Key digital

HDMI Connectivity Fixer w/ Audio De-Embedding & Down-convert

KD-FIX418A-2

SKU: 143443   UPC: 815996000000

KD-FIX418A-2 is a 4K 18G HDMI connectivity repair and audio de-embedding solution for HDMI extension coupling and signal correction in all AV systems applications. Analog and digital audio de-embedding on 3.5mm analog stereo & optical digital connectors enable integration of HDMI signals into distributed audio systems, audio DSPs, amplifiers, or sound bars. EDID handshake management, forced hot plug detection, and optional 4K to 1080p down-conversion tools help overcome common HDMI integration problems for ease of installation. KD-FIX418A-2 supports a variety of SD, HD, VESA and Ultra HD 4K video standards and has HDR header information included in many of the built-in 4K EDID handshakes for an optimized viewing experience.

Features

- **HDMI Correction**: Resolves common HDMI integration obstacles related to Hot Plug Detection, EDID handshaking, HDCP authentication, and bandwidth
- **Audio De-embedding**: HDMI input audio is de-embedded on an analog 3.5mm stereo and digital optical connector
- **4K to 1080p Down Convert**: When enabled, resolution conversion is applied to individual outputs(s) based on EDID from the connected display
- **Digital Audio Format Support**: DTS-HD Master Audio™, DTS:X®, Dolby® TrueHD, Dolby Atmos®
- **ARC Pass-thru**: From connected ARC supported display to connected ARC supported HDMI source
- **CEC Pass-thru**: From connected display to selected HDMI source
- **Ultra HD/4K**: Supports up to 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
- **HDCP Licensing**: Fully licensed and compatible with HDCP 2.2
- **HDR10 and Dolby Vision**: More life-like images through a greater range of luminance levels
- **Resolution Support**: Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) up to 4096x2160p
- **Deep Color Support**: Up to UHD/4K 30Hz 4:4:4/12 bits or 60Hz 4:4:4/8 bit
- **Full Buffer System**: Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, Hot Plug management, and EDID control handshake
- **EDID Management**: Internal library with 15 internal EDID handshakes including 4K with HDR in addition to native EDID data copied from the output/display

HDMI Input (Each)	HDMI Connector, Type A, 19 Pin Female
HDMI Output	HDMI Connector, Type A, 19 Pin Female
HDMI Bandwidth	TMDS bandwidth 18Gbps
DDC Signal (Data)	Input DDC Signal - 5 Volts p-p (TTL)
HDMI Video/Audio Signal	Input Video Signal - 1.2 Volts p-p
3.5mm Stereo Audio Output	Line level audio on TRS connector. Drives 1 VRMS line audio output with a sampling rate of 48kHz
Analog Audio Max Output Level	4dBu on 150k?, DC coupling
Optical Digital Audio Output	Follows SPDIF format (IEC 60958). Supports sampling rate up to 192KHz
Max Output Level	1Vpp on 75?, DC coupling
Audio Bandwidth	20Hz to 20kHz @ 0dBu

TND + Noise	0.33% @0dBu @ 1kHz
Power	5V/1A (5W) DC power jack, screw-in type. Model SK01T-0500100Z