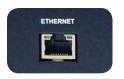## 4x4 Component Video/Audio Matrix Switcher

- *Switches up to four component video, analog, and digital audio sources to four HDTVs and/or sound systems*

- *Compatible with almost any programmable remote control or home automation system using Ethernet, RS-232, or IR*

- *Switches audio and video independently*

- *Supports HD video resolutions up to 1080p*

- *Sleek, rack mountable design*

- *Durable aluminum-and-steel construction, manufactured in the USA*

Multiple Control Options

Virtually any control system or programmable remote can take full advantage of the CMX-144's audio/video switching, lockout, and independent audio switching features. The unit ships with a basic IR remote control.

Ethernet control via PC or other IP control system.

RS-232 for standard serial interface.

Standard IR 3.5mm jack or a convenient terminal connection.

The CMX-144 is the elegant solution for simple installations in mid-sized homes and small commercial applications. It includes many features typically only found on higher-priced products, making it the high-performance and value leader in small matrix systems. Compatible with practically any control system, its durable, attractive design complements any equipment rack or shelf. A wide variety of video and audio inputs eliminate the need for expensive outboard video and audio converters. It can accept and output either optical or coaxial digital audio, and the digital coax ports can be alternatively used for composite video.

The intuitive front panel displays the current selections with back-lit source numbers, and has four brightness levels including Off. The easy-to-clean capacitive keypad has no moving parts, so the front panel never wears out.

MODEL CMX-144 FEATURES:

- 4x4 matrix switches component video, analog stereo audio, digital coaxial audio, and digital optical audio
- Breakaway switching - switch audio and video independently
- Cross-Converts digital audio - digital coax and optical sources are converted and output as both formats simultaneously
- Capacitive touch front panel - no physical buttons to wear out
- Adjustable panel brightness includes 3 levels + Off
- Front panel lockout to discourage unauthorized tampering
- Web interface for control over LAN
- Ethernet (graphical web interface and direct control)
- RS-232 serial interface
- Front panel IR receiver (IR remote control included)
- Rear panel IR jack (connecting-block type and 3.5 mm jack)

CMX-144 rear view

Do Anything Remotely

The CMX-144 is designed to be compatible with all kinds of home automation systems and programmable remotes. Simply download, activate, or program the commands into your remote to automate your audio/video system.

The extensive command set not only allows the user to switch any source to any or all remote zones, but also to switch audio and video independently, restrict other zones from viewing a source, cancel restrictions, switch all zones to view one source, dim the front panel, lock the front panel controls, change the IP address, put the unit to sleep, wake the unit, and view the current settings. Since the unit is networkable, it can be connected to a LAN or even controlled from anywhere in the world!

• Download CCF files, compatible with most IR remotes, at www.audioauthority.com/page/software.
• Serial commands, usable through the RS-232 port and through the Ethernet connection, are listed in the user manual with clear instructions and specifications.

Audio and Video Versatility

The CMX-144 is built with ultra-high bandwidth component video circuitry that is capable of routing up to 1080p HD video content without degradation or artifacts.

The CMX-144 is capable of "breakaway switching" – switching video and audio signals independently. This special feature is useful for applications such as watching a sports event on cable TV while listening to coverage on satellite radio. The feature can also be incorporated into a "party scene" showing home movies, or a slide show on every TV, while playing music from an iPod on each room's audio system.

The digital audio is fully automatic, detecting optical or coaxial input and making the signals available on both digital output formats. Left and right analog audio are also available for sources and TVs not equipped for digital audio.

The CMX-144 digital coaxial audio pathway is designed to allow composite video signals on the coaxial inputs and outputs instead of audio signals. L/R audio pathways may still be used for analog audio. See www.audioauthority.com for details.

SPECIFICATIONS:

Video Signal Type:	Component (YPbPr)	**Digital Audio In/Out:**	Coaxial + optical in/out	**DC Input Connector:**	5.5 X 2.1mm
Alternate Type:	Composite (digital audio jacks)	**Input Impedance:**	75 ohms/50K ohms	**DC Input Voltage/Polarity:**	12V center positive
Resolution Formats:	480i/p, 540i/p, 720p, 1080i/p	**Min Load Impedance:**	75 ohms/10K ohms	**Max DC Input Current:**	350mA
Input/Output Impedance:	75 ohms	**Multi-channel Digital Audio:**	Yes	**Power Supply:**	PN: 571-013, 12V DC 1A
Input Ground Isolation:	No	**Frequency Response:**	10-50KHz	**Heat Output:**	22 BTU/hr
Video Gain:	1	**S/N Ratio:**	75dB	**Size w/o feet (H-W-D, in.):**	3.5 x 16.7 x 9
Gain Accuracy:	2%	**THD+Noise:**	0.02%	**Warranty:**	One year replacement
3dB Bandwidth:	180MHz	**Crosstalk:**	-70dB	**Agency Approvals:**	FCC
Input Coupling:	AC	**Agency Approvals:**	FCC	**Accessories Included:**	IR remote with batteries,
S/N Ratio:	65dB				AC adapter, rack ears, manual