VERSATOOLS™ MTP SERIES

MINI TWISTED PAIR TRANSCEIVERS

- Ultra-compact 1U, one-eighth rack width metal enclosure or double space AAP
- Composite video, S-video and stereo audio transmitters and receivers
- Transmit A/V signals up to 1,000 feet using Extron Skew-Free[™] A/V UTP or twisted pair cable (CAT 5, 5e or CAT 6)
- Gain and sharpness adjustments
- Quad standard compatible
- Versatile mounting options
- LED power indicator(s)
- External international power supply included



The Extron MTPs are economical, ultra-compact Mini Twisted Pair transceivers that permit transmission of composite video, S-video, and stereo audio (balanced/unbalanced) over Extron Skew-Free A/V UTP or any CAT 5, 5e, or 6 twisted pair cable.



DESCRIPTION

Extron MTP Transceivers are part of the VersaTools™ family of economical, compact products designed for easy integration into new and existing A/V environments. MTPs can be used with low cost twisted pair cables for point-to-point cable runs of up to 1,000 feet and are ultra-compact so they can fit just about anywhere: in racks, under tables and desktops, next to a projector, or in any Extron product that has openings for double space Architectural Adapter Plates (AAPs). Twisted pair cable is a fraction of the size of coaxial cable, as well as being much lighter, more flexible, and less expensive. MTPs can be used in conjunction with Extron twisted pair matrix switchers to create a complete twisted pair A/V routing system.

All MTP receivers are powered products that provide active balanced transmissions for both video and audio. The sharpness adjustment provides variable high frequency video equalization to compensate for different cable lengths. The gain adjustment compensates for overall signal level loss occurring in lengthy cable runs.

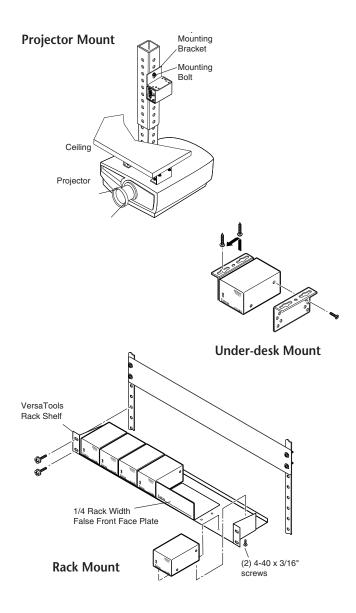
MTPs operate with an external power supply connected to just the (transmitter receiver remote power) or just the receiver (transmitter remote power). This provides system design flexibility, since the transmitter or receiver module can be installed in a convenient location, even if local power is not available. There are also two LED (front and back) power indicators (one on AAP models) for easy troubleshooting.

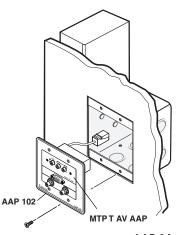
FEATURES

- Ultra-compact enclosures 1U, one-eighth rack width metal enclosures or double space AAP
- Long distance transmission Enables cable runs up to 1,000 feet using Skew-Free™ A/V UTP or twisted pair cable (CAT 5, 5e, or 6)
- Gain and sharpness controls Restore video detail, sharpness and contrast to optimal level
- Active balanced transmission method Maintains correct impedance and provides restoration of signal level for both video and audio
- Quad standard- MTPs are capable of transmitting NTSC 3.58, NTSC 4.43, PAL, and SECAM video for worldwide compatibility.
- Power indicators LEDs on front and rear (front only on AAP models) for easy troubleshooting
- Remote power capability Apply power to transmitter only or receiver only
- External international power supply included (part number 70-055-01)

FEATURES (CONT.)

■ Versatile mounting options – Rack, under-desk, and projectormountable; AAP models can be mounted in Extron products with double space AAP openings





AAP Mount



MTP T CV

Composite Video Mini Twisted Pair Transmitter

- Transmits composite video to an MTP receiver
- Input on female BNC connector

Part Number 60-540-01



MTP R CV

Composite Video Mini Twisted Pair Receiver

- Receives composite video from an MTP transmitter
- Output on a female BNC connector
- Gain and sharpness adjustments

Part Number 60-541-01



MTP T AV

Composite Video with Stereo Audio (Balanced) Mini Twisted Pair **Transmitter**

- Transmits composite video and stereo audio (balanced) to an MTP receiver
- Input on female BNC and captive screw connectors

Part Number 60-540-21



MTP R AV

Composite Video with Stereo Audio (Balanced) Mini Twisted Pair Receiver

- Receives composite video and stereo audio (balanced) from an MTP transmitter
- Output on female BNC and captive screw connectors
- Gain and sharpness adjustments

Part Number 60-541-21



MTP T AV RCA

Composite Video with Stereo Audio (Unbalanced) Mini Twisted Pair **Transmitter**

- Transmits composite video and stereo audio (unbalanced) to an MTP receiver
 • Input on female BNC and female RCA
- connectors

Part Number 60-540-31



MTP R AV RCA

Composite Video with Stereo Audio (Unbalanced) Mini Twisted Pair Receiver

- Receives composite video and stereo audio (unbalanced) from an MTP transmitter
- Output on female BNC and female RCA connectors
- Gain and sharpness adjustments

Part Number 60-541-31



MTP T AV AAP

Composite Video with Stereo Audio (Unbalanced) Mini Twisted Pair Transmitter

- Transmits composite video and stereo audio (unbalanced) to an MTP receiver
- All inputs (video and audio) are on female RCA connectors.
- Fits in any double space AAP opening

Part Numbers 70-361-01 (gray) 70-361-02 (black) 70-361-03 (white)



MTP T SV

S-Video Mini Twisted Pair **Transmitter**

- Transmits S-video to an MTP receiver
- Input on a female 4-pin mini DIN connector

Part Number 60-540-02



MTP R SV

S-Video Mini Twisted Pair Receiver

- Receives S-video from an MTP transmitter
- Output on a female 4-pin mini DIN connector
- Gain and sharpness adjustments

Part Number 60-541-02



MTP T SV A

S-Video with Stereo Audio (Balanced) Mini Twisted Pair **Transmitter**

- Transmits S-video and stereo audio (balanced) to an MTP receiver
- Input on female 4-pin mini DIN and captive screw connectors

Part Number 60-540-22



MTP R SV A

S-Video with Stereo Audio (Balanced) Mini Twisted Pair

- Receives S-video and stereo audio (balanced) from an MTP transmitter
- Output on female 4-pin mini DIN and captive screw connectors • Gain and sharpness adjustments

Part Number 60-541-22



MTP T SV A RCA

S-Video with Stereo Audio (Unbalanced) Mini Twisted Pair **Transmitter**

- Transmits S-video and stereo audio (unbalanced) to an MTP receiver
- Input on female 4-pin mini DIN and female RCA connectors

Part Number 60-540-32



MTP R SV A RCA

S-Video with Stereo Audio (Unbalanced) Mini Twisted Pair Receiver

- Receives S-video and stereo audio (unbalanced) from an MTP transmitter
- Output on female 4-pin mini DIN and female RCA connectors
- Gain and sharpness adjustments

Part Number 60-541-32



MTP T SVA AAP

S-Video with Stereo Audio (Unbalanced) Mini **Twisted Pair Transmitter**

- Transmits S-video and stereo audio (unbalanced) to an MTP receiver
- Input on female 4-pin mini DIN and female RCA connectors
- Fits in any double space AAP opening

Part Number 70-362-01 (gray) 70-362-02 (black)

70-362-03 (white)

VIDEO	
Gain	Unity
Differential phase error	<1.0°, 3.58 MHz to 4.43 MHz
Differential gain error	<1.0%, 3.58 MHz to 4.43 MHz
VIDEO INPUT	
Number/signal type/Connectors	
MTP T CV/AV Series	1 composite video on a female BNC
MTP T SV Series	1 S-video on a female 4-pin mini DIN
MTP R CV/AV/SV Series	1 set of proprietary analog signals on a
A1 - 2[1]	female RJ-45
Nominal level	1V p-p for Y of S-video and for composite video, 0.3V p-p for C of S-video
Minimum/maximum levels	0.3V p-p for C of 3-video 0.3V to 1.5V p-p with no offset
Impedance	
Return loss	
Maximum DC offset	
VIDEO OUTPUT	<u></u>
	1 set of proprietary analog signals on a
Number/signal type/connectors	female RJ-45
Series MTP T AAP Series	1 female RJ-45 on a 3" (7.6 cm) pigtail
	1 composite video on a female BNC
	1 S-video on a female 4-pin mini DIN
Nominal level	1V p-p for Y of S-video and for composite video
Minimum/maximum levels	0.3V p-p for C of 5-video
Minimum/maximum levels Impedance	
Impedance	73 OHHIS
SYNC	
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
AUDIO — All models except:	MTP T CV, MTP T SV, MTP R CV, MTP R SV
Number/signal type	
	I Set di analda bidbiletary signais
Connectors	1 set of analog prophetary signals 1 shielded RJ-45 female
Gain	1 shielded RJ-45 female
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity)
Gain RCA modelsAll other models	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB
Gain RCA models All other models Frequency response	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB
Gain RCA models All other models Frequency response THD + Noise	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB
Gain RCA models All other models Frequency response THD + Noise S/N	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <-80dB @ 1 kHz, fully loaded
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <-80dB @ 1 kHz, fully loaded >75dB @ 1 kHz
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz
Gain RCA models	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz
Gain RCA models All other models Frequency response THD + Noise S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR.	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz
Gain RCA models All other models Frequency response THD + Noise S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >90 dB, bal. at rated dayinum output >75dB @ 1 kHz >50dB @ 5 MHz >50dB @ 20 Hz to 20 kHz
Gain RCA models All other models Frequency response THD + Noise S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA,	1 shielded RJ-45 female Unbal. output: 0dB (unity); Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >90 dB, bal. At rated maximum output >50dB @ 1 kHz, fully loaded >75dB @ 1 kHz <-35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV 1 stereo, bal./unbal.
Gain RCA models All other models Frequency response S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AAP models	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV 1 stereo, bal./unbal.
Gain RCA models All other models Frequency response S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AAP models	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >90 dB @ 1 kHz, fully loaded >75dB @ 1 kHz <-35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV 1 stereo, bal./unbal.
Gain RCA models All other models Frequency response THD + Noise S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AAP models MTP R Series Connectors	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz, fully loaded >75dB @ 1 kHz <35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV 1 stereo, bal./unbal.
Gain RCA models All other models	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >90 dB, bal. at rated maximum output >50dB @ 1 kHz <-35dB @ 1 kHz <-35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV 1 stereo, bal./unbal 1 stereo, unbal 1 set of proprietary analog signals (1) 3.5 mm captive screw connector, 5 pole
Gain RCA models All other models Frequency response S/N RCA models All other models waudio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AAP models MTP R Series Connectors MTP T AV, MTP T SV A MTP T AV/SV A RCA,	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <-80dB @ 1 kHz, fully loaded <-75dB @ 1 kHz <-35dB @ 5 MHz <>50dB @ 20 Hz to 20 kHz >50dB @ 20 Hz to 20 kHz 1 stereo, bal./unbal 1 stereo, unbal 1 set of proprietary analog signals (1) 3.5 mm captive screw connector, 5 pole 1 pair of RCA female
Gain RCA models All other models Frequency response S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR Number/signal type MTP T AV, MTP T SV A MTP T AAP models MTP T AV, MTP T SV A MTP T Series	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output <80dB @ 1 kHz <50dB @ 1 kHz <35dB @ 5 MHz >50dB @ 20 Hz to 20 kHz >50dB @ 20 Hz to 20 kHz 1 stereo, bal./unbal 1 stereo, unbal 1 set of proprietary analog signals (1) 3.5 mm captive screw connector, 5 pole 1 pair of RCA female 1 female RJ-45
Gain RCA models All other models Frequency response S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AV/SV A RCA, MTP T AV, MTP T SV A MTP T AV, MTP T SV A MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AP models MTP R Series Impedance.	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >75dB @ 1 kHz, fully loaded >75dB @ 1 kHz >50dB @ 20 Hz to 20 kHz >50dB @ 20 Hz to 20 kHz 1 stereo, bal./unbal 1 stereo, unbal 1 set of proprietary analog signals (1) 3.5 mm captive screw connector, 5 pole 1 pair of RCA female 1 female RJ-45 >6.3 kohms unbal., >10 kohms bal., DC coupled
Gain RCA models All other models Frequency response THD + Noise S/N RCA models All other models w/audio Crosstalk Stereo channel separation Return loss (AAP models) CMRR. AUDIO INPUT — All Number/signal type MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AV/SV A RCA, MTP T AV, MTP T SV A MTP T AV/SV A RCA, MTP T AV P models MTP R Series Impedance Nominal level.	1 shielded RJ-45 female Unbal. output: 0dB (unity) Unbal. output: 0dB (unity); bal. output: +6dB 20 Hz to 20 kHz, ±0.05dB 0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level >90 dB, at rated maximum output >90 dB, bal. at rated maximum output >75dB @ 1 kHz, fully loaded >75dB @ 1 kHz >50dB @ 20 Hz to 20 kHz >50dB @ 20 Hz to 20 kHz 1 stereo, bal./unbal 1 stereo, unbal 1 set of proprietary analog signals (1) 3.5 mm captive screw connector, 5 pole 1 pair of RCA female 1 female RJ-45 >6.3 kohms unbal., >10 kohms bal., DC coupled

AUDIO OUTPUT - All mo	dels except: MTP T CV, MTP T SV, MTP R CV, MTP R SV
Number/signal type	
MTP T Series (all models)	. 1 set of proprietary analog signals
MTP R AV, MTP R SV A	
MTP R AV/SV A RCA	
Connectors	
MTP T Series	. 1 female RJ-45
MTP T AAP Series	. 1 female RJ-45 on a 3" (7.6 cm) pigtail
	. (1) 3.5 mm captive screw connector, 5 pole
MTP R AV/SV A RCA	. 1 pair of RCA female
Impedance	
MTP R AV, MTP R SV A	
MTP R AV/SV A RCA	
Gain error	
	. >+3.3dBu, bal. or unbal. at stated %THD+N
	. >+2.0dBm, bal. or unbal. at stated %THD+N
NOTE: 0dBu = 0.775 volts (rms).	
GENERAL	
Power	. 5 watts, external, autoswitchable; 12VDC,
	1.0 A power supply. Product requires 0.2 A.
NOTE: If the distance between them is	not long, you can connect a power supply to only
one device in a transmitter/rece	iver pair. If the distance between transmitter and
receiver is long, connect a power	
Rack mount	***
MTP T AAP Series	. Yes, with optional rack panel, or furniture-/wall-
	mountable with optional AAP mounting plates
All other models	Yes, with optional rack shelf, or furniture-
	mountable with optional brackets
Enclosure type	. Metal
Enclosure dimensions	
MTP T AAP Series	4 9
Plate	. 1.4" H x 3.5" W x 0.1" D (3.6 cm H x
To	8.9 cm W x 0.3 cm D) (double space AAP plate)
ıransmitter	. 1.2" H* x 2.75" W x 1.75" D (3.0 cm H* x
	7.0 cm W x 4.4 cm D) (*Height excludes
All other models	connectors and cables.) . 1.7" H x 2.2" W x 3.0" D (1U high, one-eighth
All other models	rack width) 4.2 cm H x 5.6 cm W x 7.6 cm D
	(Depth excludes connectors.)
Product weight/shipping weight	1 0 lbs (0.5 kg) / 3 lbs (1.4 kg)
	. U., CUL, CE, FCC Class A, VCCI, AS/NZS, ICES
Listings/ Compilances	. 01, COL, CL, I CC Class A, VCCI, AS/IVLS, ICES
Model/Part Numbers	
Composite video MTP Models	
MTP T CV 60-540-01	MTP R CV 60-541-01
MTP T AV 60-540-21	MTP R AV 60-541-21
MTP T AV RCA 60-540-31	MTP R AV RCA 60-541-31
S-video MTP Models	
MTP T SV	MTP R SV
	MTP R SV A 60-541-22
MTP T SV A RCA 60-540-32	MTP R SV A RCA 60-541-32
MTP AAP Models	
MTP T AV AAP (gray) 70-361-01 MTP T AV AAP (black) 70-361-02	
MTP T AV AAP (black) 70-361-02	
WITH I AV AAF (WIIILE) /0-301-03	
MTP T SVA AAP (gray) 70-362-01	
MTP T SVA AAP (black) 70-362-02	
MTP T SVA AAP (white) 70-362-03	

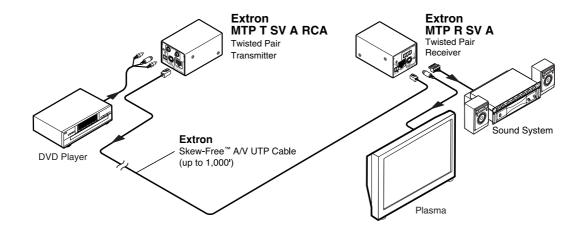
AUDIO OUTPUT - All models except: MTP T CV, MTP T SV, MTP R CV, MTP R SV



Extron Electronics, USA 1230 South Lewis Street Anaheim, CA 92805 800.633.9876 714.491.1500 FAX 714.491.1517

Maximum level>+2.4 dBu (bal. or unbal.) at 1%THD+N

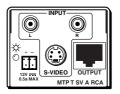
Extron Electronics, Europe Beeldschermweg 6C 3821 AH Amersfoort, The Netherlands +800.3987.6673 +31.33.453.4040 FAX +31.33.453.4050 Extron Electronics, Asia 135 Joo Seng Rd. #04-01 PM Industrial Bldg. Singapore 368363 +65.6383.4400 FAX +65.6383.4664 Extron Electronics, Japan
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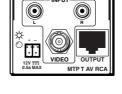


PANEL DRAWINGS

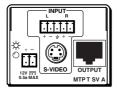
MTP Transmitters

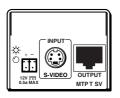


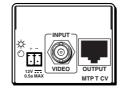


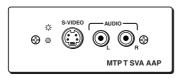


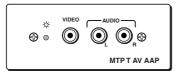
ОИТРИТ











MTP Receivers





