

## Overview:

The MuxLab HDMI/USB-C KVM Extender Kit HDBT, 4K/60 (500452) allows one HDMI channel and one USB2.0 channel to be transmitted over distances of up to 131ft (40m) at 4K@60Hz (4:4:4) resolution, or 230ft (70m) at resolutions up to 1080p via one (1) Cat 6/6a/7 unshielded twisted pair cable in a point-to-point configuration.

The MuxLab HDMI/USB-C KVM Extender Kit HDBT, 4K/60 includes one (1) transmitter and one (1) receiver. The transmitter is a wall plate HDBT 2x1 switcher with HDMI and USB-C input. It features a US one-gang enclosure for Decora-style wall plate openings. The USB-C input provides an ideal AV interface for connecting with new Apple notebooks and Windows® PCs as well as smartphones and tablets. The Transmitter is remotely powered by the Receiver via PoC. The Receiver features a 1x2 USB2.0 hub for transferring USB2.0 data transmissions and has analog audio output.



## Applications:

- KVM / AV Systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

## Key Features:

- Compliant with HDMI 2.0b, HDCP 2.2 and DisplayPort 1.2a
- Supports 18Gbps video bandwidth
- 4K @ 60Hz (4:4:4) to distances of up to 131ft (40m) over single Cat6/6a/7 cable
- 1080p @ 60Hz to distances of up to 230ft (70m) over single Cat6/6a/7 cable
- Supports all digital audio modes
- Supports HDMI and USB-C input
- USB2.0 extension with Receiver
- Input signal selection supports automatic or manual mode
- USB-C charging port

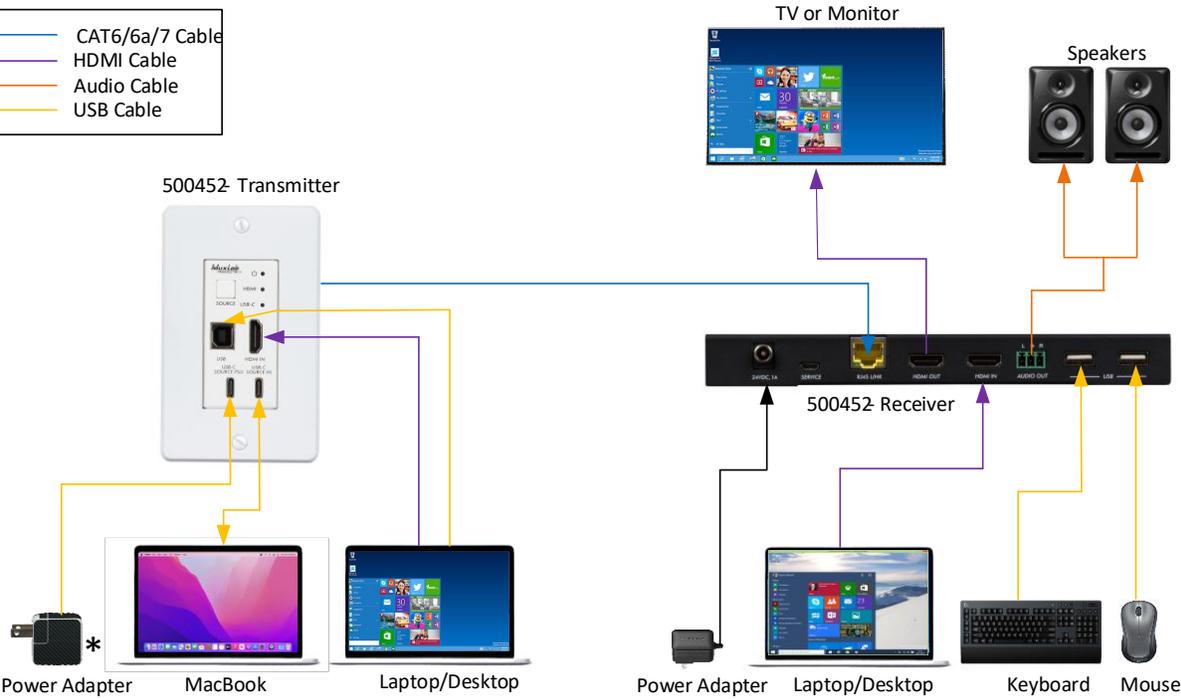
Specification	
<b>HDMI Compliance</b>	HDMI 2.0b, DisplayPort 1.2a
<b>HDCP Compliance</b>	HDCP 2.2
<b>Video Bandwidth</b>	18 Gbps
<b>Video Resolution</b>	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 2048x1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
<b>Color Space</b>	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
<b>Color Depth</b>	8/10/12-bit
<b>HDR</b>	HDR10, HDR10+
<b>HDMI Audio Formats</b>	Dolby Atmos, TrueHD, Digital+, Digital; DTS X, HD Master Audio, HD High Resolution Audio, 5.1; PCM 2-8Ch
<b>Transmission Distance</b>	Max distance (1080p): 230ft / 70m over CAT6/6a/7 Max distance (4K): 131ft / 40m over CAT6/6a/7
<b>ESD Protection</b>	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
<b>Connectors (Transmitter)</b>	Inputs: 1x HDMI Type A [19-pin female] 1x USB-C Outputs: 1x HDBaseT Out [RJ45, 8-pin female] 1x USB-C (only for charging) Control: 1x USB-B [Micro USB, Update port]
<b>Connectors (Receiver)</b>	Inputs: 1x HDMI IN [Type A, 19-pin female] 1x HDBaseT IN [RJ45, 8-pin female] Outputs: 1x HDMI OUT [Type A, 19-pin female] 1x AUDIO OUT [Phoenix jack] Control: 2x USB [USB A TYPE] 1x FW [Micro USB, Update port]
<b>Power Supply</b>	Receiver: One (1) 110-240V/24VDC Power supply with interchangeable blades Transmitter: Powered by the Receiver via PoC (Note: only one power supply is required if USB devices are being powered)
<b>Housing</b>	Metal Enclosure
<b>Dimensions (WxDxH)</b>	Wall plate: 1.31" x 2.58" x 2.70" (33.3mm x 65.7mm x 68.7mm) Faceplate: 2.75" x 0.11" x 4.5" (69.9mm x 3mm x 114.3mm) Receiver: 7.87" x 3.85" x 0.90" (200mm x 98mm x 23mm)
<b>Weight</b>	Wall plate: 0.43 lbs (0.196 kg) Receiver: 1.12 lbs (0.511 kg)
<b>Shipping Weight</b>	2.67 lbs (1.21 kg)
<b>Warranty</b>	2 years
<b>Order Information</b>	500452 HDMI/USB-C KVM Extender Kit HDBT, 4K/60 (UPC: 627699004524)

# HDMI/USB-C KVM Extender Kit HDBT, 4K/60

500452

**Typical Application**

- CAT6/6a/7 Cable
- HDMI Cable
- Audio Cable
- USB Cable



(\*) The TX is PoC powered by the RX. However an optional power supply may be used if connected USB devices do not have their own power supply and must be powered via the TX USB port.



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