

KD-DA2x4G

2x4 4K/18G POH/HDBT/HDMI Distribution Amplifier/Switcher with Audio De-Embedding
(Includes KIT 4 Rx 100 Meters Extenders)

KEY FEATURES

- › **HDMI Switching & Distribution:** 2 HDMI sources to 4 HDBaseT outputs
- › **Power over HDBaseT:** All included Rx units powered by the main unit
- › **Ultra HD/4K Support:** 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
- › **Signal Extension:** For resolution and cable quality
 - › 4K/UHD: Up to 250 ft. (76m) using CAT5e/CAT6/CAT6A/CAT7
 - › 1080p: Up to 328 ft. (100m) maximum
- › **18 Gbps Bandwidth:** High Speed / Performance for latest HDMI standards
- › **High Dynamic Range (HDR) Format Support:** HDR10 and Dolby® Vision
- › **HDCP 2.2:** Compliancy up to HDCP 2.2 and backward compliant
- › **Resolution Support:** Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) up to 4096x2160p
- › **Deep Color Support:** Up to UHD/4K 60Hz 4:2:0/12 bits, 60Hz 4:2:2/12 bits
- › **Auto-Sensing:** Automatic selection of newly detected source and switching from newly disconnected source via hot plug detection voltage when enabled
- › **Audio De-embedder:** Audio of the selected HDMI input is de-embedded at the Coax digital (PCM) and Analog L/R balanced/unbalanced connectors
- › **Control Pass-Thru:** 4 three pin phoenix connectors for bi-directional IR or RS-232 for each HDBaseT output. 4 IR sensors and IR emitters included.
- › **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- › **EDID:** Internal library with 15 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from an Output/Display 1
- › **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Master Audio™, and Dolby® Atmos
- › **CEC Disconnect:** Prevents all device communication signals via CEC, ARC, and HDMI Ethernet channels



- › **Control:** Front panel buttons/LEDs, Serial IR, Optical IR, RS-232 Control, and TCP/IP Control
- › **Control System Support:** Key Digital® app ready. Key Digital Management Software™ Pro (KDMS™ Pro) ready, Compass Control® Pro ready. Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API.
- › **Key Digital® App & KDMS® Pro Ready:** Scan & detect population for pre-built GUI and TCP/IP control via Key Digital® iOS App and Key Digital Management Software™ Pro (KDMS™ Pro) PC Software

SPECIFICATIONS

- › Power: +48V/1.66A, 80W
- › Regulation: CE, RoHS, WEEE, EAC, EAC
- › Rack Mount: 1U, 1 Rack Width (rack ears included)
- › Enclosure: Black Metal
- › Product Dimensions: 17.3 x 5.25 x 1.72" (440 x 133.5 x 43.8 mm)
- › Shipping Carton Dimensions: 20 x 10 x 5.7" (510 x 255 x 145 mm)
- › Product Weight: 6 lb
- › Shipping Weight: 9 lb
- › Accessories: IR Remote, UL Certified Power Supply

SYSTEM DESIGN EXAMPLE

