UltraMatrix AV

Audio / Video Matrix Switch

Available in 3 different models, an 8 x 8, 16 x 16, or 16 x 32 model combinations (8x8 and 16x16 offer audio switching option)

Switch input video and audio sources to one or more video and audio outputs

Switch video and audio from any input to any output

Click and switch on-screen matrix for quick and easy video and audio routing

Built-in macro player/recorder for controlling video and audio switching

Features and Benefits

- Available models:
  - 8 video/audio in – 8 video/audio out
  - 16 video/audio in –16 video/audio out
  - 16 video/audio in – 32 video/audio out (NOTE: Audio option available on 8x8 and 16x16 models)
- Extends the monitor and speakers up to 100 feet from the unit
- Supports all video formats (VGA / SVGA / XGA / RGBHV / SOG and others)
- Video bandwidth of 200MHz
- Supports resolutions up to 1600 x 1200
- Save and playback up to 50 different macro routing sequences
- Click and switch intuitive software for video and audio switching
- Add additional units to increase the number of monitors (up to 64)
- Windows based software control for quick and easy switching

The UltraMatrix AV™ Advantage . .

Designed especially for control rooms, audio/video presentations, security centers and many other digital media applications.

Easily connect any video / audio source to any video / audio output using the switching matrix software. Video and audio sources are routed together from an input source to an output destination.
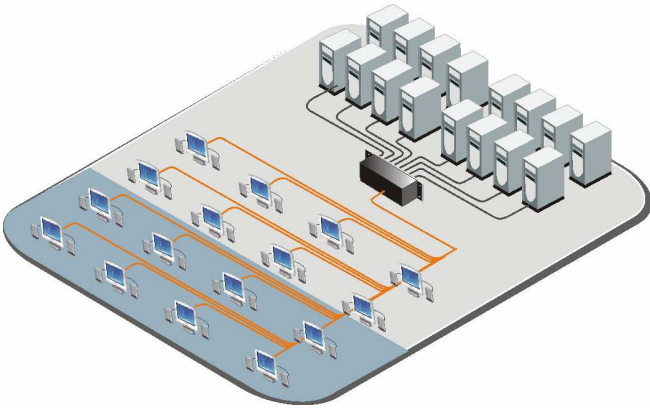
Record your video and audio switching scheme and save it in a macro for on demand use.

Display the switching matrix panel and where the source and destination cross, click on that point and the video and audio are instantly switched.

Pick the source, pick the destination, Click on the cross-point in the matrix and instantly switch

ROSE ELECTRONICS
WWW.ROSE.COM
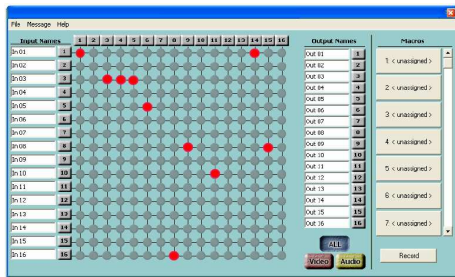
Typical Application

Switch up to 8 or 16 video / audio sources

Overview   The UltraMatrix AV is a high-quality video and stereo audio switching matrix. Up to 8 or 16 video and 8 or 16 audio sources can be switched to eight, sixteen, or 32 different video monitors and stereo speakers up to 100 foot away. Video and audio sources are switched together to multiple destinations.

Installation   Installing your UltraMatrix AV is an easy and simple process. Connect your computers video and audio output ports to the corresponding ports on the right side or the rear panel. Connect the monitors and stereo speakers to corresponding ports on the left side of the rear panel. Install the communication software on the controlling computer. Connect the controlling computer's serial port to UltraMatrix AV's serial connector using a serial control cable and apply power.

Operation

Choose the video and audio source from the left column, choose the destination from the top row, click on the cross point and the connection is made. Record a switching sequence and save it in a macro. Play a macro simply by clicking of the specific macro button.

Note: All models switch using the matrix software, the 8x8 model can also be operated from the front panel push buttons and LCD display.

Part Numbers

UMA-08VX08V	8 x 8 AV Matrix switch (VGA)
UMA-16VX16V	16 x 16 AV Matrix Switch (VGA)
UMA-16VX32V	16 x 32 AV Matrix Switch (VGA)

-A1 part number suffix = uni-directional audio

Specifications

Dimensions	Width	Depth	Height	Weight
8 x 8 (in)	19.0	11.25	2.62	8 lbs
(cm)	48.2	28.6	13.3	3.0 kg
16 x 16 (in)	19.0	11.25	5.24	20 lbs
(cm)	48.2	28.6	13.3	7.5 kg

Resolution   Up to 1600 x 1200

Bandwidth   200 MHz

VIDEO
Input Signal   1 Volt pk-pk
Input Impedance   75 Ω
Output Impedance 100 Ω

AUDIO
Freq. Response   20 Hz to 20 KHz +/- 0.5dB
Signal   15KHz 0 dB unbalanced, 100 Ω

Connectors
Video   HD15F
Audio   3.5mm stereo audio jack

Power   16 x 16 - 90 – 230 VAC IEC, 1A 50/60 Hz
             8 x 8 – 90 – 230 VAC, 3A 50/60Hz to
                   5VDC power adapter
             .

Rear Panel

8 video & 8 audio in | 8 video & 8 audio out

16 video & 16 audio out | 16 video & 16 audio in

W W W . R O S E . C O M