

Magenta Research Dual EQ Cable Compensation Card.

The Magenta Research Dual EQ Cable Compensation card is a 2 channel device installed in a Morph-IT frame assembly and used to add or subtract -500 to +500 feet of CAT5 cable length.

Each Dual EQ card utilizes one slot of the Morph IT frame. Up to 16 units may be installed in a single Morph IT for compensating 32 single cat5 cable runs.

Typically uses include equalizing cable lengths from Magenta transmitters to a matrix switch. Each channel features 6 ns of skew delay per color.

Recommended operation to normalize transmitter to Magenta cat5 matrix switch Cat5 cable lengths to zero ft is to install the Morph IT as close to the matrix switch as possible and connect a Magenta receiver unit set for zero cable length and a display to the output side of the Dual EQ card and adjust the display image for best picture clarity.

Two ports may be cascaded together to reduce a maximum of 800 ft of cat5 cable. It is not recommended to go beyond this as picture quality will suffer.

Skew compensation may be adjusted as well if necessary. (reference AK series receiver user manual for instructions).

