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 with audio or 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—MultiView 500 receivers take up residence as Magenta's shortest distance receiver offered. Even while effective distance transmission has doubled in this first tier of receivers, 500 Series receivers offer 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.

500 Series Receivers boast complete video-format agility, able to extend RGBHV, component, S-video or composite, video. Compensating for UTP cable distance length is as simple as 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—the ability to easily 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 MultiView 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:

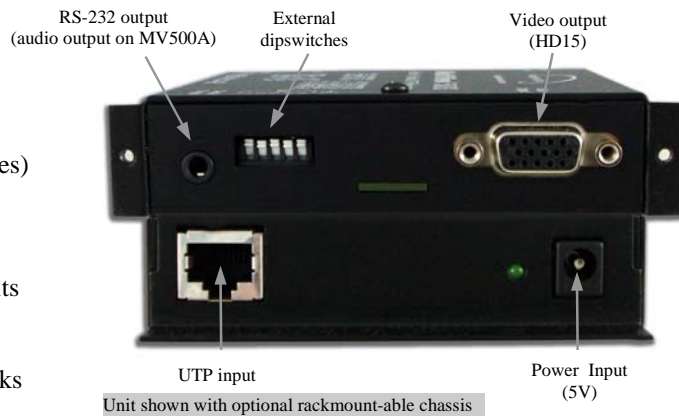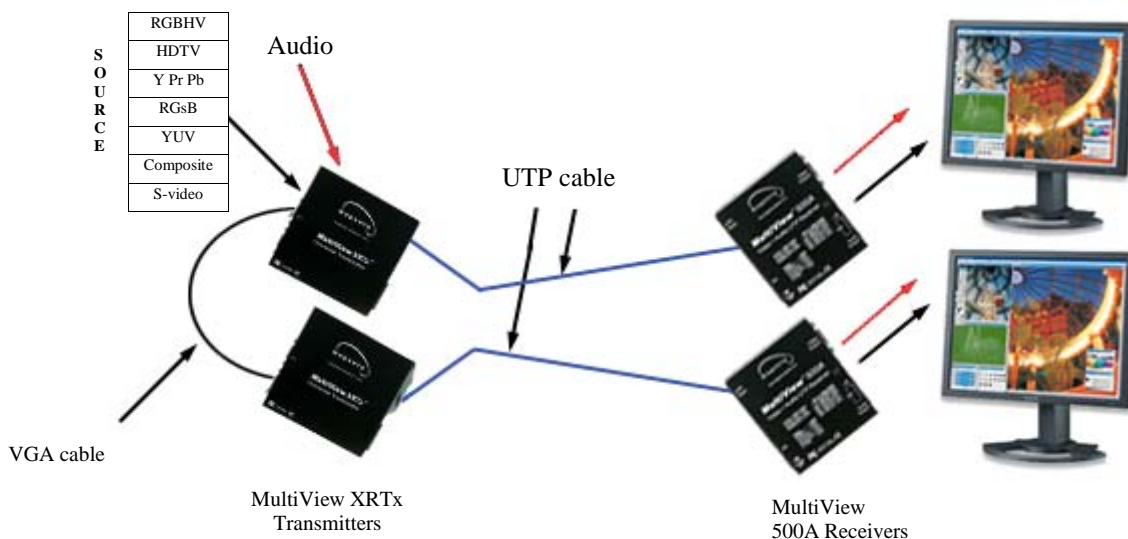| MultiView XRTx Transmitter 40R3588 | MultiView PCI Transmitter 400R3246 | MultiView T4A Transmitter 400R2960 | MultiView T5A Transmitter 400R3006 | MultiView 9D Distribution Amp 221R1029 | Mondo Matrix Cat5 Switch 16x16—256x512 221R3001 |

Benefits of MultiView™ MV500A/S:

• Low-cost MultiView solution for short distance, point-to-point video and audio or serial applications
• WXGA (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

RS-232 output (audio output on MV500A) External dipswitches Video output (HD15)

UTP input Power Input (5V)

Unit shown with optional rackmount-able chassis

MultiView MV500A with Cascaded Transmitters Sample Application

SOURCE
RGBHV
HDTV
Y Pr Pb
RGsB
YUV
Composite
S-video

Audio

UTP cable

VGA cable

MultiView XRTx Transmitters

MultiView 500A Receivers

Specifications

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

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

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

Maximum Resolution: At 500 ft. (152 m) or less, 1366x768

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

Required Destination Impedance: Video: 75 ohms;
Audio (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.