**BUILT-IN** 

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

# KD-Pro6x6CC

6 Inputs to 6 Outputs HDBaseT/HDMI via Single CAT5e/6 Matrix Switcher with built-in Compass Control® system, supports Ultra HD/4K and HDCP 2.2. 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® Inside: Key Digital's Compass Control® 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<sup>®</sup> (Sold Separately) required to activate iOS or Android controllers
- > Includes: 3 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: 14.3 lb.



### System Design Example

