PRESENTATION SOLUTIONS

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.

Key digital PRO MANAGEMENT SOFTWARE

KEY DIGITAL APP READY

KD-PS22UTx

4K 18G 328ft (100m) HDMI over HDBaseT Extender, 2x1 Switcher with 2 HDMI Inputs, 2 Mirrored Outputs (HDBaseT, HDMI), USB 2.0, LAN, Audio De-Embed, IR, RS-232, IP Control, PoH, CEC Manager™. Tx Only.

KEY FEATURES

FRONT

REAR

› **Presentation Switching**: 2 HDMI Source selection by push button or IP control.
› **Rx Options**: Native integration with KD-X100MRx black box HDBaseT Rx or KD-UPS52U Presentation Switchers.
› **Soft-Codec Enabling System**: USB Host + Device ports on wall plate and chosen Rx / Presentation Switch create connectivity hub for professional USB cameras and microphones, audio DSP, keyboard, mouse, or touchscreen display with connected computer
› **KDPlug & Present**: Add KD-CX800 to build programming-free automation system for room display on / off, screen control, auto switching, KD-CAMUSB PTZ camera, KD-AMP220 amp with mic mix, and common video source control
› **Ultra HD/4K**: Supports up to 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
› **Visually Lossless Compression**: 18G enabling technology applied to all video formats exceeding 10.2Gbps to accommodate HDBaseT transmission channel
› **10G Pass-thru**: Mode enables uncompressed 10.2Gbps signal extension
› **Auto-Sensing**: Automatic selection of newly detected source and switching from newly disconnected source when enabled
› **KD-App Ready**: Network scan & detect populates pre-built GUI including connected display/projector controls via CEC Manager™
› **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**: Unit powered by Rx/Presentation Switch unit
› **Signal Extension**: For resolution and cable quality
  » **4K/UHD (18G):** Up to 100m / 328ft
  » **1080p:** Up to 150m / 492ft (Long Range Mode)
› **Long Range Mode**: Extends 1080p signals up to 152m (500 ft.) using CAT5e/6 (UHD/4K not supported)
› **Deep Color Support**: Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit

4K @60Hz | **18G** | **HDMI AUDIO DE-EMBEDDING** | **CEC MANAGER™** | **HDBT™** | **HDMI®**

› **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
› **IR Bi-Directional control**: Tx supports IR input via the included IR sensor and output via the included IR emitter
› **RS-232**: Bi-Directional control to/from Tx and Rx/Presentation Switch unit
› **Unit Control Mode**: Provides TCP/IP control and status of/from Tx unit
› **Surround Sound Audio**: Supports Dolby® TrueHD, Dolby® Digital Plus, Dolby Atmos®, and DTS-HD Master Audio™ multi-channel audio formats
› **Control System Support**: Key Digital® App Ready. Key Digital Management Software™ Pro (KDMS™ Pro) ready, Compass Control® Pro ready. Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API

*SPECIFICATIONS

» Regulation: CE, RoHS, WEEE, EAC; Enclosure: Black Metal
» Product: 5.5 x 4.1 x 1.43" (200.3 x 153 x 25.4mm), Weight: 1 lbs
» Packaging: 11" x 7.9" x 2.1" (250 x 195 x 90 mm), Weight: 2.1 lbs

SYSTEM DESIGN EXAMPLE