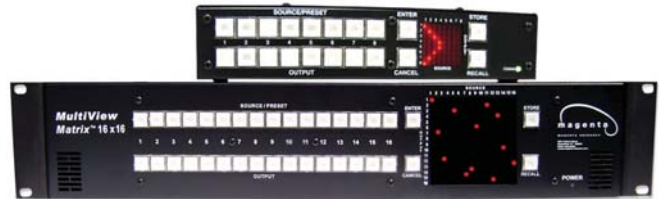


## MultiView™ Matrix Switchers

### Cat5-based Full-matrix Switchers Enable Source-to-Destination Routing Flexibility

Fully compatible with Magenta's  
industry-leading MultiView™ Series

MultiView Matrix 8x8: 2211037



MultiView Matrix 16x16: 2211038

Magenta Research's MultiView Matrix™ 8x8 and 16x16 switchers integrate seamlessly between the high-performance MultiView line of video, audio and serial over Cat5 transmitters and receivers. Both models switch any combination of signals, as supported by the transmitter/receiver configuration. The switchers incorporate a unidirectional (simplex) serial data layer that permits source-to-destination routing of control signals

The MultiView Matrix 8x8 and 16x16 Cat5 switchers feature multiple control options:

- Intuitive front-panel pushbuttons, including programmable presets to store commonly used switching configurations
- GUI (Graphical User Interface), software included
- 3<sup>rd</sup>-party control software, via the RS-232 port
- Via serial over IP (TCP/IP, UDP), by adding the optional IP/Com interface module

Both the 8x8 and 16x16 switchers include a unique LED display, illustrating the current source-to-output configuration at a glance. The front panel pushbuttons also illuminate when activated for ease-of-use.

Incorporating Cat5 connections results in a much smaller installation footprint versus a similar BNC-based setup. The MultiView Matrix 16x16 also comes with all hardware needed for rack mounting. The Matrix 8x8 can be rack mounted with an optional kit.

#### MultiView Matrix Features / Benefits:

- Cat5 inputs and outputs replace multiple BNC connections, saving rack space and installation labor
- Easy to use front panel push buttons, RS232 or GUI control
- LED matrix shows all active inputs/outputs at a glance
- Compact form factor
- Full compatibility with Magenta's MultiView Series
- Programmable presets for quick-change configurations
- Rack-mountable

Sample Companion Products - for a complete listing, please visit our website: [www.magenta-research.com](http://www.magenta-research.com)



MultiView 250A  
Receiver 400R3284



MultiView AK500  
Receiver 400R3299  
AK500DP: 400R3274  
AK500-SA: 400R3348



MultiView AK1000DP  
Receiver 400R3093  
AK1000A: 400R3094  
AK1000-SA: 400R3349

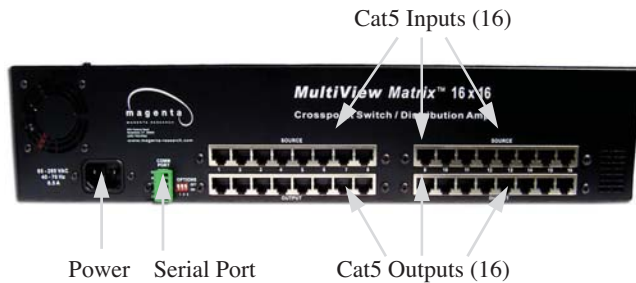


MultiView XR2000  
Receiver 400R3602  
XR-2000A: 400R3584  
XR-2000-SA: 400R3614

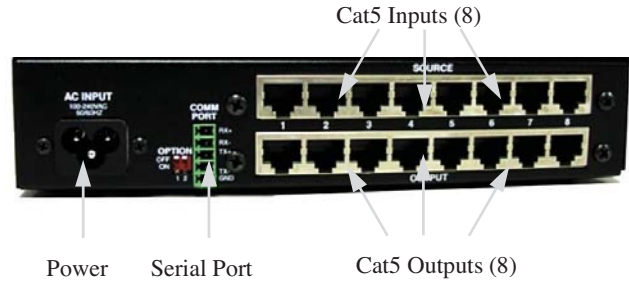


Morph-It Powered Rack  
Frame 400R3314  
Dual EQ Card: 400R3308  
Dual Trans. Card: 400R3381

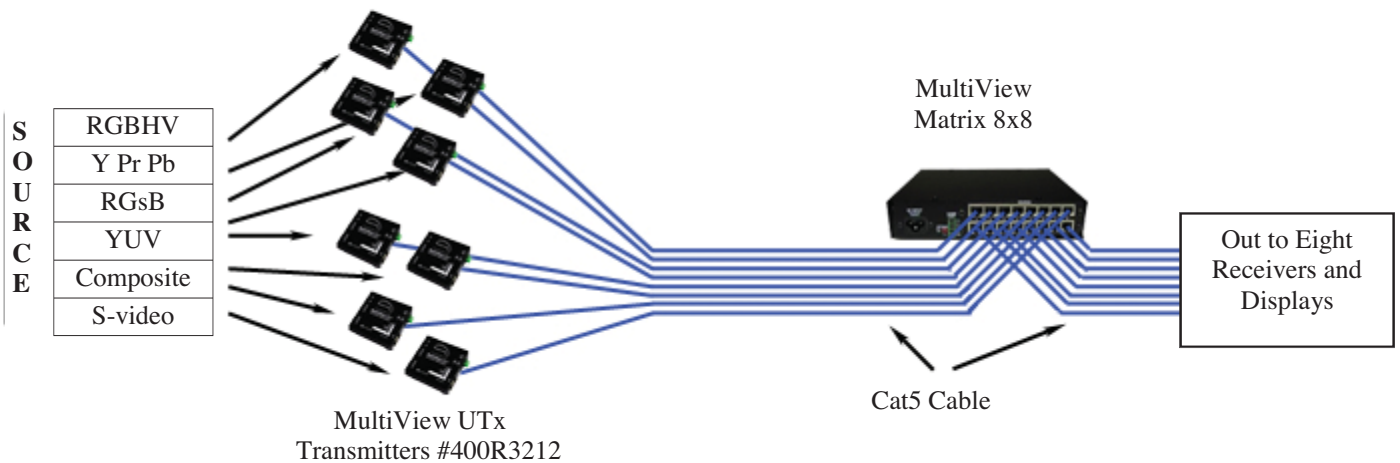
## Matrix 16x16 Rear Connectors



## Matrix 8x8 Rear Connectors



## Matrix 8x8 Sample Layout



## Specifications

### Video transport:

RGBHV, RGsB, S-video, Component, YUV, HDTV, Y/C, NTSC, PAL, (model and/or configuration-dependent)

### Audio transport:

Line-level combined L&R, stereo, or SPDIF digital audio (model and/or configuration-dependent)

### Serial data transport:

Uni-directional RS232 to 19.2k baud (model and/or configuration-dependent)

### Maximum Resolution:

2048 x 1538 @ 70Hz or 1600 x 1200 @ 60Hz (receiver-dependent)

### Switch control:

Serial control port: RS232, RS422 or RS485 via captive screw connector

### Baud rate:

9600, 8 bit, 1 stop bit, no parity or 19.2k, 8 bit, 1 stop bit, no parity

### User Interfaces:

Front panel push buttons, GUI (included), IP (optional) or 3rd party control via RS-232

### Power:

90-240 VAC @ 50/60 Hz, internal (power cord included)

### Consumption:

Matrix 8x8: 35 watts maximum  
Matrix 16x16: 49 watts maximum

### Dimensions:

Matrix 8x8: 8.12" W x 6.5" D x 1.75" H (20.6 cm x 16.5 cm x 4.45 cm)  
Matrix 16x16: 17.2" W x 6.8" D x 3.5" H (43.6 x 17.2 x 8.86 cm)  
19.0" W with included mounting brackets (48.3 cm)

### Weight:

Matrix 8x8: 2.8 lb (1.3 Kg)  
Matrix 16x16: 6.5 lb (2.9 Kg)

### Enclosure:

Powder-coated steel (Galvanneal process)

### Operating temp:

0 to 40° C

### Storage:

-20 to 60° C

### Humidity:

80% non-condensing

### MTBF:

100,000 hours

### Approvals:

CE, FCC (16x16) / FCC (8x8)

Magenta Research is the industry-recognized leader in the adaptive distribution and switching of video/audio/serial signals over Cat5 cable, and more recently, DVI over fiber and/or Cat6. Over ten years, Magenta has developed the highest-performance, most flexible video-over-Cat5 product line, the MultiView Series. The company utilizes patent-pending RepliSync™ and complex, state-variable signal EQ technologies to enable WUXGA video distribution at 2,000 feet (610m) and QXGA video at 1,000 ft. (305m). MultiView Series transmitters, receivers, switchers and distributive systems have been installed in a large variety of A/V applications, especially dynamic signage for airport, retail, fast food, museum, casino, theatre, courtroom and corporate applications. Based in New Milford, CT, Magenta utilizes a network of international distributors, manufacturers representatives and resellers to market its enabling technology worldwide.

