

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



KD-Pro6x6CC

6x6 4K HDBaseT/HDMI via Single CAT5e/6 Matrix Switcher with built-in Compass Control® Pro system, HDR, HDCP2.2. Includes 3 KD-XSWRx Receiver Extenders.

Key Features

- ▶ **Simultaneously Active:** 6 HDBaseT (CAT5e/6 RJ45) and 6 HDMI outputs with fully automatic CAT5e/6 cable equalization. Supports up to 12 TVs (6 mirrored).
- ▶ **Compass Control® Pro Inside:** Key Digital's Compass Control® Pro control system is built-in, negating the need for an external master controller (supports up to 27 control ports)
 - ▶ Enterprise Software License for Compass Control® Pro (Sold Separately) required to activate iOS or Android controllers
- ▶ **Includes:** 3 KD-XSWRx Receiver Extenders
- ▶ **HDBaseT:** Utilized on CAT5e/6 RJ45 outputs
- ▶ **4K Support:** 4096x2160 or 3840x2160 30Hz at 4:4:4 & 60Hz at 4:2:0
- ▶ **Signal Extension:**
 - ▶ 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.
 - ▶ Up to 250 feet @ 1080p/60, 1080p/24, 1080i, 720p
- ▶ **HDR (High Dynamic Range):** More life-like images through a greater range of luminance levels
- ▶ **HDCP 2.2 and HDMI Licensing:** Fully licensed and compatible with HDCP 2.2 and HDMI latest technologies
- ▶ **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
- ▶ **Deep Color Support:** Up to 12 bits/color



- ▶ **Voltage Trigger:** I/O ports may be used as a voltage trigger in Compass Control® Pro
- ▶ **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™
- ▶ **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® Pro, 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 or 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: 14.3 lb.

System Design Example

