

LK-HBT3

4K@60 4:4:4 HDR
HDBaseT Extender



1 FEATURES

- Extend 4K@60 4:4:4 HDR over CAT6a/7 by HDBaseT
- Uncompressed HDMI 2.0 Streams on 18Gbps Bandwidth
- Compact Design, Enabling TX/RX on a Single Hardware
- Full HDR Support (HDR 10&12 Bit)
- HDR, HDR10+ and Dolby Vision Support
- 1Gbps Ethernet & KVM support
- HDCP2.2(and all earlier version supported)
- Up to 70m(230ft) on 4K, 100m(328ft) on 1080P (CAT6a/7)
- Bi-Directional IR Transport
- L/R Audio Extraction on TX and RX

2 INTRODUCTION

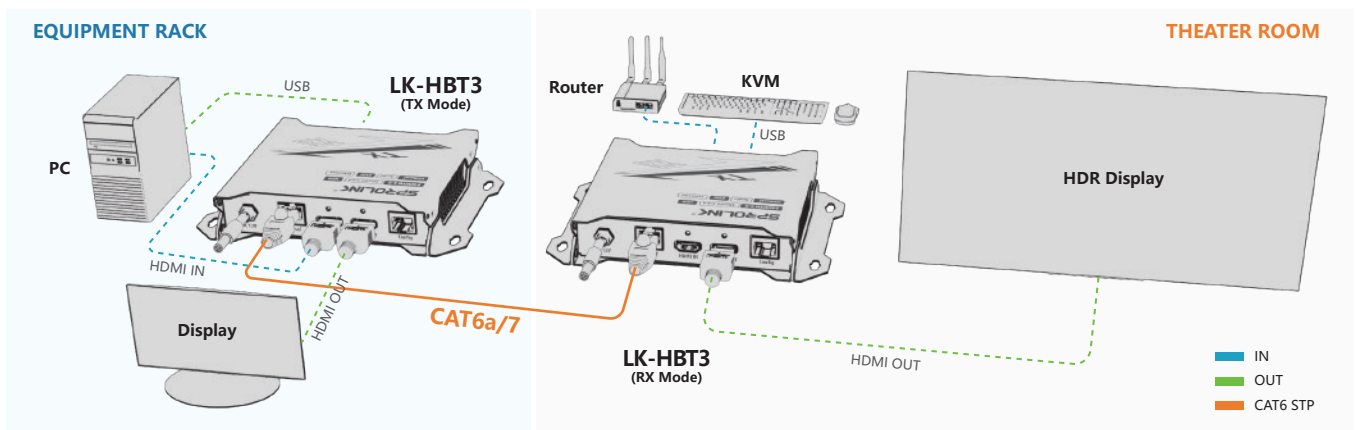
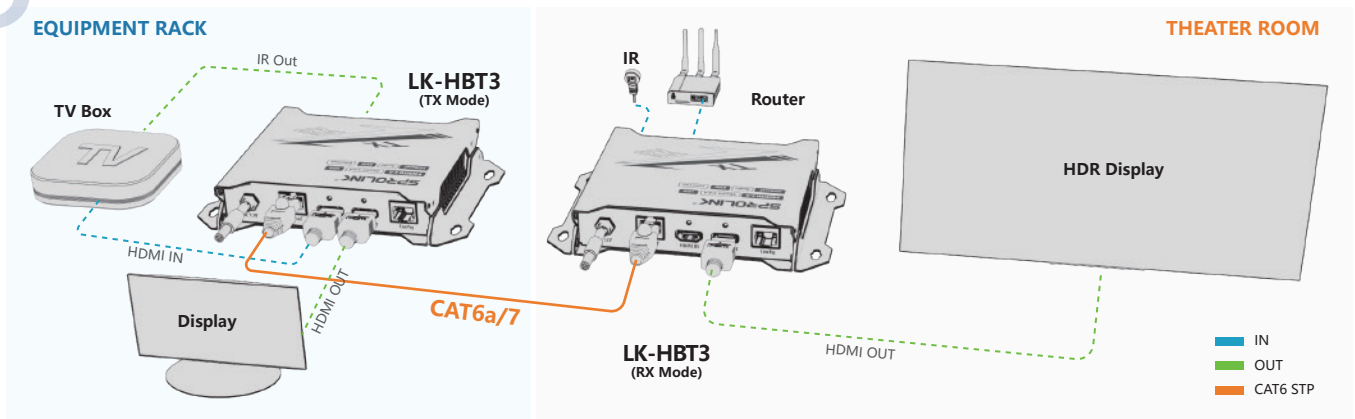
LK-HBT3 is a revolutionary 4K@60 4:4:4 HDR HDBaseT Extender. It can stream uncompressed HDMI2.0 signal on 18Gbps bandwidth. Deliver a crystal lossless 4K HDR signal transmission without any artifacts and latency.

Instead of using traditional TX/RX extender design, SPROLINK has combined TX and RX on a single hardware. You can use your finger to decide whether it is TX or RX a specific application.

LK-HBT3 extends uncompressed 4K HDR signal up to 70m(230ft) using CAT6a/7 cable. 1080P signal may be extended up to 100m(328ft). In addition to HDMI 2.0 video and audio signals, LK-HBT3 carries bi-directional IR and KVM for controlling remotely located equipment.

All the advanced function design and remote power capability make LK-HBT3 an ideal solution for long-distance signal distribution of any 4K HDR professional AV display.

3 CONNECITON DIAGRAM



4 KEY FEATURES

Advanced Hardware Design

LK-HBT3 can be configured as TX/RX. Offer more flexibility for various applications.



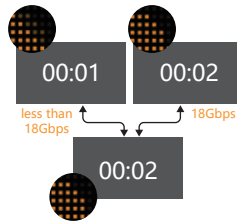
Full HDR Support

LK-HBT3 support 10/12bit HDR. Compatible with HDR, HDR+, HLG, and Dolby Vision.



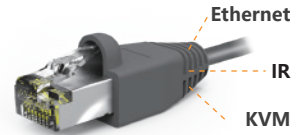
Uncompressed Transmission

LK-HBT3 realize 4K60 transmission in complete 18Gbps bandwidth without any compression. Maintain original color deep and intact HDR.

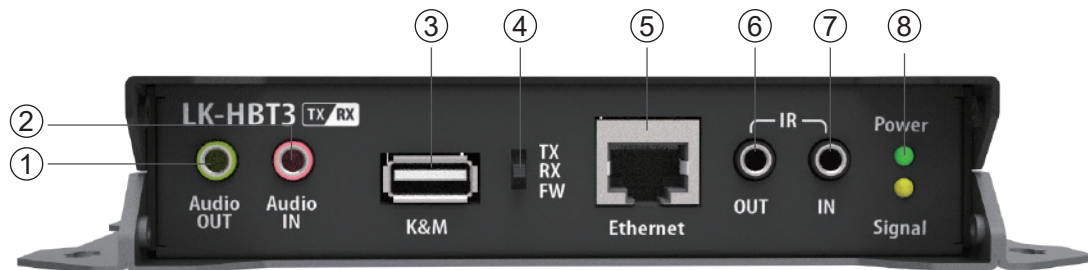


IR & Ethernet & KVM Extension

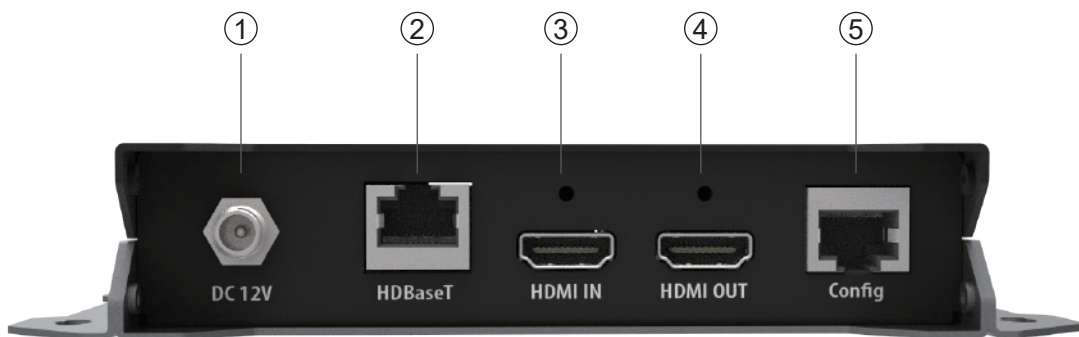
Support bi-directional IR and 1 Gbps Ethernet Extension. Carries KVM for PC remote control.



5 DESCRIPTION



- 1) 3.5mm jack for audio extraction
- 2) 3.5mm jack for external audio embedding
- 3) USB Host/Device for KVM extension
- 4) TX/RX/Firmware update Dial Switch
- 5) 1 Gbps Ethernet extension
- 6) IR Out connect with IR Emitter
- 7) IR In connect with IR Sensor
- 8) Power & Signal indicator



- 1) 12 Volt DC power with locker
- 2) HDBaseT signal port
- 3) HDMI 2.0 Input for signal source
- 4) HDMI2.0 Output for display
- 5) Chipset update and config

6 SPECIFICATION

Video	Resolution	1920x1080@30/50/60/120Hz 3840x2160@30/50/60Hz 4096x2160@50/60Hz Customized Resolution up to 594MHz pixel clock
	HDR Formats	HDR10, HDR10+, HLG, Dolby Vision
	Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
	Color Depth	8-bit, 10-bit, 12-bit
Distance	CAT6a/7 4K@60Hz	Up to 230ft/70m
	CAT6a/7 1080P@60Hz	Up to 328ft/100m
Signal	Bandwidth	18Gbps
	HDCP	HDCP2.2 and earlier version supported
	Ethernet	1Gbps
	USB	USB 2.0. Compatible for USB Host and USB Device
Environment	Operating	32° F~122° F, or 0°C~50°C
	Storage	-4° F~140° F, or -20°C~60°C
	Humidity	20 ~ 90% non-condensing
Power	Consumption	10.8W for pair
	Supply	Input: AC100-240V 50/60Hz, Output: DC12V 1.5A
Mechanical	Dimension	200 x 72 x 27mm
	Weight	800g

SPROLINK®

XIAMEN SPROLINK SCIENCE & TECHNOLOGY CO., LTD

📍 Unit 301, No.1734, Gangzhong Road, Xiamen Free Trade Zone, China.

✉ sales@sprolink.com ☎ +86 592 556 5698 🌐 www.sprolink.com