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-PS42

4K/18G Presentation Switcher with 4 Inputs (HDBT, 3x HDMI), 2 Mirrored Outputs (HDBT, HDMI), Audio De-Embed, IR, RS-232, IP, CEC Manager™. Includes Rx.

KEY FEATURES

› **Presentation Switcher Kit**: Includes KD-PS42 and KD-X40MRx. Add KD-X2x1WDTx wall plate HDBaseT transmitter for plug-in on walls, floor and table boxes

› **Presentation Switching**: 3 HDMI, 1 HDBaseT source selection by push button, IP, RS-232, IR, auto switching, or trigger control.

› **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-PS42

› **Installation**: Half-rack width with rack mounting ears included.

› **Signal Extension**: For resolution and cable quality
   » 4K/UHD (18G): Up to 40m / 131ft
   » 1080p: Up to 70m / 230ft

› **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

FRONT

REAR

HDMI AUDIO DE-EMBEDDING

CEC MANAGER™

4K @60Hz

18G

› **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

› **EDID Management**: Internal library with 15 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from the output/display 1

› **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

Podium Laptop
Table Laptop
Mic
AppleTV
Video Conferencing
KD-X2x1WDTx
DisplayPort
HDBT
WiFi Router
WiFi
TCP/IP
TCP/IP
Presentation Switcher KD-PS42 with KD-AMP220
KEY DIGITAL APP READY
CEC MANAGER™
4K
CEC MANAGER™
4K
KD-PS42
KD-X40MRx
HDMI
HDBT
HDMI
Audio
IR Out
KD-AMP220

Key digital®