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MAGENTA RESEARCH ™

Connect with Confidence

MultiView™ *XRTx Universal* Transmitter

The Base "Building Block" for WUXGA/Audio/Serial extension to 2,000' (610m) Over Cat5/6

New Universal Transmitter maintains highest video quality and adds additional ease-of-use functions

MultiView XRTx Transmitter
400R3588-01

The MultiView XRTx Universal Transmitter remains the base-building block of the MultiView video/audio/serial over UTP product line and offers a series of upgrades and improvements, all while retaining full compatibility with MultiView receivers, distribution amps and matrix switches, including legacy products.

The XRTx maintains the video format agility Magenta is known for, accepting any type of analog video with no transmitter reconfiguration necessary. A newly added feature allows for easy, external configuration of DC Restore, AC Coupling and DDC/EDID modes, the latter which will help ensure headache-free integration with sources that utilize the Vista® operating system. Basic user instructions are also silkscreened on the bottom of each unit and the majority of internal jumpers have been replaced with switches for even easier field-configuration when necessary.

The standard XRTx offers video plus audio or video plus simplex (one-way) serial distribution. The XRTx's local monitor output can be used for source viewing or for cascading to a second MultiView transmitter.

Other XRTx versions offered include the XRTx 232, which transmits analog video plus duplex RS-232, the XRTx-SA features the ability to transfer video *plus* stereo audio *plus* duplex serial, all over a single UTP cable. Lastly, the XRTx-SAP can serve up analog video *plus* stereo audio *plus* display-addressable RS-232, which allows for duplex serial interaction with a receiver, even in a daisy-chain application.

As with any MultiView transmitter, the "married" (not "up to") resolution and distance specifications are based upon the accompanying MultiView receiver, which are offered in four different distance tiers—500 feet/152 meters (1366x768), 600 feet/183 meters (1920x1200), 1,200 feet/366 meters (1920x1200) and 2,000 feet/610 meters (1920x1200). Receiver distance ratings can be surpassed when using lower resolutions and non-RGBHV formats; especially composite video in which case an extra 500 ft. (152m) can be expected. Use with Cat5/5e or Magenta-recommended skew-free cabling. Some Cat6 may also be utilized, please contact Magenta for specific details.

Companion Products:

MultiView 500A
Receiver 400R3540

MultiView K-500TD
Receiver 4003377

MultiView AK600DP-A
Receiver 400R3755

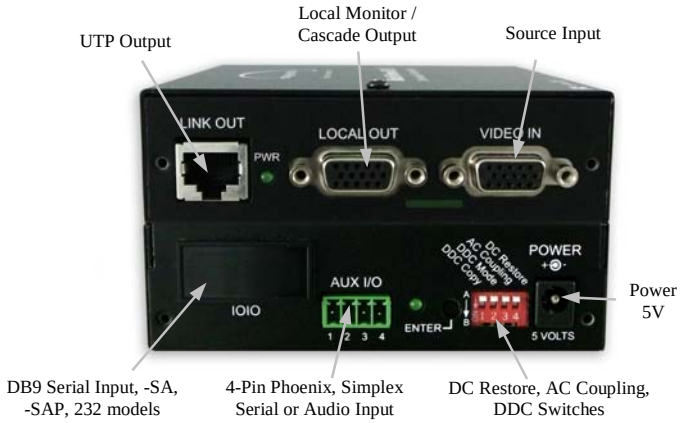
MultiView AK1200DP-A
Receiver 400R3681

MultiView XR-2000DP-A
Receiver 400R33584

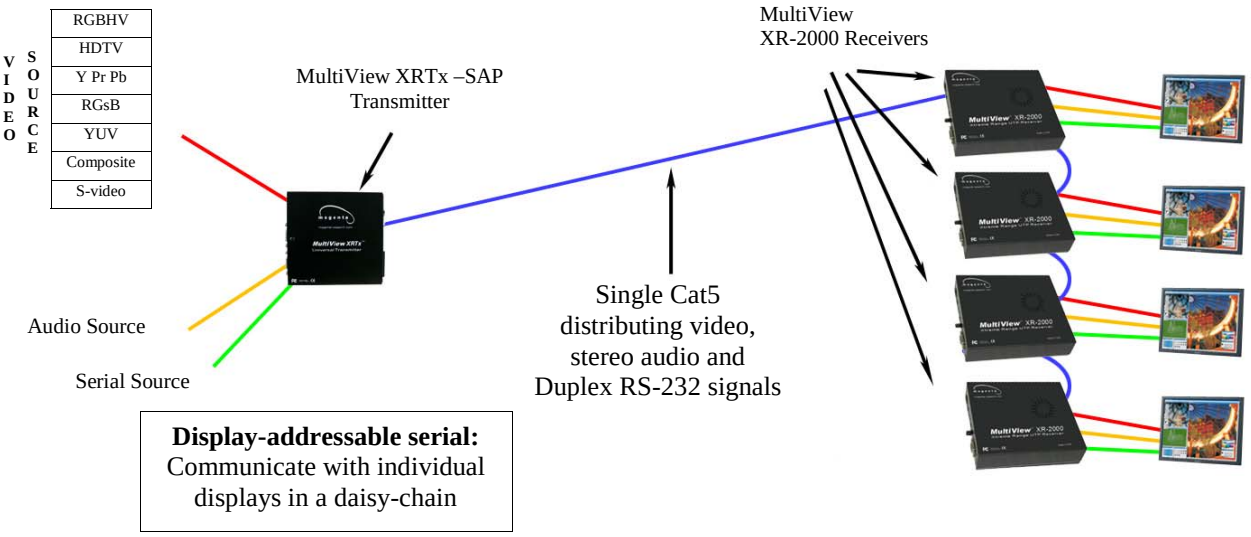
Benefits of MultiView™ XRTx:

- Video signals from composite to 1920x1200 resolution
- Configurable: factory-set according to user's requirement or can be changed in the field
- Faster rise times and improved RepliSync™ technology
- Multiple DDC/EDID modes of operation
- Built-in simplex serial or summed audio capability
- Selectable 4th pair use for additional audio/video channel
- Compatible with all MultiView Series receivers, distribution amplifiers and full-matrix switchers
- -SA option enables video + stereo audio + duplex RS-232 on a single UTP cable
- -SAP option adds display-addressable serial, allowing duplex serial interaction even in a daisy-chain application

XRTx Front/Back Connectors



MultiView XRTx Sample Application with Daisy-chained XR-2000 Receivers



Display-addressable serial: Communicate with individual displays in a daisy-chain

Specifications

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

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

Video Support: VGA, SVGA, XGA, XGA-2, RGBHV, RGB, Composite, S-Video, Component Video modes

Maximum Recommended Resolution:
WUXGA; 1920x1200 (receiver dependent)

Required Source Impedance:
Video OUT: 75 ohms;
Audio models: Audio OUT (if any): 600 ohms maximum
SPDIF audio models: 75 Ohm

Required Destination Impedance:
Video IN: 75 ohms; Audio models: Audio IN (if any): 600 ohms minimum
SPDIF audio models: 75 Ohm.

Audio Characteristics: Channels: Right/Left summed;
Line Level 600 Ohm Unbalanced SA/SAP versions are full stereo audio

MTBF: 100,000 hours

Serial Characteristics:
Protocol: Asynchronous; transparent to data format; transparent to data rates up to 19.2 kbps full duplex; data rates to 115 kbps simplex, half-duplex modes. SA/SAP versions are 3 wire, fixed baud rate of 9600.

Connectors: XRTx: (1) 4 position phoenix, (1) RJ-45, (2) HD15 F;
XRTx 232: (1) DB9 M , (1) RJ-45, (2) HD15 F;
XRTx SA/SAP: (1) 4 position phoenix, (1) DB9 M, (1) RJ-45, (2) 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; Consumption: 5 watts maximum

Size: 1.2"H x 4.2"W x 4.3"D (3.1 x 10.4 x 10.9 cm)

Weight: 1.0 lb. (0.45 kg)

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 RepliSync™ 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.