HDBaseT™/HDMI® Matrix Switchers with built-in Compass Control®

KD-Pro8x8CC

8 Inputs to 8 Outputs HDBaseT/HDMI via Single CAT5e/6 Matrix Switcher with built-in Compass Control® system, supports Ultra HD/4K and HDCP 2.2. Includes 4 KD-XSWRx Receiver Extenders.

BUILT-IN
COMPASS CONTROL®

Key Features

x4   HDB.T HDMI   Ultra HD/4K   HDCP 2.2

› **Simultaneously Active:** 8 HDBaseT (CAT5e/6 RJ45) and 8 HDMI outputs with fully automatic CAT5e/6 cable equalization. Supports up to 16 TVs (8 mirrored)

› **Compass Control® Inside:** Key Digital's Compass Control® control system is built-in, negating the need for an external master controller (supports up to 33 control ports)
   » Enterprise Software License for Compass Control® (Sold Separately) required to activate iOS or Android controllers

› **Includes:** 4 *KD-XSWRx* Receiver Extenders

› **HDBaseT:** Utilized on CAT5e/6 RJ45 outputs

› **Signal Extension:**
   » Up to **250 feet** @ 1080p/60, 1080p/24, 1080i, 720p
   » Up to **150 feet** @ 4K/Ultra HD with KD-XSWRx extenders and approved Key Digital CAT5e/6 cabling. Compatible with third-party CAT5e/6 with lesser distance performance.

› **Ultra HD/4K:** 4096x2160/24 video resolution support for Ultra HD capable TVs and commercial applications such as Digital Movie Theaters, CAD, Post Production

› **HDR:** Supports High Dynamic Range technology with EDID copy from HDR supporting display

› **3D Ready:** Capability to pass 3D stereoscopic signal formats

› **Audio Return Channel:** Allows audio to be returned from a display to an HDMI output, for audio distribution (HDMI outputs only, using 3.5mm I/O port and 3.5mm to PCM cable)

› **EDID:** Internal library with 15 default EDID configurations for each input, in addition to native EDID data for any Output/Display

› **Full Buffer™ Technology**: Full buffering of HDCP and EDID, for the fastest possible switching and viewing of any source/input to any display/output, regardless of multiple output viewing relation

› **TMDS re-clocking**: Support for long HDBaseT/CAT5e/6 or HDMI connections and many layers of connectivity.

› **Voltage Trigger:** I/O ports may be used as a voltage trigger in Compass Control® system

› **Relay Support:** 3.5mm I/O ports may be used as relays to support contact closure/ opening, when used with an external relay board

› **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, Dolby® Atmos and DTS-HD Master Audio™

› **Deep Color Support:** Up to 12 bits/color

› **Control Routing:** Enables bi-directional IR/RS-232 control signal extension

› **Control:** Front panel push buttons and LEDs, TCP/IP, USB Port, Optical IR front/rear, Serial IR, RS-232 with full bi-directional operation

› **Control System Support:** Compatible with Compass Control®, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant®, URC®, Leviton®, etc.

Specifications

» Input (Each): 1 HDMI Connector, Type A, 19 Pin Female
» Output (Each): 1 HDMI Connector, Type A, 19 Pin Female; Single CAT5e/6 on RJ45
» DDC Communication: EDID and HDCP Bi-directional Transparency from Display to Source
» Power: Main KD-PS6V11A - 6V/11.6A (70W); KD-XSWRx - 12V/6.6A (80W)
» Regulation: CE, RoHS, WEEE
» Rack Mount: 2U, Full Rack Width (rack ears included)
» Enclosure: Black Metal
» Product: 17.3" x 6.6" x 3.46" Weight: 6.6 lb.
» Packaging: 18.9" x 10.7" x 8.6" Weight: 16.5 lb.

LIMITED **10 YEAR** WARRANTY

System Design Example