

## AD-8x Audio Distribution System



Perfect in larger residential and commercial installations where flexibility is important, the AD-8x Audio Distribution System combines a 16 channel audio amplifier with a matrix-switching preamplifier. This provides the ability to listen to eight different audio sources in any zone. In addition, up to four of the audio sources can come from other rooms, allowing sources such as streaming devices to be accessed from other locations, away from the rack. Meanwhile, the integrated Cool Power® amplifier provides 25 watts per channel of crystal clear sound.

The AD-8x Ethernet support allows two-way control via the LAN, while a web interface allows output zones to be tested during installation via a web browser on a smartphone, tablet or PC. This web interface is also used to configure output zones into groups, allowing them to be controlled as a single zone. Control is available via IR, while advanced two-way control is enabled via RS-232 and IP when combined with RTI control solutions.

### Accessories



PDM-1  
Phone/Doorbell Module



RSP-1  
Remote Source Wall Plate



RSO-1  
Digital to Analog Audio Converter



CP-16i  
16 Channel 100W Cool Power® Audio Amplifier

### Key Features

- Eight analog stereo audio output zones with fixed and variable pre-outs.
- Eight analog audio source inputs with independent trim level adjustment.
- Twenty-five watts per channel in every zone.
- Distribute eight audio source inputs to eight zone, expandable to 64 zones by stacking additional AD-8x units.
- Ethernet support and a web interface allows the AD-8x output zones to be tested during installation via a web browser on a smartphone, tablet or PC.
- Web interface allows zones to be configured into groups, allowing them to be controlled as a single zone.
- Accessory wall plate (RSP-1) allows remote source equipment to be connected and controlled remotely over a Cat-5 cable.
- RSO-1 digital to analog converter (sold separately) provides audio input for digital audio sources.
- Controlled via IR, and two-way control with feedback via RS-232 and IP when installed with RTI control systems.
- Optional phone and doorbell mute function using accessory wall plate (PDM-1).

### Included in the Box

AD-8x, power cord, rack ears (2) with screws, Phoenix 4-position speaker terminal blocks (4), feet with screws (4)

## Specifications

AC Input Voltage ..... 115VAC or 240VAC (Switchable), 230W  
 Power switch ..... Front Panel On/Off control  
 ..... with LED power indicator  
 Mounting ..... Rack mount or free standing  
 Dimensions ..... 5.24" (133mm) x 17" (432mm) x 14.75" (375mm)  
 (HxWxD) .....  
 Weight ..... 24lbs (10.9kg)  
 Operating Temperature ..... +32°F to +122°F (0°C to +50°C)  
 Operating Humidity ..... 5% to 95% Non-condensing  
 Local Input Source ..... Eight, RCA jacks x 16  
 Remote Input Mixed Source ..... Four, RJ45  
 CTRL In ..... One, 3.5mm, for IR control  
 Remote Source IR ..... One, 3.5mm x 4 sources, IR input  
 RS232 Port ..... One, Bidirectional control  
 Ethernet Port ..... One, RJ45 Bidirectional control  
 Trigger Output ..... One, 12VDC @ 15mA  
 Voltage Output ..... One, 12VDC @ 500mA  
 Mute ..... One, 3.5mm  
 Output Zones ..... Eight zones, two channels each,  
 ..... phoenix connector  
 Pre-amp Output (fixed or variable) ..... Eight zones,  
 ..... two channels each, RCA jacks  
 Rated Power/Channel ..... >20 Watts, 20Hz to 20KHz  
 ..... (RMS, 2 chan driven 8ohms)  
 Power/Channel >25 Watts @ 1KHz (RMS, 2 chan driven 8ohms)

Total Harmonic Distortion ..... @20W/8ohm, .5%  
 Total Harmonic Distortion ..... @1W/8ohm <.05%  
 S/N @ Rated Power ..... 92dB (mute +1)  
 IEC A-wtd, Source Input shorted .....  
 Frequency Response 20Hz to 20KHz @1W/8ohm ..... 1.5+/- .5dB  
 Input Overload ..... 2.5V  
 Input Impedance ..... >22Kohms  
 Channel Separation 1KHz ..... >60dB  
 Crosstalk Between Sources @ Rated Power/1KHz ..... >75dB  
 Crosstalk Between Zones @ Rated Power/1KHz ..... .80dB  
 Treble Control @10KHz ..... 10dB +/- .5dB  
 Bass Control @100Hz ..... 10dB +/- .5dB  
 Warranty ..... Three Years (Parts & Labor)  
 All Specifications subject to change without notice.

## Do more with Integration Designer 11

Integration Designer 11 elevates the experience for all RTI systems, from residential to commercial. Its stunning new template - complete with custom slider support, one-click background swapping and more - makes it faster than ever to deliver a beautiful finish to every installation. Drivers are directly accessible from within the software, with notifications to keep you always up to date. The integrated system manager lets you track rooms, room status, and source status to save time on every installation. All this and more in [Integration Designer 11](#).

