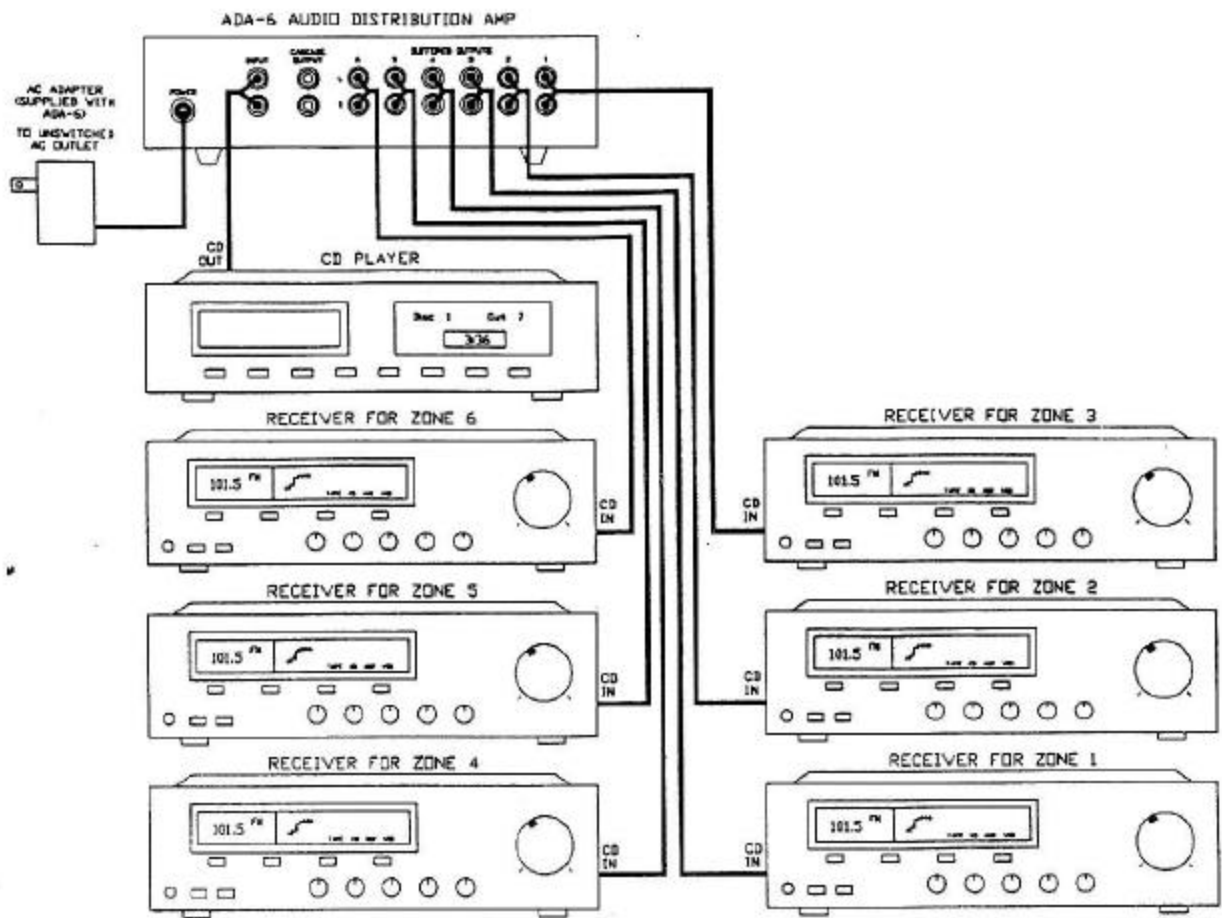
Note: If any cable runs are longer than 12 feet, it is recommended that you use a low capacitance cable to minimize high frequency roll-off.

3. The front panel Level Adjustment trimmers are set at the factory to unity gain. In most applications, this setting will be correct. Under certain circumstances it may be necessary to increase or decrease the gain setting. The ADA-6 outputs are adjustable from 9 to 140% of input level.

Example: If you are using the ADA-6 to drive multiple power amplifiers, you may want to balance their output levels. This may be necessary because different brands or models may have different input sensitivities. Even if you are using the same model amplifiers, the speakers they are driving may have different efficiencies.

CASCADING MULTIPLE ADA-6 UNITS

The rear of the ADA-6 has a pair of jacks labeled CASCADE OUTPUT. These are provided in case you need to multiply your source by more than 6 outputs. You may cascade up to 10 ADA-6 units in the following manner — Simply connect the CASCADE OUTPUT jacks to the input jacks of the second unit. If a third unit is required, connect the CASCADE OUTPUT jacks of the second unit to the input jacks of the third unit. The sequence repeats up to 10 units.



SPECIFICATIONS

Input Impedance	500K ohms
Output Impedance	100 ohms
Frequency Response	flat from DC to >20 KHz
Signal to Noise Ratio	90 db reference to 1 volt
Crosstalk	-70 db at 20 KHz
Total Harmonic Distortion	.01% 20 Hz to 20 KHz at 1 volt reference
Maximum Signal Input	6 volts RMS
Output Gain	Adjustable from 0 to 140% of input level
Power Requirements	Wall mount transformer supplied with unit <i>16 VAC 400mA</i>
Dimensions	2-17/32" High x 8-1/8" Wide x 3-11/16" Deep