AD-16X Audio Matrix Switcher

10-210513-13

SKU: 63930   UPC: 81006499044

Ideal for larger installations, the AD-16x Audio Distribution Matrix provides the routing of 16 audio sources to 16 zones. Delivering complete audio management in every zone, the AD-16x offers parametric equalizing, and adjustments for input gain, tone, volume, and balance control, all configurable via a convenient web interface. Eight remote source inputs offer even greater flexibility, and when more output zones are required, eight AD-16x units can be cascaded to provide up to 128 zones of audio. Designed to be an extension of the RTI control system, the AD-16x

provides the audio switching while RTI amplifiers deliver Cool Power to every speaker. For the utmost in simplicity, RTI central processors and user interfaces intuitively manage all of the audio sources. Information such as the selected source, volume level, and tone control settings are available for each zone.

With RTI control systems, audio is just the beginning. Imagine every aspect of your environment working in complete harmony - from audio and video to lighting, temperature, and more. Such scenarios are only made possible from an audio distribution system backed by a professional-grade control system.

Features

- Provides routing of 16 stereo audio sources to 16 zones.
- Eight remote source inputs allow devices located in other rooms to be used as a global source using the RSP-1 accessory.
- Up to four AD-16x units may be source-looped, for up to 64 output zones.
- Custom project labeling allows integrators to name all of the zones and sources for more efficient programming (via AD64 driver).
- Dynamic audio source management tracks the sources that are active, allowing users to select a different one and avoid inadvertent music changes (via AD64 driver).
- Pre-amp outputs require external amplification via RTI or third-party audio amplifier.
- Eight bands of parametric audio equalizing in all zones.
- Built-in web interface allows zones to be configured and grouped, allowing multiple outputs to be controlled as a single zone.
- Audio input trim adjustment on each source.

AC Input Voltage	100VAC ~ 240VAC, 50~60Hz Switching Power Supply, 20W
Power Switch	Front Panel On/Off with LED indicator
Mounting	Rack mount or free standing
Rack mount or free standing	16.9"" (430mm) x 5.3"" (133mm) x 14.5"" (369mm)
Operating Temperature	+32?F to +122?F (0?C to +50?C)
Operating Humidity	5% to 95% Non-condensing
Weight	14.5lb (6.6kg)
Humidity	5% to 95% Non-Condensing
Heat Output	68 BTU/hr
Loop Outputs	Sixteen, 16 RCA jack pairs
Control Input - CTRL In	One, 3.5mm, for IR control
Control Output - CTRL Out	One, 3.5mm

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Remote Source IR	Nine, 3.5mm jacks - Eight discrete, One universal (All)
Serial/RS232 Port	One, DB9, Bidirectional control
Ethernet Port	One, 10/100Base-T, RJ45
Unit ID Numbers	1-8, Set using 3 switches
Trigger Output (Status Jack)	One, 12VDC @ 15mA
+12VDC Voltage Output	One, 12VDC @ 500mA
Mute	One, 3.5mm Phone Input Sensitivity: AC25V-AC100V 20Hz Doorbell Sensitivity: AC/DC 3-12VDC
Audio Source Inputs (Local)	Sixteen, 16 RCA jack pairs
Audio Source Inputs (Remote)	Eight, RJ-45 jacks
Output Zones	Sixteen zones of stereo L/R, 16 RCA jack pairs (switchable between fixed or variable)
Total Harmonic Distortion	<0.03%
S/N Rating	92dB (@ mute +1) , 100dB(@ mute)
Frequency Response 20Hz to 20KHz @1W/8ohm	1.5+/-.5dB
Input Overload	2.1V
Input Impedance	22KOhms
Channel Separation 1KHz	>60dB
Crosstalk Between Sources @ 1KHz	>90dB
Crosstalk Between Zones @ 1KHz	90dB
Treble Control @10KHz	8.5dB +/-.5dB
Bass Control @100Hz	8..5dB +/-.5dB
Equalizer Bands (8)	32Hz, 64Hz, 256Hz, 512Hz, 1024Hz, 2048Hz, 4096Hz, 16380Hz
Warranty	Three Years (parts & labor)