

TPT101

TWISTED PAIR TRANSMITTER FOR
VGA AND STEREO AUDIO SIGNALS



FEATURES

- **Send High Resolution Video and Stereo Audio Signals up to 500 Feet Using CAT5 UTP Cable**
- **TPT101 Works with TPR101 Receiver to provide Superb Video Performance. TPR101 Includes:**
 - Sophisticated Cable EQ Circuitry with Separate High Frequency and Low Frequency Controls.
 - Individual Red / Green / Blue Skew Controls – Adjust for the Inter-Pair Timing Delays found in Long CAT5 Cable Runs. These Controls Ensure Excellent Performance with Virtually any CAT5 Cable.
- **Ground Loop Rejection** — TPT / TPR System Design Prevents Video Ground Loop and Ground Noise Problems
- **Audio Buffering / Balancing** — Unbalanced Stereo Audio Input Signals are Converted to Balanced Audio
- **Remote Power** — TPT101 Transmitter Can Operate Without a Local Power Supply, Receiving Power from TPR101 Receiver Over the CAT5 Cable.

The TPT101 Transmitter works with the TPR101 Receiver to create a system for sending high-resolution video signals and stereo audio signals up to 500 feet using Category 5 unshielded twisted pair (UTP) cable. The system lets A/V system designers and installers take advantage of the compact size, flexibility, and extremely low cost of CAT5 UTP cable.

Accepts High-Resolution Video Signals at Virtually any Resolution and Refresh Rate

The TPT101 Twisted Pair Transmitter will accept high-resolution video signals at virtually any resolution and refresh rate. The unit is compatible with analog video signals including VGA, SVGA, XGA, SXGA, UXGA, MAC, SUN, SGI and other high-resolution workstations.

Attractive Design Features

The TPT101 features an attractive beveled faceplate with low-profile connectors. The transmitter's compact design allows installers to mount the unit in a wall, on a podium or in custom boardroom / presentation furniture using a standard 1-gang junction box.

CAT5 Connectivity

The TPT101 transmitter and TPR101 receiver are linked with one or two CAT5 cables, depending on the desired signal and power configuration. A single cable allows users to run video and remote power, or video and mono audio (local power supply required). The dual CAT5 cable configuration accommodates RGBHV video, stereo audio and remote power.

Audio Buffering Circuitry

The TPT101 includes audio buffering circuitry that accepts unbalanced stereo audio signals and converts them to balanced audio. The balanced audio signal provides optimal performance over long cable runs and helps reject hum, noise and other audio interference. The audio output can also be set for unbalanced if desired.

Auto Power

The Auto Power feature automatically powers up the transmitter when an input cable is connected to the 15-pin HD input, and powers down the unit when the cable is removed.

A Powerful And Economical Solution

The TPT101 / TPR101 system leverages the many advantages of CAT5 cable by providing A/V systems designers with an economical, space efficient solution for high-resolution video and audio signal transmission in a variety of applications.

SPECIALIZED PRODUCTS

SPECIFICATIONS

INPUT

Video Input Connector:
(1) 15-pin HD female

Stereo Audio Input:
(1) 3.5mm Stereo mini female

OUTPUT

Output Connectors: (2) RJ45 female

GENERAL

Video Input Signals: Analog Video, 1.5 Vp-p max.

Sync Signals: TTL

Compatible Signal Formats: RGBHV, RGBS, RGB

Audio Input Signals: Line Level Stereo Audio

Power Supply: 15VDC, 1.0A External Adapter

Product Weight: 1 lb. / 0.45 Kg

Shipping Weight: 3 lbs. / 1.5 Kg

Dimensions (with front plate): 4.5"H x 2.75"W x 2"D / 11.4cm x 7cm x 4.9cm

Regulatory Approvals: UL 1950, CAN / CSA-22.2 No. 950, 3rd Edition CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92

ORDER INFORMATION

TPT101-1 Twisted Pair Transmitter for VGA and Stereo Audio — Mounts in Single-Gang Junction Box — Black Finish

TPT101-2 Twisted Pair Transmitter for VGA and Stereo Audio — Mounts in Single-Gang Junction Box — White Finish