

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

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



MultiView Dual Transmitter Card

Companion Products:



MultiView MV500A
MultiView MV500S



MultiView AK600DP/
DP-SA / DP-SAP Receiver



MultiView AK1200DP/
DP-SA / DP-SAP Receiver

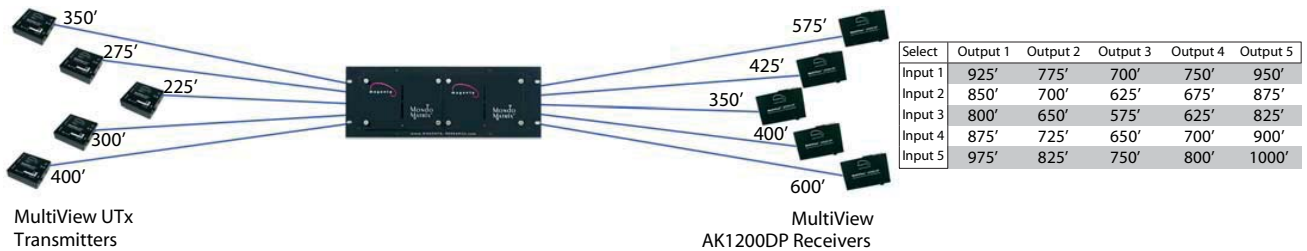


MultiView XR-2000
-SA / -SAP Receiver

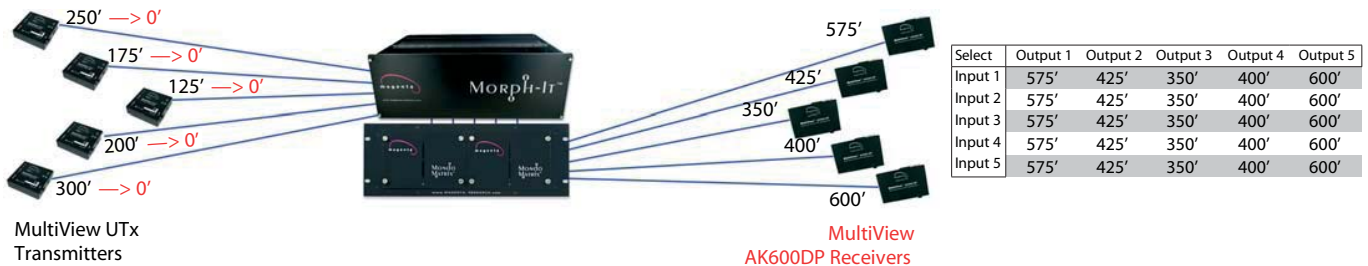


Mondo Matrix
Cat5-Scaleable Switch

Mondo Matrix Switch Configuration

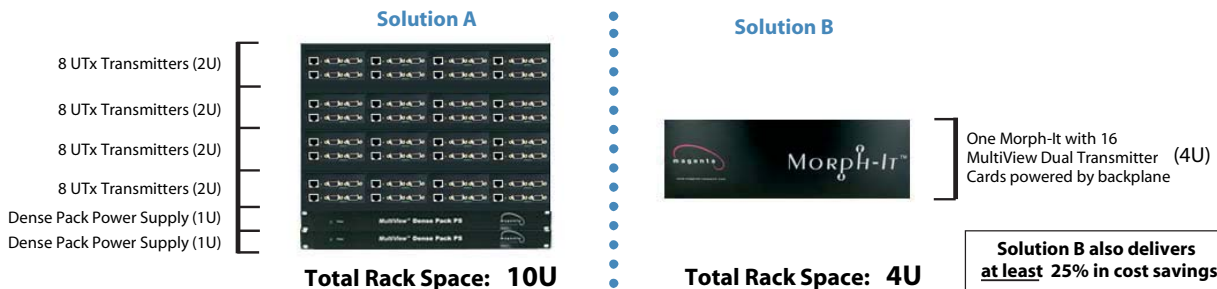


Mondo Matrix Switch Configuration With Morph-It



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

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

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

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

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

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)