

MTP/HDMI U R

Universal Twisted Pair Receiver for HDMI, VGA, Video, Audio, and RS-232

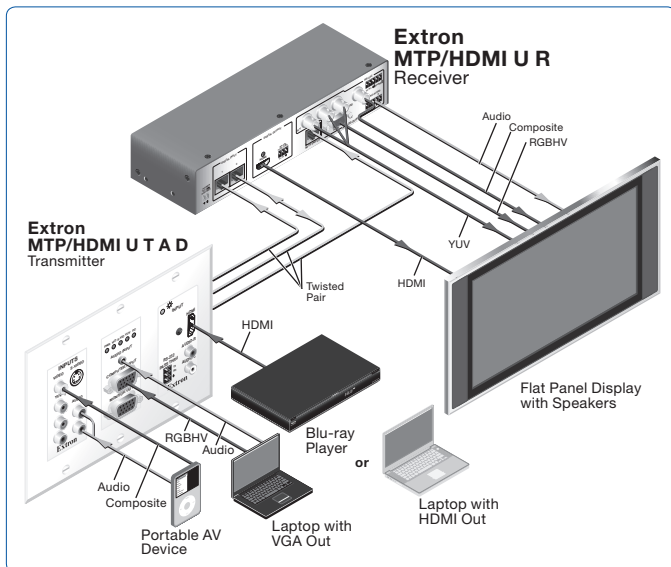


DESCRIPTION

The **MTP/HDMI U R** is a universal Twisted Pair Receiver that consolidates digital and analog video formats into a single product. It works in conjunction with the MTP/HDMI U T A D and HDMI 201 / DVI 201 transmitters to send HDMI or DVI over two twisted pair cables, and with an MTP Series transmitter to send all common analog video formats, from composite video to HDTV and high resolution RGB, as well as mono audio, over one twisted pair cable. The MTP/HDMI U R is HDCP-compliant, and receives bidirectional RS-232 signals through either twisted pair input, for remote control of a display device. It also includes separate variable level and peaking controls and automatic signal format detection for incoming MTP signals.

FEATURES

- Accepts digital and analog video formats, audio, and control signals over CAT 5-type cables
- Automatically routes incoming video signals to appropriate output connectors
- Digital Output:
 - HDCP compliant
 - HDMI compatible - Supports data rates up to 1.65 Gbps per color
 - Supports DDC transmission
 - Supports bidirectional RS-232 or IR signals
- Analog Output:
 - Supports RGBHV, HD component video, S-video, composite video, mono audio, and RS-232
 - Separate variable level and peaking controls
 - Supports bidirectional RS-232 signals
 - Compatible with HDTV component video, bi-level or tri-level sync
 - Dual mono audio output - The MTP/HDMI U R outputs balanced or unbalanced dual mono audio signals



SPECIFICATIONS

VIDEO

HDMI digital input
 Maximum data rate 4.95 Gbps (1.65 Gbps per color)
 Maximum pixel clock 165 MHz
 Signal transmission distance, digital

MTP/HDMI U R Analog Signal Maximum Transmission Distances	
Resolutions	
1024x768 @ 60 Hz	Up to 600' (183 m)
1900x1200, 2048x1080 1080p @ 60 Hz	Up to 400' (122 m)

NOTE: Shielded twisted pair cable provides added protection from outside interference and increases overall signal transmission distance. Extron strongly recommends using shielded twisted pair for optimal performance.

Standards DVI 1.0, HDMI 1.2

VIDEO OUTPUT

Connectors
 Analog output
 1 female 15-pin HD for RGB
 3 female BNC for Y, R-Y, B-Y
 1 female 4-pin mini DIN for S-video (Y/C)
 1 female BNC for composite video
 HDMI digital output
 1 female HDMI type A

SYNC — ANALOG OUTPUTS

Output type RGBHV, RGBS, component video (bi- or tri-level)
Standards NTSC 3.58, NTSC 4.43, PAL, SECAM

AUDIO — FROM MTP INPUT

Frequency response 20 Hz to 20 kHz, ±1 dB

AUDIO OUTPUT — FROM MTP INPUT

Number/signal type 2 mono, balanced/unbalanced

CONTROL/REMOTE - EXTERNAL DEVICE (PASS-THROUGH, UNIDIRECTIONAL OR BIDIRECTIONAL) FROM THE MTP INPUT

Serial control port input/output RS-232 via (1) 3.5 mm, 5 pole captive screw connector (3 poles are used)

GENERAL

Recommended cable type Shielded or unshielded
 MTP input CAT 5/5e/6
 HDMI digital input CAT 5/5e/6, Extron STP201

NOTE: Shielded twisted pair cable provides added protection from outside interference and increases overall signal transmission distance. Extron strongly recommends using shielded twisted pair for optimal performance.

Power supply External
 Input: 100-240 VAC, 50-60 Hz
 Output: 12 VDC, 1 A, 12 watts

Power input requirements 12 VDC, 0.8 A

Thermal dissipation 18.1 BTU/hr

Product weight 0.8 lbs (0.4 kg)

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
MTP/HDMI U R	HDMI/VGA/Video Twisted Pair Receiver.....	60-1048-01