AD-4x
Distributed Audio System

The AD-4x is perfect for residential or commercial installations that require music everywhere - without breaking the budget. This compact audio distribution system contains both a matrix switching pre-amp and a built-in power amplifier. The four local source inputs can be augmented with four remote source inputs, making it easy to listen to music from your kitchen iPod dock or office PC.

The second generation of the AD-4 audio distribution system, the AD-4x has added powerful new features, providing more flexibility and quicker installations. Now with pre-outs for each zone, a separate amplifier may be added for additional power and speakers where needed. The addition of Ethernet support allows two-way control via the LAN, while a web interface allows the AD-4x 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.

Designed to be a seamless extension of an RTI control system, the AD-4x provides the audio switching, amplification and distribution functions, while RTI central processors and user interfaces manage the audio source control, user input and status feedback. Information such as the selected source, volume level, and tone control settings are available for each zone.

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

- Four analog stereo audio output zones with pre-outs.
- Four analog audio source inputs with independent trim level adjustment.
- Independent volume and tone control for all audio zones.
- Ethernet support and a web interface allows the AD-4x output zones to be tested during installation via a web browser on a smartphone, tablet or PC.
- Configure output zones into groups, allowing them to be controlled as a single zone.
- Accessory wall plate (RSP-1) allows source equipment to be connected remotely with a Cat-5 cable.
- Controlled via IR, or two-way control via RS-232 and IP using RTI control systems.
- Twenty-five watts per channel in each zone.
- Optional phone and doorbell mute function using accessory wall plate (PDM-1).
- Zone power indicator LEDs.
- Compact, low-profile IU design.

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It's Under Control®

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 (with rack ears & front cover) HxWxD..
.... 2.1in(53mm) x 19in(482mm) x 13.3in(340mm)

Dimensions Chassis (without rack ears & front cover)HxWxD ....
.... 2.1in(53mm) x 16.9in(430mm) x 13.3in(340mm)

Weight ....11 lbs (5kg)

Operating Temperature............................ C -10 to +40 degrees F +14 to +104 degrees

Local Input Source..Four, RCA jacks

Remote Input mixed Source ....Four, RJ-45 jacks

CRTL In ....One, 3.5mm jack, for IR control

Remote Source IR Input .... One, 3.5mm jack x 4, for IR input

RS232 Port .... One, Bidirectional control

Ethernet Port ....One, RJ45 Bidirectional control

Trigger Output (Status) .... One, 12VDC@15mA

Voltage Output.. One, 12VDC@500mA

Mute.. 3.5mm jack

Doorbell Input Sensitivity (PDM1) ....AC/DC 3~12V

Phone input sensitivity (PDM1) ....AC25~100V/20Hz

Output Zones...Four zones, two channels each

Rated Power / Channel.. >20 Watts, 20Hz to 20KHz
.... (RMS, 2 channels driven into 8 ohms)

Power/Channel ....>25 Watts @1KHz
.... (RMS, 2 channels driven into 8 ohms)

Total Harmonic Distortion @20W/8 ohm ....0.5%.

Total Harmonic Distortion @1W/8 ohm .... <0.05%.

S/N @ Rated power, IEC A-wtd, Source input shorted ....92dB (mute +1)

Frequency Response 20Hz to 20KHz @1W/8 ohms....................................1.5+/-0.5dB

Input Overload... 2.5V

Input Impedance.. >22K ohms

Channel separation @1KHz...>60dB

Crosstalk Between Sources @rated power /1KHz ....>75dB

Crosstalk Between Zones @rated power /1KHz 80dB

Treble control @10KHz... 10dB +/-0.5dB

Bass control range @100Hz... .10dB +/-0.5dB

Warranty ....One Year (Parts & Labor)

All features and specifications subject to change without notice

Rear view

Remote Technologies Incorporated
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RTI User Interfaces

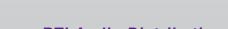|	
RTiPanel	Mobile Software Interface (App)
Virtual Panel	PC Software Interface (App)
SURFiR	Companion Remote Control
T1-B+	Remote Control
T2i	Remote Control
T2x	Remote Control
T3x	Remote Control
RKM-1+	In-Wall Audio Distribution Keypad
RK1+	2-4-8 Button In-Wall Keypad
KX2	2.8 inch In-Wall Touchpanel Keypad
KX3	3.5 inch In-Wall Touchpanel Keypad
KX7	7 inch In-Wall Touchpanel
CX7	Countertop/Under-Cabinet Touchpanel

RTI Control Accessories

RP-4	RF Control Processor
XP-3	Advanced Control Processor
XP-6	Advanced Control Processor
XP-8s	Advanced Control Processor
RM433	433MHz RF Antenna
ZM24	2.4GHz Zigbee Transceiver
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 Distribution

AD-4x	Distributed Audio System
AD-8x	Distributed Audio System
CP-450	4 Channel Amplifier
CP-1650	16 Channel Amplifier

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