



Key Digital Presentation Solutions are a family of products integrating a Soft-Codec Enabling System with HDBT/HDMI/Audio/Control hardware designed for professional audio video installations in conference rooms, board rooms, classrooms, lecture halls, auditoriums, and more.



KD-UPS52U

4K/18G USB/Universal Presentation Switcher with 5 Inputs (HDBT, 2x HDMI, DP, USB-C), 2 Mirrored Outputs (HDBT, HDMI), LAN, ARC, Audio De-Embed, IR, RS-232, IP Control, CEC Manager™. Includes Rx.

KEY FEATURES

- ▶ **Presentation Switcher Kit:** Includes KD-UPS52U and KD-X100MRx. Add KD-X4x1WUTx wall plate HDBaseT Tx for plug-in on walls, floor and table boxes
- ▶ **Presentation Switching:** 1 HDBaseT, 2 HDMI, 1 Display Port, 1 USB-C source selection by push button, IP, RS-232, IR, auto switching, or trigger control.
- ▶ **Soft-Codec Enabling System:** USB Host + Device ports on KD-UPS52U, KD-X4x1WUTx wall plate transmit (sold separately) and KD-100MRx (included) create connectivity hub for professional USB cameras and microphones, audio DSP, keyboard, mouse, or touchscreen display with connected computer
- ▶ **PTZ USB Camera Integration:** Integrates natively with KD-CAMUSB for full PTZ control via KD-App and more
- ▶ **Ultra HD/4K:** Supports up to 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
- ▶ **Auto-Sensing:** Automatic selection of newly detected source and switching from newly disconnected source when enabled
- ▶ **CEC Manager™:** Power, volume, and muting controls of the connected display/projector without any additional control wiring. Selection of desired CEC command recipient.
- ▶ **Audio De-embedding:** Audio of the selected source is de-embedded at the unit's analog L/R balanced/unbalanced and PCM digital audio connectors
- ▶ **KD-AMP220 Control Mode:** Command forward to KD-AMP220 for an all-in-one user-friendly control UI of video switching, audio and speech enforcement
- ▶ **HDCP Licensing:** Fully licensed and compatible with HDCP 2.2
- ▶ **HDR10 and Dolby Vision:** More life-like images through a greater range of luminance levels
- ▶ **Power Over HDBaseT:** Rx unit (included) and wall plate Tx unit (sold separately) powered by KD-UPS52U
- ▶ **Installation:** Half-rack width with rack mounting ears included.
- ▶ **Signal Extension:** For resolution and cable quality
 - » 4K/UHD (18G): Up to 100m / 328ft
 - » 1080p: Up to 150m / 492ft
- ▶ **Deep Color Support:** Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit



- ▶ **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, EDID Control handshake, and Hot Plug Detection Voltage
- ▶ **EDID Management:** Internal library with 15 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from the Rx display/device
- ▶ **RS-232:** Bi-Directional control to/from Tx and Rx/Presentation Switch unit
- ▶ **Unit Control Mode:** Provides TCP/IP and RS-232 control and status of/from Tx unit
- ▶ **Lossless compressed digital audio:** Support for Dolby® TrueHD, Dolby® Digital Plus, Dolby Atmos®, and DTS-HD Master Audio™
- ▶ **Control System Support:** Fully controllable by all TCP/IP and RS-232 supported control systems via open API: Compass Control® Pro, AMX®, Crestron®, KNX®, RTI®, Savant, URC®, Leviton® etc.
- ▶ **KD-App Ready:** Network scan & detect populates pre-built GUI including connected display/projector controls via CEC Manager™

SPECIFICATIONS

- » Regulation: CE, RoHS, WEEE, EAC
- » Enclosure: Black Metal

SYSTEM DESIGN EXAMPLE

