

# Key Digital KD-X411ProK HDMI via CAT5e/6 Extender (Transmitter/Receiver) Kit with Audio De-Embedding

*This listing is for KD-X411ProK Extender kit only. Use description below as a general reference.*

KD-X411ProK/KD-X411POHK HDBaseT/HDMI (Tx & Rx) Extenders are an HDCP 2.2 compliant product that extend 4K/UHD 24/25/30 (4:4:4) and 4K/UHD 60 (4:2:0) signals up to 150 ft. using Key Digital® KD-CAT6STP1X Super CAT6A Shielded cable, or up to 125 ft. using a single third-party CAT5e/6 cable. 1080p/60, 1920x1200, 3D signals are extended up to 250 ft. via single Key Digital® KD-CAT6STP1X Super CAT6A shielded cable, or up to 230 ft. using a single third-party CAT5e/6 cable. In addition to HDMI video and audio signals, KD-X411ProK/POHK carries IR, RS-232 and TCP-IP signals for controlling remotely located equipment. Audio de-embed ports on the Tx unit enable external audio connectivity with audio distribution systems and amplifiers.

## Features

- **HDBaseT via Single CAT5e/6 UTP/STP Extension:** With fully automatic adjustment of feedback, equalization, and amplification depending on cabling length  
**Signal Extension:**
  - Up to 150 ft. @ 4K/24/25/30/60 using KD-CAT6STP1X cabling
  - Up to 125 ft. @ 4K/24/25/30/60 using third-party CAT5e/6 UTP/STP
  - Up to 250 ft. @ 1080p/1920x1200 using KD-CAT6STP1X cabling
  - Up to 230 ft. @ 1080p/1920x1200 using third-party CAT5e/6 UTP/STP
- **4K/Ultra HD Resolution:** Support for 4096x2160 or 3840x2160 24/25/30Hz at 4:4:4/8 Bit or 60Hz at 4:2:0/8 Bit
- **Audio De-Embedding:** Audio from the HDMI input is de-embedded through the Coax digital (PCM) and/or Analog L/R audio output
- **HDMI® and HDCP Licensing:** Fully licensed and compatible with all HDMI and HDCP technologies up to HDCP 2.2 and HDMI 2.0 4:2:0/8 Bit profile
- **EDID Control:** Internal library features 15 default EDID configurations and native EDID data from Output/Display devices connected via Rx
- **Hot Plug Detection Control:** Enables integrator to choose if active signal voltage is forced to connected input devices
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, and EDID Control handshake, Hot Plug control
- **IR Sensor:** Sensor powering via +5V on Rx unit's IR In port collects line-of-sight IR from remote(s) without external IR connecting block
- **Up/Down IR:** Two channels of IR enable control to/from devices connected to Tx and Rx units
- **RS-232:** Bi-Directional control to/from Tx and Rx unit on 3.5mm connector
- **Rotary Switch RS-232 Control Mode:** Provides control of Tx unit
- **3D:** Support for standard 3D stereoscopic signal formats
- **Deep Color Support:** 12bit Deep Color video / 8bit color for 4K/UHD.
- **Lossless compressed digital audio:** Support for Dolby® TrueHD, Dolby® Digital Plus and DTS-HD Master Audio™
- **CEC Support:** For inter-device control between main input and output HDMI channel
- **I2C Communication:** EDID and HDCP authentication to Display and Source
- **Control System Support:** Compatible with Compass Control®, AMX®, Control4®, Crestron®, RTI®, Savant, URC®, Leviton® etc.