

## MultiView™ 500A/500S Receiver

# 500 Series Receivers Lower Cost-per-Distance Expense

User configurable, HD-ready receivers with options for video + audio or video + simplex/duplex RS-232



**MultiView 500A Receiver**  
**400R3540**

Magenta Research's MultiView 500 Series receivers offer a cost-effective, yet performance driven means to deliver high-resolution video + audio or video + RS-232 signals over UTP cable.

Continuing the Magenta standard of offering UTP receivers in varying distance tiers—ensuring users only pay for the distance needed—the MultiView 500 receivers replace the 250A receiver as Magenta's shortest distance receiver offered. While effective distance transmission has doubled in this first tier of receivers, 500 Series receivers are priced competitively, providing users with a lower cost-per-distance solution from Magenta than ever before. Magenta's tiered distance offerings for MultiView receivers are rounded out by the AK600, AK1200 and XR-2000 products.

Externally-located dipswitches allow for simple selection of different analog video formats, whether it be RGBHV, component, S-video or composite, while a second external dipswitch lets users equalize the signal for cable length, choosing from four distance stages; 1-125 feet, 125-250 feet, 250-375 feet or 375-500 feet. Resolutions to 1366x768 are supported, including 720p HDTV modes.

The MultiView 500S receiver offers another first from Magenta—external switches toggle between simplex and duplex RS-232 modes. MultiView receiver adjustment and configuration has never been easier!

The MultiView Series provides a “building block” approach to signal distribution over Cat5. MultiView 500A and 500S Receivers may be linked to a MultiView UTx Universal Transmitter, a PCI card transmitter or MultiView T4/T5 multiple output transmitters in order to cover any application. When utilizing cascaded transmitters, MultiView Cat5 distribution amps and MultiView full-matrix Cat5 switchers, signals can be distributed to hundreds of displays from one or multiple sources.

### Companion Products:



MultiView UTx  
Transmitter 400R3212



MultiView PCI  
Transmitter 400R3246



MultiView T4A  
Transmitter 400R2960



MultiView T5A  
Transmitter 400R3006



MultiView 9D  
Distribution Amp  
221R1029

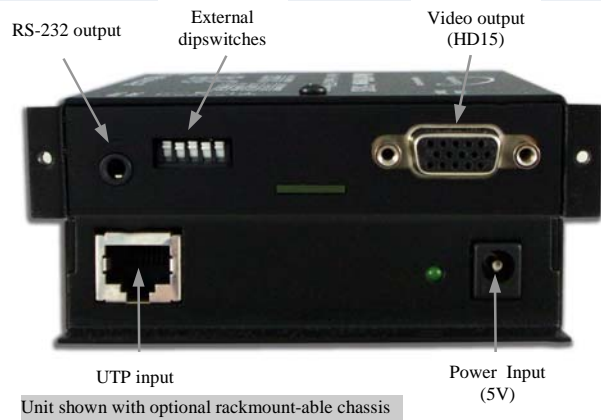


Mondo Matrix  
Cat5 Switch  
16x16—256x256  
221R3001

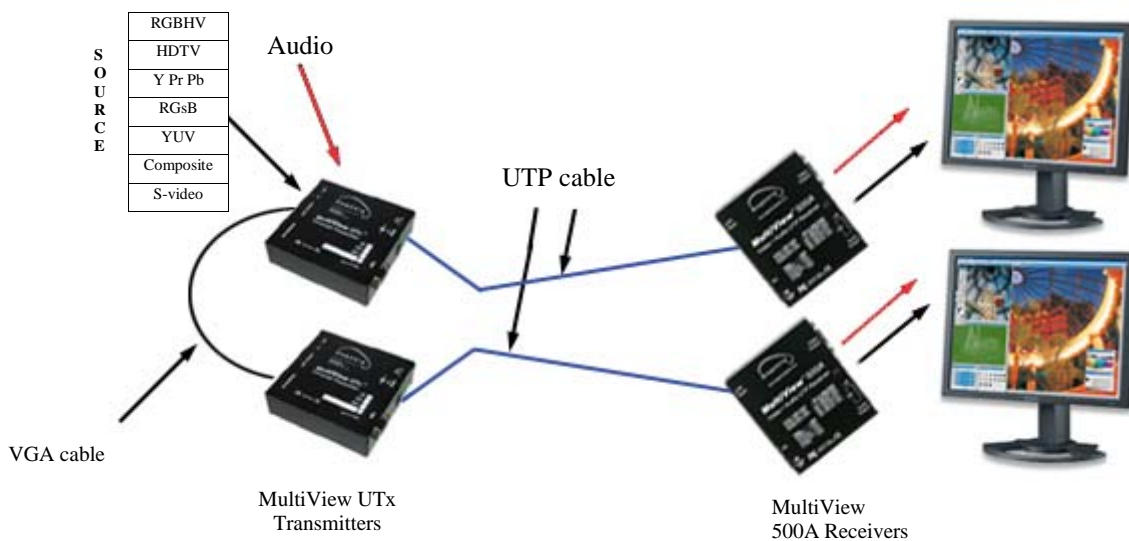
## Benefits of MultiView™ MV500A/S:

- Low-cost MultiView solution for short distance, point-to-point video and audio or serial applications
- UXGA (1366x768) @ 500 feet (152 meters)
- External dipswitch-configurable video format (RGBHV, component, composite S-video and HDTV modes)
- External 4-level cable length EQ adjustment
- External audio enable/disable (MV500A)
- External simplex/duplex serial configuration (MV500S)
- Electrostatic Discharge (ESD) protection on all I/O circuits
- Rugged, Galvanneal steel enclosure
- Highly immune to electrical noise or vibration
- Dedicated Cat5 cable operates outside existing IT networks

## MultiView MV500S Front/Back Connectors



## MultiView MV500A with Cascaded Transmitters Sample Application



## Specifications

**Cable Required:** Category 5, 5e, 6 shielded or unshielded twisted pair

**Compliance:** CE; FCC Class A, IC Class/class A

**Video Support:** to WXGA (1366x768 @ 60Hz), RGBHV, RGB, Composite, S-Video, Component Video modes

**Maximum Resolution and Refresh Rate:** At 500 ft. (152 m) or less, 1366x768 at 70 Hz

**Required Source Impedance:** Video OUT: 75 ohms;  
Audio OUT (if any): 600 ohms maximum

**Required Destination Impedance:** Video IN: 75 ohms;  
Audio IN (if any): 600 ohms minimum

**Audio Characteristics:** Channels: Right/Left summed;  
Line Level 600 Ohm Unbalanced

**Serial Characteristics:** Protocol: Asynchronous; transparent to data format;  
transparent to data rates up to 19.2 kbps duplex;  
data rates to 115 kbps simplex 3 wire Tx, Rx, Gnd

**Connectors:** (1) 3.5-mm, (1) RJ-45, (1) HD15 F

**Temperature Tolerance:** Operating: 32 to 104°F (0 to 40°C);  
Storage: -4 to +140°F (-20 to +60°C)

**Humidity Tolerance:** Up to 80% noncondensing

**Enclosure:** Steel

**Power:** +5 VDC @ 260 mA max (power supply sold separately)

**Consumption:** 1.3 watts maximum

**Size:** 0.88 "H x 3.12"W x 3.75"D (2.2 x 7.9 x 9.5 cm)

**Weight:** 0.56 lb. (0.26 kg)

### Part numbers:

MV500A: 400R3540-01

MV500S: 400R3649-01

### Accessories:

Rigid mount bracket for MV500A: 400R3666-01

Rigid mount bracket for MV500S: 400R3667-01

19" rack mount kit for 4 MV Receivers, 1U: 400R3668-01

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 Repli-Sync™ 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.