



AD-8x Distributed Audio 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 pre-amplifier. 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 like an iPod or PC 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 second generation of the AD-8 audio distribution system, the AD-8x has added powerful new features. The addition of Ethernet support allows two-way control via the LAN, while a web interface allows the AD-8x 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 provided via RS-232 and IP when combined with RTI control solutions. When the job grows, the AD-8x can expand along with it. The eight zone outputs can easily be expanded by stacking up to eight AD-8x units together, for a maximum of 64 zones. The AD-8x from RTI will provide you with clean, stable, reliable power you can count on for years to come.

Audio Distribution Accessories



*PDM-1
Phone/Doorbell
Module*



*RSP-1
Remote Source
Wall Plate*



*RTI Amplifiers
CP-450 4 Channel - 50W/Ch
CP-1650 16 Channel - 50W/Ch*

RTI Control System



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.
- 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).

Specifications

AC Input Voltage	115VAC or 240VAC (Switchable), 230W
Power Switch	Front Panel On/Off with LED
Mounting	Rack mount or free standing
Dimensions (HxWxD)	5.24in(133mm) x 17.0in(432mm) x 14.75in(375mm)
Weight	24lbs (10.9kg)
Operating Temperature	C -10 to +40degrees, F +14 to +104 degrees
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, IEC A-wtd, Source Input shorted	92dB (mute +1)
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 features and specifications subject to change without notice



Rear view

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RTI User Interfaces

RTIPanel	Mobile & PC Software Interface (App)
SURFiR	Companion Remote Control
T1-B+	Remote Control
T2i	Remote Control
T2x	Remote Control
T3x	Remote Control
RKM-1+	In-Wall Audio Distribution Keypad
RK1+	2-4-8 Button In-Wall Keypad
KX1	1.2" Audio Distribution Keypad
KX2	2.8" In-Wall Touchpanel Keypad
KX3	3.5" In-Wall Touchpanel Keypad
KX7	7" In-Wall Touchpanel
KX10	10" In-Wall Touchpanel
CX7	7" Countertop/Under-Cabinet Touchpanel
CX10	10" Countertop/Under-Cabinet Touchpanel

RTI Control Accessories

RP-4	RF Control Processor
XP-3	Advanced Control Processor
XP-6	Advanced Control Processor
XP-8v	Advanced Control Processor
RM433	433MHz RF Antenna
ZM24	2.4GHz Zigbee Transceiver
ZW-9	Z-Wave® Interface Module
CB-8	Touchpanel Connecting Block
CM-232	RS-232 Communication Module
CPB-1	Control Port Connecting Block
ECB-5	IR Connecting Block
ESC-2	Ethernet to Serial Converter
IPE-4	IR Port Expander
PCM-4	Port Control Module
RCM-4	Relay Control Module
vIRsa Mouse	IR Emitter

RTI Audio/Video Distribution

AD-4x	4x4 Audio Distribution System
AD-8x	8x8 Audio Distribution System
AD-16x	16x16 Audio Distribution Matrix Switch
CP-450	4 Channel Cool Power® Amplifier
CP-1650	16 Channel Cool Power® Amplifier
VHD-4	4x4 HDBT Video Matix Switch
VHD-8	8x8 HDBT Video Matix Switch
VHT-1	HDBT Video Transmitter
VHR-1	HDBT Video Receiver



It's Under Control®