

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

Digital
IQ
series

KD-HD6x6Lite

6 Inputs to 6 Outputs HDBaseT/HDMI via Single CAT5e/6 Matrix Switcher. Includes 6 KD-CATHD250POHRx Receiver Extenders and 6 KD-IRE3501F IR emitters to control IR controllable devices.

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)
- ▶ **HDBaseT:** Utilized on CAT5e/6 RJ45 outputs
- ▶ **Signal Extension:**
 - » Up to **210 feet** @ 1080p/60, 1080p/24, 1080i, 720p
 - » Up to **120 feet** @ 4K/Ultra HD with KD-CATHD250POHRx extenders and approved Key Digital CAT5e/6 cabling
- ▶ **3D Ready:** Capability to pass 3D stereoscopic signal formats
- ▶ **Ultra HD/4K:** 4K x 2K video resolution support for Ultra HD capable TVs and commercial applications such as Digital Movie Theaters, CAD, Post Production
- ▶ **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)
- ▶ **Audio Return without ARC:** Audio may be returned from a display lacking ARC, by using Key Digital's *KD-IQJUMP12FM* and *KD-35MMAIRH* jumper cables
- ▶ **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 seamless 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 daisy chain configurations
- ▶ **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 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
- ▶ **Major Control System Support:** Compass Control®, AMX®, Control4®, Crestron®, KNX®, RTI®, Savant, URC®, Honeywell®, HAI®, Leviton®, etc.

Specifications

- » Input (Each): HDMI
- » Output (Each): HDMI and Single CAT5e/6 on RJ45
- » Wired IR: modulated IR signal input, 0-5V TTL or -10V to +10V.
- » Rack Mount: 2U, Full Rack Width (rack ears included)
- » Power Supply: KD-PS6V11A, 6V/11A, 100-240VAC, 50-60Hz, NEMA 5-15P Cord
- » Accessories: IR Remote Control, 6 ft. USB Data Cable
- » Regulation: CE, RoHS, WEEE
- » Enclosure: Black Metal
- » Product: 17.3" x 6.6" x 3.46", Weight: 6.6 lbs.
- » Packaging: 19.9" x 13.7" x 7.8", Weight: 14.3 lbs.



System Design Example

