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The Industry's First Universal Twisted Pair Transmitter

Dramatic Savings in Cost, Installation Time, Equipment, and Rack Space

Whenever the functionality you need is available in one piece of equipment, the convenience, efficiency, flexibility, and cost savings can be substantial.

We are happy to introduce the Extron MTP U T A D Universal Twisted Pair Transmitter, the industry's first universal twisted pair transmitter.



Four Sources, One Transmitter

With dedicated VGA, HD component video, S-video, composite video, and audio inputs, the MTP U T A D can send a variety of video signals, along with summed mono audio signals, over a single CAT 5-type cable. This eliminates the need for multiple transmitter units and multiple cables for each source; with the MTP U T A D, you have four inputs always available in one unit.



The Industry's First Universal Twisted Pair Transmitter — continued

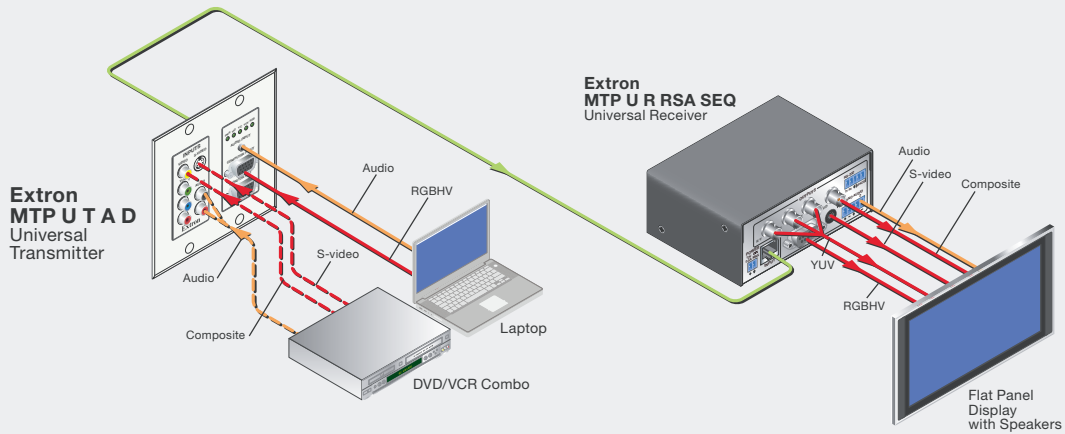


Figure 1: Switch four inputs to one universal receiver over a single CAT 5-type cable.

A four-in-one unit provides substantial convenience and flexibility. One transmitter with four inputs means less equipment, cables, and rack space, which translates into reduced costs, installation time, and labor. In fact, the cost savings can be dramatic when you eliminate additional switchers, transmitters, and receivers. Also, cabling requirements are significantly reduced when multiple signals can be routed over a single CAT 5-type cable, so there are fewer cables to pull, which results in further savings in the cost of labor.

Point-to-Point System

The universal transmitter can be used in a point-to-point basic system when paired with an Extron Universal Twisted

Pair Receiver, or it can be used to expand the inputs of other twisted pair switching systems.

To take full advantage of the transmitting capabilities of the MTP U T A D, it is ideally paired with an Extron Universal MTP receiver (Figure 1). This transmitter/receiver pair enables the user to achieve with two pieces of equipment what normally takes as many as nine. For example, depending on your needs, you can replace up to four transmitters and four receivers when a single video format is needed at a time. One universal transmitter, one universal receiver, and one CAT 5-type cable provide all that is needed to handle most signal requirements.

Providing Auxiliary Inputs to Twisted Pair Switching Systems

The MTP U T A D can provide auxiliary wallplate or lectern inputs for switching systems, reducing the number of inputs required on the switcher (Figure 2). This means that instead of purchasing larger switchers to provide all of the inputs needed, you can use the universal transmitter to expand a smaller switcher's input capabilities.

Since the MTP U T A D is a single product capable of doing the job of four individual transmitters, imagine the savings when you can purchase smaller, less expensive switchers, eliminate additional transmitters and receivers, and reduce the amount of

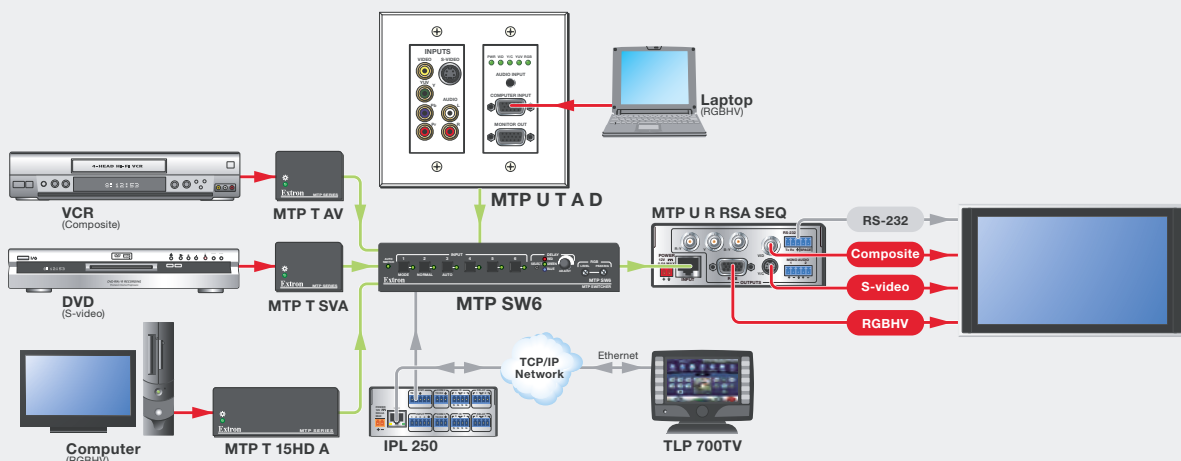


Figure 2: Expanded input capability provided by MTP U T A D universal transmitter



cabling and manpower needed as a result of less equipment to install and fewer cables to pull. Also, less equipment means that there will be less rack space required, fewer components to manage in the rack, and more rack space available should you need it for something else.

Form, Fit, and Function

The design of the MTP U T A D provides many other benefits. First, the MTP U T A D has a compact footprint that requires less space. It mounts in an included standard two-gang Decora®-style wallplate, which makes the unit ideal for flexible and aesthetic mounting in a wall, floor box, or lectern/podium. Also, the compact design enables the cabling to be managed in the wall box. The standard two-gang wallplate takes up less space and costs less than the four-gang wallplate that is required in other applications that use four individual transmitters. And of course, using other systems would require a larger wallplate, more power outlets, more cabling, larger conduit to run to the electrical box, more labor from electricians, more components to manage, and ultimately, more money.

EDID Emulation Mode Ensures Optimum Signal is Provided to the Display

EDID emulation mode is another selectable feature of the MTP U T A D. In the absence of a local monitor, such as when the MTP U T A D is used with a laptop, EDID emulation mode is one of the universal transmitter's most useful features. It ensures that the laptop or PC provides video at a resolution that is suitable for the system. This feature gives the user an always-functioning system with worry-free operation, so you can be confident that the system will always provide your customers with what they need.

EDID emulation maintains constant EDID communication with the PC or laptop by providing pre-stored EDID information for various signal resolutions. A user can select the desired signal resolution to match the native resolution of the intended display device, and then the corresponding EDID block is conveyed to the attached laptop or PC. This EDID information is constantly available to the source, ensuring consistent and reliable image display.



MTP U R RSA SEQ

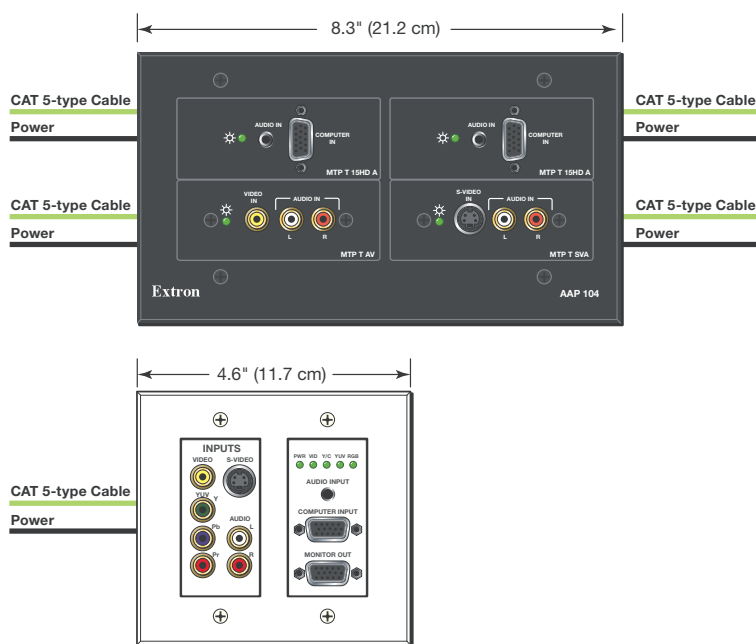
MTP U Series Receivers

Universal MTP Twisted Pair Receivers

The Extron MTP U R Universal Mini Twisted Pair Receivers accept a wide variety of video formats along with audio and RS-232 control signals on a single CAT 5-type cable, providing dramatic cost savings with superior performance in complex twisted pair matrix switching applications.

- Receive RGBHV, component video, S-video, composite video, audio, and RS-232 over a single CAT 5-type cable
- Automatically route incoming MTP signal to appropriate video, audio, and RS-232 connector
- Compatible with MTPX and MTPX Plus Series matrix switchers and all MTP Series transmitters and switchers
- Compatible with HDTV component video, bi-level or tri-level sync
- Separate variable level and peaking controls
- Independent skew compensation adjustments for each color, SEQ models only
- Versatile mounting options
- External universal power supply included

For additional information, see www.extron.com/universalreceivers



The MTP U T A D requires only one CAT 5-type cable and one power cable, compared to four of each that would be needed for four separate transmitters.

continued on page 4



The Industry's First Universal Twisted Pair Transmitter — continued



MTP U T A D
Universal MTP Twisted Pair Transmitter
for VGA, Video, and Audio – Decora®
Wallplate

Power Management

The MTP U T A D simplifies power management, which is often challenging in an A/V system. Because the MTP U T A D requires only one power cable and one AC outlet instead of four of each that would be needed for four separate transmitters, its impact on an A/V system's power requirements is minimal. The amount of electrical connections and the size of the conduit required are reduced, and reduced power requirements also means reductions in labor, time, and cost of materials. One power source means that the system design and installation are simplified, and there is also more room for other connections.

The MTP U T A D easily mounts with Extron MR Series Modular Mud Rings, which can be used wherever they are needed to install wallplates in new or existing construction. These mud rings install without mounting to a stud or electrical gang box for maximum placement flexibility.

Two Modes of Operation: Auto-Input Switching and Contact Closure Remote Control

For user flexibility, the MTP U T A D offers two modes of operation, depending

on system needs. Auto-input switching simplifies operation by enabling multiple video formats and audio to be automatically selected or switched into a system without user interaction. With auto-input switching, the universal transmitter automatically switches to the highest-quality input with an active video signal.

Contact closure remote control enables direct control of the inputs. The user can select or switch to the desired input to send the signal into the system when needed.

Always Active Buffered Local Monitor Output

The MTP U T A D features a buffered local monitor output that is always active when a signal is present on the computer input. This supports the local monitor of a dedicated PC without the need for additional equipment, such as a distribution amplifier.

With its ability to accept any video format, from composite video through RGBHV, the computer input also provides flexibility when used with a breakout cable.

Switchable Video Output Pre-Peaking For Optimal Performance

When the MTP U T A D is used for longer cable runs to the display or in a larger system, the switchable video output

pre-peaking feature provides additional compensation for optimal performance, ensuring the highest quality signal at the display.

Two Audio Inputs for a Complete Solution

With two stereo audio inputs, one on a 3.5 mm stereo mini jack for the computer input and one on RCA for the video inputs, the MTP U T A D provides a complete computer, video, and audio switching and transmitting solution. The 3.5 mm TRS audio input is the default audio input when an active video signal is not present and only audio is desired.

MTP Products Team Up to Create a Wide Range of A/V Systems

The MTP U T A D is fully compatible with the entire Extron MTP twisted pair product line of more than 100 products, including receivers, distribution amplifiers, switchers, and matrix switchers. Together, these products provide the most comprehensive twisted pair product line in the A/V industry.

As the industry's first universal twisted pair transmitter, the MTP U T A D provides yet another option when designing twisted pair systems. With its flexibility, ease of installation, and quality performance, the MTP U T A D adds even more value and integration flexibility to the Extron MTP Twisted Pair line. 