

Kramer TP-576 HDMI/RS232 and IR over Twisted Pair Transceiver

The TP-576 is a DGKat™ twisted pair line driver for HDMI, bidirectional RS-232 and infrared signals. The unit receives an HDMI signal either from a local HDMI source or from a compatible twisted pair transmitter. It decodes the selected signals to the local HDMI, RS-232 and IR outputs and simultaneously transmits them to a compatible twisted pair receiver.

- Max. Data Rate - 1.65Gbps per graphic channel.
- HDTV Compatible.
- HDCP Compliant.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- HDMI Support - HDMI (V.1.4 with Deep Color (on the HDMI input), x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD).
- 3D Pass-Through.
- EDID PassThru - Passes EDID signals from source to display.
- HPD Pass Thru - Passes hot plug detect signals from display to source.
- Active Input/Output LED Indicators.
- System Range - Up to 90m (295ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BC-DGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC-DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BC-DGKat7a23 cable.
- Cable - For optimum range and performance, use Kramer's BC-DGKat524, BC-DGKat623 and BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- Flexible Control - Front panel, RS-232 & IR switching
- Power Connect System™ - A single connection to the TP-576 powers the transmitter, receiver and line driver units.
- Compact MegaTOOLS™ - 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-T2B universal rack adapter.

Specifications:

INPUTS:	1 HDMI connector; 1 CAT 5 on an RJ-45 connector.
OUTPUTS:	1 CAT 5 on an RJ-45 connector; 1 HDMI connector.
PORTS:	1 bidirectional IR port on a 3.5mm mini jack, 1 bidirectional RS 232 port on a 9-pin D-sub connector (for local control).
BANDWIDTH:	Supports up to 1.65Gbps bandwidth per graphic channel.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
RS-232 BAUD RATE:	Up to 38.4kbps.
CONTROLS:	EDID SETUP button, input select button.
INDICATOR LEDS:	IN 1, IN 2, OUT 1, OUT 2, and ON LEDS.
POWER SOURCE:	12V DC, 950mA.
DIMENSIONS:	12.1cm x 7.18cm x 2.42cm (4.76" x 2.83" x 0.95"), W, D, H.
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply, bracket installation kit.
OPTIONS:	RK-T2B 19" rack mount, Kramer remote external receiver, Kramer BC DGKat524 (CAT 5 24AWG), BC DGKat623 (CAT 6 23AWG) and BC DGKat7a23 (CAT 7a 23 AWG) cables, HDMI/HDMI male-to-male cables.