



# KRAMER

## TP-578H

HDMI Receiver with RS-232, IR & Stereo Audio over PoC Long-Reach DGKat



The TP-578H is a DGKat twisted pair receiver for HDMI, IR and control signals. The unit receives a DGKat twisted pair signal from a compatible Kramer DGKat transmitter (such as a TP-577VH) and decodes it into HDMI, balanced and unbalanced stereo, S/PDIF digital audio, IR and RS-232 signals.

## FEATURES

- Max. Data Rate - 4.95Gbps (1.65Gbps per graphic channel).
- HDTV Compatible.
- HDCP Compliant.
- HDMI Support - x.v. Color™, 3D and 7.1 multi-channel audio.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- K-Link™ - Kramer's technology for controlling the device from a remote controller and passing data to external devices.
- PowerConnectPlus - A single connection to the transmitter or the receiver powers both units. The higher voltage PowerConnectPlus also powers regular PowerConnect devices via auto-negotiation.
- Configurable External Control.
- Analog and Digital Audio De-Embedding.
- Indicators - LEDs for mirroring.
- 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 - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC-DGKat623 or BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer 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.
- Controls - IR data transceiver.

TECHNICAL SPECIFICATIONS

INPUTS:	DGKat twisted pair on an RJ-45 connector.
OUTPUT:	HDMI, unbalanced stereo audio on a 3.5mm mini jack, balanced stereo audio on a terminal block, S/PDIF on an RCA connector.
POWER CONSUMPTION:	12V DC, 200mA.
INCLUDED ACCESSORIES:	Power supply.
PRODUCT DIMENSIONS:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
PRODUCT WEIGHT:	0.2kg (0.4lbs) approx.
SHIPPING DIMENSIONS:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
SHIPPING WEIGHT:	0.5kg (1.0lbs) approx.

