

Key Digital KD-FIX418 4K/18G HDMI Fixer/Booster/Buffer of EDID/HDCP/Hot Plug

Key Digital® KD-FIX418 HDMI buffer and booster is designed and engineered to offer the best in quality, performance, and reliability, while providing a cost-effective, ultra-slim HDMI signal correction solution. The KD-FIX418 extends and re-clocks UHD/4K signals with TMDS bandwidth up to 18Gbps and buffers essential digital video communication such as EDID handshaking, HDCP compliancy, and Hot Plug Detection voltage.

KD-FIX418 supports all SD, HD, VESA and Ultra HD/4K video standards, including UHD/4K with HDR10, 1080p/60, 1920x1200, and supports HDCP 2.2.

Features

- **HDMI Correction:** Resolves common HDMI integration obstacles related to HDCP, EDID, Hot Plug Detection, and bandwidth
- **Compress/Decompress:** Pair units to compress and decompress 18Gbps video signals and extend via legacy 10.2Gbps cabling
- **Boost Mode:** High equalization option on HDMI input for repair of degraded incoming signals
- **Cabling Extension:** Works with HDMI cabling for extension of 4K/UHD signals with HDR10 up to 75 ft / 23m in or out. Maximum one active/directional HDMI cable may be used.
- **4K/UHD Support:** 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4(up to 18Gbps bandwidth)
- **HDR10 and Dolby Vision:** More life-like images through a greater range of luminance levels
- **HDCP2.2:** Compliancy up to HDCP 2.2 and backward compliant
- **Deep Color Support:** Up to 4K/UHD 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit
- **Low Profile:** Super compact chassis size
- **USB Powered:** Low power consumption enables power from standard USB micro port
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP source & display authentication, Hot Plug Management and EDID Control handshake
- **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Master Audio™ and Dolby® Atmos
- **Auto-EQ:** Precise signal equalization applied to input and output signals automatically delivers best possible picture quality
- **EDID Control:** Internal library with 15 EDID handshakes including 4K with HDR in addition to native EDID data of output/display
- **Forced HPD:** Enables integrator to choose if active signal voltage is forced to connected input device
- **CEC and ARC Pass-thru:** Enables inter-device communication signals via CEC, ARC, and HDMI Ethernet channels