

## Morph-It™ Rack-based Cat5 Distribution Platform

### Powered Rack Mount Frame Holds 16 Accessory Cards in Only 4U

Versatile solution saves money,  
installation time and rack space, especially in  
source-centric and switched environments



**Morph-It 400R3314**

As its name implies, Magenta's Morph-It™ Cat5 distribution platform may be configured for a variety of different video transmission and switching applications. The Morph-It platform includes a 4U, 16-slot frame and a selection of multiple accessory cards, which are powered via the Morph-It's backplane.

Combining MultiView Dual EQ cards with a MultiView Matrix or Mondo Matrix can add +/- 500 feet of effective cable length. Especially useful in a switched environment, the ability to null input distances results in users setting skew and EQ for cable length once, rather than adjusting every time a new input and source are paired. This solution eliminates the need for input Cat5/UTP lengths to be similar.

Another benefit is the potential to use shorter distance MultiView receivers on the display end, thus reducing equipment costs. For example, the illustration on page two demonstrates how less-expensive AK600 receivers can replace AK1200 receivers.

Morph-It also accepts MultiView Dual Transmitter Cards. With its 16 slots, Morph-It can hold and power 32 transmitters in 4U (see page two), compared to the 10U that would be needed to more conventionally rack mount and power 32 MultiView UTx Transmitters — saving 6U of rack space, installation labor and *at least* 25% of the equipment cost. (Morph-It is cost effective when there are 12 or more sources co-located).

Dual (redundant) power supplies are a standard feature of the Morph-It platform.

Multiple versions of the Dual Transmitter Card address a variety of user needs, and are listed in the Specifications section.



MultiView Dual EQ Card  
400R3308



MultiView Dual Transmitter Card  
400R3381

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



MultiView MV500A  
Receiver 400R3450  
MV500S: 400R3649



MultiView AK600DP  
Receiver 400R3755  
AK600DP-SA: 400R3765  
AK600DP-SAP: 400R3769



MultiView AK1200DP  
Receiver 400R3681  
AK1200DP-SA: 400R3690  
AK1200DP-SAP: 400R3694

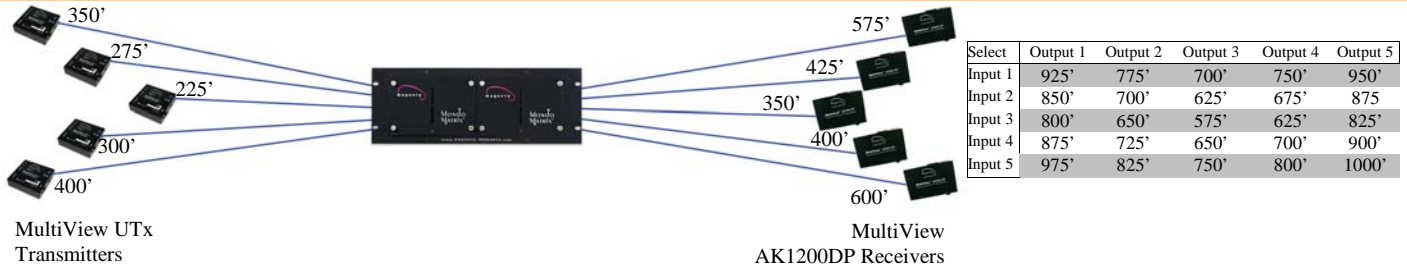


MultiView XR-2000  
Receiver 400R3584  
XR-2000-SA: 400R3614  
XR-2000-SAP: 400R3585

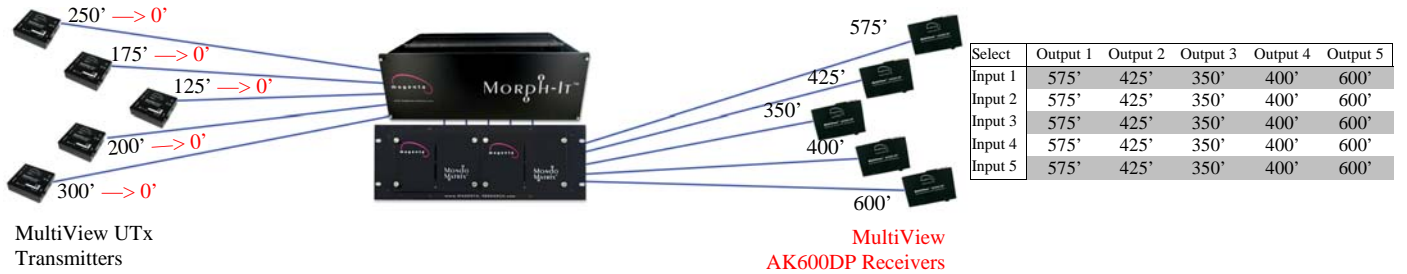


Mondo Matrix  
Cat5-Scaleable Switch  
221R3001

## Mondo Matrix Switch Configuration

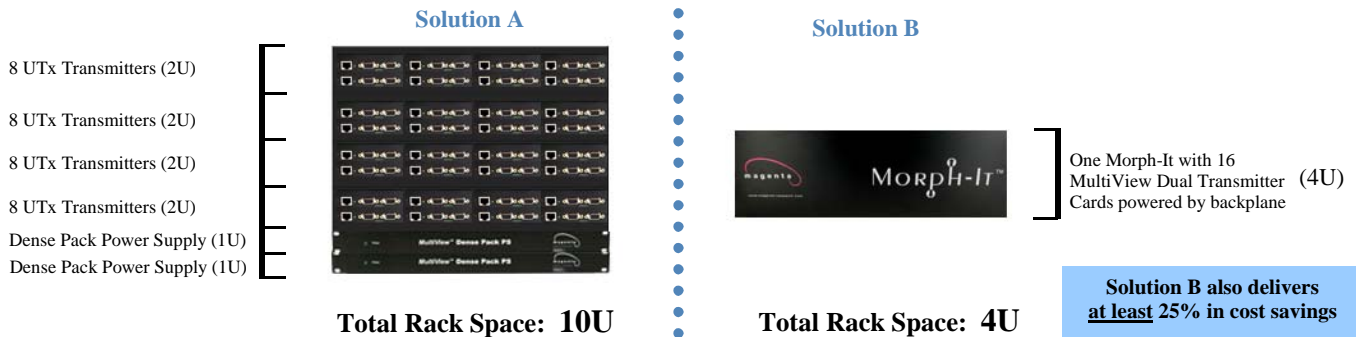


## Mondo Matrix Switch Configuration With Morph-It



In the above application, a Morph-It equipped with Dual EQ Cards nulls cable input lengths for the five MultiView UTx Transmitters ahead of the Mondo Matrix A/V Switch. Benefits: A) any input can be switched to any output without a need for receiver adjustments and B) less expensive AK600DP receivers can be utilized in place of AK1200DP receivers.

## Rack Mount Space Savings—32 Transmitters



## Specifications

**Size:** 4U **Capacity:** 16 - Single-slot accessory cards  
8 - Double-slot accessory cards

**Power Requirement:** 90-264VAC 47- 63HZ 100 Watts max

**Temperature:** 0 - 40C **Humidity:** 80% non-condensing **MTBF:** 100K hrs

**Weight:** 14.2 lb. empty / 24 lb. fully populated with 8 double-slot Dual Transmitter cards

**Compliance:** CE, FCC Class A (Dual Transmitter Card pending approval). CE safety pending approval.

### Morph-It Accessory Cards:

#### MultiView Dual EQ Card #400R3308

Size: Morph-It single-slot form factor (max 16 per frame)  
Connections: (2) UTP inputs, (2) UTP outputs  
Power Requirement: 250mA max (driving white screens)

#### MultiView Dual Transmitter Card #400R3381

Size: Morph-It single-slot form factor (max 16 per frame)

Connections: (2) HD15 inputs, (2) UTP outputs, (2) Phoenix  
Power Requirement: 110mA max (driving white screens)

#### MultiView Dual Transmitter Card w/ Local Video Ports #400R3382

Size: Morph-It double-slot form factor (max 8 per frame)  
Connections: (2) HD15 inputs, (2) UTP outputs, (2) Phoenix,  
(2) local monitor outs  
Power Requirement: 110mA max (driving white screens)

#### MultiView Dual Transmitter Card w/ Local Video Ports and Duplex EIA-232 #400R3384

Size: Morph-It double-slot form factor (max 8 per frame)  
Connections: (2) HD15 inputs, (2) UTP outputs, (2) local monitor outs, (2)DB9  
Power Requirement: 170mA max (driving white screens)

#### MultiView Dual SA Transmitter Card w/ Local Video Ports, Duplex EIA-232 and Stereo Audio #400R3383

Size: Morph-It double-slot form factor (max 8 per frame)  
Connections: (2) HD15 inputs, (2) UTP outputs, (2) Phoenix,  
(2) local monitor outs, (2)DB9  
Power Requirement: 170mA max (driving white screens)

Magenta Research is the undisputed leader in the adaptive distribution and switching of audio/visual signals over Cat5 cable. 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). 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.

