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masha@keydigital.com**FOR IMMEDIATE RELEASE**Product Links: [KD-X444L](#) and [KD-X444S](#)

Key Digital Highlights Feature-Packed HDMI HDBaseT Extender Kits with 18 Gbps Support

KD-X444S and KD-X444L extender sets offer quality, performance, and reliability

MOUNT VERNON, NY – January 14, 2020 – Key Digital, the award-winning manufacturer of professional AV and control systems spotlights their flagship 18 Gbps HDBaseT HDMI extender sets [KD-X444S](#) for standard distance requirements (4K/40meters and 1080P/70meters) and [KD-X444L](#) for long range distances (4K/70Meters and 1080P/100Meters). In addition to HDMI, IR and RS-232 signals may be simultaneously and bi-directionally extended over independent connectors. The verbose LED set, EDID, and control rotaries offer integration tools designed to make the integrator's life easier.

Taking the lead in offering extension of the newest HDMI standards, KD-X444S and KD-X444L were some of the first extenders capable of outputting 18 Gbps from a 4K source and also commanding displays to receive that signal in 18 Gbps. With compression at the Tx side the signal is sent as 10G instead of 18 Gbps and is then decompressed at the Rx unit back into full 18 Gbps signal. Unlike the competitors, the engineers at Key Digital worked tirelessly to take this new technology and improve upon it until all obstacles were overcome, namely the unique downside that even 10G signals would be compressed. Thanks to their ingenuity the KD-X444S and KD-X444L includes 10G pass-thru mode which enables incoming signals with 10.2Gbps bandwidth or less to be extended without being subjected to the standard CSA or VLC compressions.

Both extender sets feature a low profile super slim chassis design. Key Digital's [KD-SMS16](#) universal rack mount shelf is a perfect option for these extenders and other smaller Key Digital items.

KD-X444L and KD-X444S carry IR and RS-232 for controlling remotely located equipment. IR sensor powering via +5V on IR in ports collects line-of-sight IR from remote(s) without external IR connecting block. Two channels of IR and bi-directional RS-232 enable control to/from devices or control systems connected to Tx and Rx units. CEC Pass-thru for inter-device control between input and output HDMI channels is also supported.

Both extender sets have compliancy up to HDCP 2.2 and backward compliant and feature High Dynamic Range (HDR10). Key Digital's HDR10 delivery is handled as part of their proprietary Full-Buffer Technology

(FBT) which manages TMDS re-clocking / signal re-generation, HDCP authentication with source & display, EDID Control handshake, and Hot Plug Detection control on both the source and display. Integrators have the choice of handshake delivered to the connected video source. Key Digital boasts an internal library with 16 EDID handshakes including an update to 4K handshakes which includes HDR Header information. Additionally, the native EDID data from the connected Output/Display device may be provided to the video source.

The EDID and control dial on the units are extremely useful for integrators in the field to tell their connected source the exact video and audio formatting needed by simply turning the rotary. This simple step is a stark contrast the alternative of going into the setup menus of the connected source devices as was previously necessary when HDR was not part of that handshake.

The KD-X444L and the KD-X444S utilize HDBaseT via single CAT5e/6 UTP/STP extension with fully automatic adjustment of feedback, equalization, and amplification depending on cabling length. The extender sets offer UHD/4K support 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 with signals up to 18Gbps bandwidth and offer flexible power over HDBaseT with only one power connection needed with the Tx providing power to the Rx, or the Rx powering the Tx.

About Key Digital®

Led by the “Father of DVD”, Mike Tsinberg, Key Digital® is an InfoComm, CEDIA, CES, and NAHB award winning manufacturer of professional distributed video and control system equipment.

Since 1999, Key Digital has led the constantly evolving AV industry by designing products that deliver industry leading quality, performance, and reliability to corporate, bar & restaurant, digital signage, education, government, and house of worship applications.

Key Digital products are designed and engineered in-house in Mount Vernon, NY. Superior quality, ease-of-installation, and versatility are the result of strenuous research, development, and testing. Expertise and unparalleled knowledge have created a unique hardware-software suite solution ideal for the consultants, designers, and installation firms of the A/V industry. Key Digital® is known to deliver best-in-class products based on quality, performance, and reliability.

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