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.
Mondo Matrix Switch Configuration

**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, (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)

**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 Transmitter Card w/ Local Video Ports and Duplex EIA-232 #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)

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, switches 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.