

# MuxLab PRODIGITAL™

YOUR #1 CHOICE FOR AV CONNECTIVITY SOLUTIONS

Q4/2016  
Product  
Guide



## Digital AV & Pro Audio

CONNECTIVITY SOLUTIONS

# MuxLab's mission

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Established in 1984



MuxLab is a leading designer of value-added connectivity hardware for the Pro AV, Broadcast, and CCTV markets. Since 1984, we have continued to support our main mission to provide our customers with innovative and industry leading designs and the dependability you need.

MuxLab understands the need for quality, performance, and reliability and we design & engineer all of our products in Canada with this focus in mind. For over 30 years, MuxLab has been at the forefront of the advances in signal distribution and connectivity. Keeping up with emerging technology, our goal is to provide easy to use and affordable solutions for transferring all forms of Audio/Video, Broadcast, and CCTV signals.

Let us join you on your next installation and help transmit your signals with ease.

Sincerely,

Daniel Assaraf  
President  
Montreal, Canada

## Proud to be Canadian

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MuxLab is proud to design and engineer its products in Canada, by Canadian professionals. We create jobs and support local manufacturing, something we're proud of today and every day.



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# AV over IP & Digital Signage

## HDMI over IP Extender with PoE Kit

Part # 500752



The HDMI over IP Extender (500752) allows an HDMI source to be connected via any Ethernet LAN thereby allowing AV broadcasts to be set up and changed without the need to install a dedicated cabling system. The kit includes two units; HDMI over IP Transmitter (500752-TX) and HDMI over IP Receiver (500752-RX). The HDMI Transmitter converts an HDMI bitstream into IP allowing it to be transmitted over an Ethernet LAN. The HDMI Receiver converts the IP packets back to the original HDMI bitstream for playback via an HDMI display.

Key Features	Extends 1080p HDMI via LAN
	Supports 100's of Transmitters and Receivers limited only by network bandwidth
	Point-to-point, broadcasting and multicasting
	Supports PoE
	Support IR Control, HDCP
Control: via 500811 Pro Digital Network Controller web interface or via 500811 API for Third Party smartphone or tablet control	



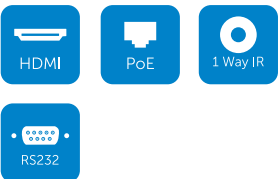
## HDMI / RS232 over IP Extender Kit with PoE

Part # 500753



The HDMI / RS232 over IP Extender Kit with PoE allows HDMI equipment to be connected up to 330 ft (100m) @ 1080p via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is possible by connecting several transmitters and receivers to the same Ethernet network. The Transmitter (500753-TX) and Receiver (500753-RX) also supports PoE if used with a PoE Ethernet Switch. The kit comes with one (1) Transmitter and one (1) Receiver. For the point-to-multipoint and multipoint-to-multipoint configuration the Ethernet switch must have Gigabit ports, DHCP Server capability and IGMP communications protocol. We recommend using the Cisco SG300 Series Managed Switches.

Key Features	HDMI 1.3, PoE powered
	Supports up to 1080p resolution @ 60Hz
	Supports IR and RS232 transmission for remote control of end devices
	Motion JPEG compression with Very low latency
	Transmission up to 330 ft (100m) over Cat5e/6
Supports 100's of Transmitters and Receivers limited only by network bandwidth	
Up to 390 ft (120m) between the TX and RX when no LAN switch is used	
Control: via 500811 Pro Digital Network Controller web interface or via 500811 API for Third Party smartphone or tablet control	





# HDMI over IP H.264 PoE Extender Kit

Part # 500757



The HDMI over IP H.264 allows an HDMI source to be connected via any Ethernet LAN connection allowing AV broadcasts to be set up and changed without the need to install a dedicated cabling system. Uses H.264 compression algorithm for low bandwidth requirements. Point-to-Multipoint and Multipoint-to-Multipoint is possible by connecting several Transmitters and Receivers to the same network (supports 100's of Transmitters and Receivers limited only by network bandwidth).

Key Features	
<div><div>HDMI</div><div>H.264</div><div>PoE</div><div>2 Way IR</div></div>	Supports up to 1080p resolution @ 30Hz
	Up to 330 ft (100m) over Cat5e/6 cabling
	Supports Point-to-Point, Point-to-Multipoint and Multipoint-to-Multipoint configurations
	Supports 100's of Transmitters and Receivers limited only by network bandwidth
	PoE powered
	H.264 compression with less than 500ms latency
Control: via 500811 Pro Digital Network Controller web interface or via 500811 API for Third Party smartphone or tablet control	

# HDMI 4K over IP PoE Extender Kit

Part # 500758



The HDMI 4K over IP PoE Extender Kit allows HDMI equipment to be extended up to 330ft (100m) up to 4K (3840x2160) resolution @ 30Hz via one (1) Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to the same local Ethernet network, and the device supports PoE (PD) if used with a PoE (PSE) Ethernet Switch.

Key Features	
<div><div>HDMI</div><div>4K UHD-4K</div><div>PoE</div><div>1 Way IR</div><div>RS232</div></div>	Supports HDMI up to 4K @ 30Hz (4:4:4)
	Supports 100's of Transmitters & Receivers depending on network bandwidth
	Extend HDMI up to 330ft (100m) over Cat5e/6
	Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
	Supports audio insert (TX) & audio extract (RX)
	Supports RS232 and IR transmission for remote control

# HDMI / USB2.0 KVM over IP PoE Extender

Part # 500770



The KVM HDMI over IP PoE Extender Kit allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supporting 1080p resolution @ 60Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500770-TX) and Receiver (500770-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch. The Transmitter terminates to a computer server/workstation via an HDMI & USB port, The Receiver terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, camera, etc., via a 4 port USB hub. A single Receiver can be switched via hotkey sequences to any Transmitter on the network, allowing a single operator to manage numerous servers/workstations, in a distributed KVM application.





Key Features	One operator can manage multiple servers/workstations
	Supports HDMI up to 1080p @ 60Hz
	Receiver side includes a 4-port USB hub, for KVM applications
	Up to 330ft (100m) over Cat5e/6
	Supports 100's of Transmitters & Receivers depending on network bandwidth
	Supports multiple point-to-point, and point-to-multipoint applications
	Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)

# Video Wall over IP Extender Kit with PoE

Part # 500754



The Video Wall over IP Extender Kit with PoE allows HDMI equipment to create a Video Wall of user configurable size (X by Y) to 100's of displays, limited only by network bandwidth, utilizing one receiver for each display in the array. The transmitter unit can be connected using a LAN switch (PoE or non-PoE), with maximum distances of 330ft (100m) of Cat 5e/6 cable between equipment.

<div>Key Features</div> <div><div>HDMI</div><div>PoE</div><div>1 Way IR</div><div>RS232</div></div>	Configure a video wall array with 100's of displays limited only by network bandwidth
	HDMI 1.3
	PoE powered
	Supports up to 1080p resolution @ 60Hz
	Supports IR and RS232 transmission for remote control of end devices
	Control: via 500811 Pro Digital Network Controller web interface or via 500811 API for Third Party smartphone or tablet control

# Video Wall 4K over IP PoE Extender

Part # 500759



The Video Wall 4K over IP PoE Extender Kit allows HDMI equipment supporting up to 4K @ 30Hz or 1080p at 60Hz resolution to be connected and extended to create a Video Wall of user configurable size (X by Y) supporting 100’s of screens. Each Transmitter (500759-TX) and Receiver (500759-RX) can be connected via Cat5e/6 cable up to 330ft (100m) from an Ethernet Switch. The Transmitters and Receivers support PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch. The MuxLab Pro Digital Network Controller (500811) is available to simplify configuration and control and allows for third party smartphone and tablet management.

Key Features	Supports HDMI up to 4K @ 30Hz (4:4:4)
<div> <div>4K UHD-4K</div> <div>PoE</div> <div>HDMI</div> <div>1 Way IR</div> <div>RS232</div> </div>	Configure a video wall array with 100’s of displays limited only by network bandwidth
	Extend HDMI up to 330ft (100m) over Cat5e/6
	Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
	Supports audio insert (TX) & audio extract (RX)
	Supports RS232 and IR transmission for remote control

# Video Wall 4K60 over IP Uncompressed Extender

Part # 500760



The Video Wall 4K/60 over IP Uncompressed Extender Kit allows HDMI equipment supporting up to 4K @ 60Hz resolution to be connected and extended to create a Video Wall of user configurable size (X by Y) supporting 100’s of screens. Each Transmitter (500760-TX) and Receiver (500760-RX) can be connected via Cat5e/6 cable up to 330ft (100m) from an Ethernet Switch. The Transmitter supports audio insertion and the Receiver supports audio extraction. The MuxLab Pro Digital Network Controller (500811) is available to simplify configuration and control and allows for third party smartphone and tablet management.

Key Features	Configure a 4K/60 video wall array with 100’s of displays limited only by network bandwidth
	Supports HDMI up to 4K @ 60Hz (4:4:4)
	Uncompressed video up to 4K @ 60Hz (4:2:0) and is visually lossless up to 4K @ 60Hz (4:4:4)
	Supports 100’s of Transmitters & Receivers depending on network bandwidth
	Extend HDMI up to 330ft (100m) over Cat5e/6
	Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
	Supports audio insert (TX) & audio extract (RX)@ 60Hz (4:4:4)
	Supports RS232 & IR for remote control
	Managed via Pro Digital Network Controller (500811)







# Audio / RS232 over IP PoE Transceiver

Part # 500755



The AUDIO / RS232 over IP PoE Transceiver allows 2CH audio signals to be extended up to 330ft (100m) via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transceivers to the same local Ethernet network. The device supports PoE (PD) if used with a PoE (PSE) Ethernet Switch, and both RS232 and IR transmission for remote control of end devices. The Transceiver can be configured as a Transmitter or Receiver.

Key Features	Extend 2CH audio signals up to 330ft (100m) over Cat5e/6 cable
	Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
	Supports 100's of Transceivers depending on network bandwidth
	Supports RS232 and IR transmission for remote control
	2CH Analog Audio In/Out & Digital Audio Out
	PoE powered

# Audio / AMP over IP PoE Extender with Mic

Part # 500755-AMP



The Audio / AMP over IP PoE Extender Kit with Mic includes a Transmitter (500755-AMP-TX) and a Receiver (500755-AMP-RX) allowing a 2CH analog audio and Mic signal to be extended over an IP network, and up to 330ft (100m) from an Ethernet Switch via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transmitters and Receivers to the same local Ethernet network. Depending on the application one or more Transmitters (500755-AMP-TX) can communicate with (or multicast to) multiple Receivers (500755-AMP-RX). The Transmitter supports PoE (PD) if used with a PoE (PSE) Ethernet Switch. Supports RS232 and IR transmission for remote control of end devices.

Key Features	Extend two selectable 2CH audio signals inputs and Mic input up to 330ft (100m) over Cat5e/6 cable
	Supports a 2x50W Amplifier
	Supports bridge-mode for 1x100W
	Control input selection, plus volume, bass and treble
	Manage locally via push/turn knob and LCD display or remotely via web interface
	Compatible with 500755-70V for 70V speaker systems
	Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
	Supports 100's of Transceivers depending on network bandwidth
	Supports RS232 and IR transmission for remote control
	2CH Analog Audio In/Out & Digital Audio Out

# 70V Transformer for the 500755-AMP

Part # 500755-70V





The 500755-70V unit may be paired with the 500755-AMP-RX unit (set to bridge mode) to support daisy chained 70V speaker systems distributed over longer distances than traditional 4 or 8 ohm speakers can accommodate.

# 3G-SDI / RS232 over IP Extender Kit with PoE

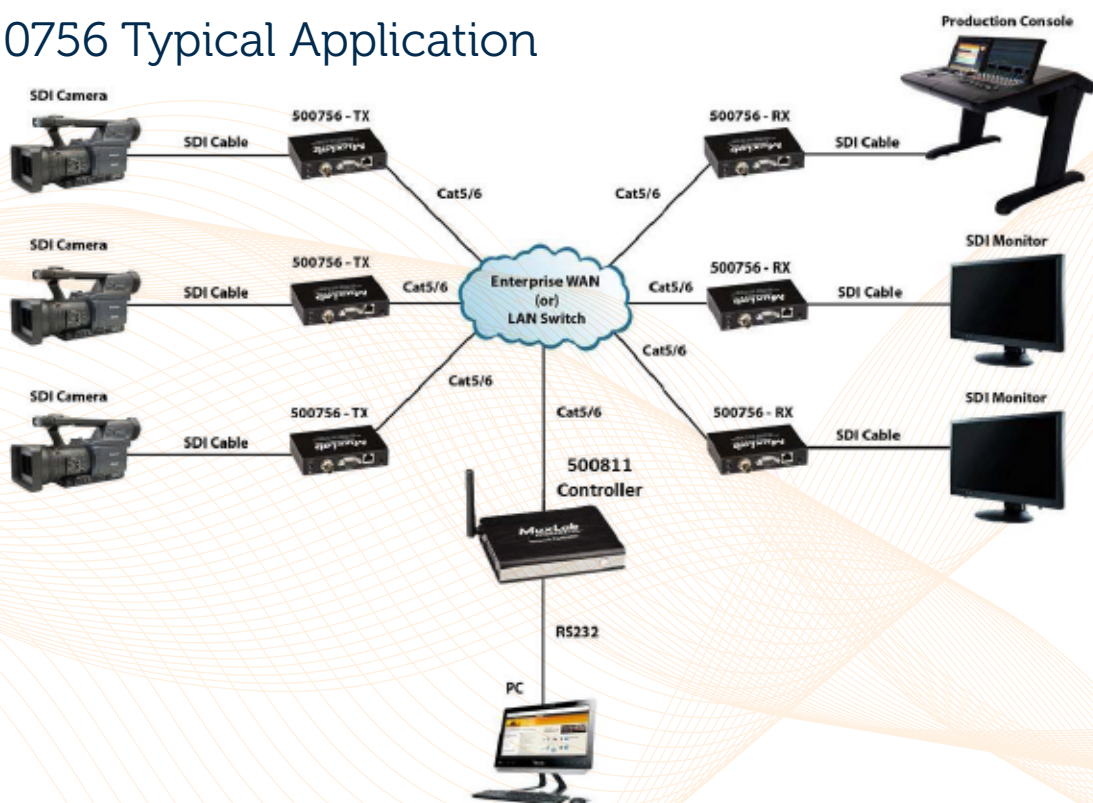
Part # 500756



The 3G-SDI / RS232 over IP Extender Kit with PoE allows SDI equipment to be connected up to 330ft (100m) @ 1080p through an IP network. Point-to-Multipoint, and Multipoint-to-Multipoint is possible by connecting several transmitter and receiver to the same network (supports 100's of Transmitters and Receivers limited only by network bandwidth).

Key Features	Supports up to 1080p resolution @ 60Hz
 HDMI	Motion JPEG compression with very low latency
 2 Way IR	Supports one way IR and RS232 transmission for remote control of end devices
 RS232	Transmission up to 330ft (100m) over an IP Network
 Ethernet	Supports 100's of Transmitters and Receivers limited only by network bandwidth
	Control: via 500811 Pro Digital Network Controller web interface or via 500811 API for Third Party smartphone or tablet control

## 500756 Typical Application



# DVI / USB 2.0 KVM over IP PoE Extender

Part # 500771



The KVM DVI over IP PoE Extender Kit allows DVI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supporting 1920x1200 and 1080p resolution @ 60Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500771-TX) and Receiver (500771-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch. The Transmitter terminates to a computer server/workstation via a DVI & USB port, The Receiver terminates to a DVI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, camera, etc., via a 4 port USB hub. A single Receiver can be switched via hotkey sequences to any Transmitter on the network, allowing a single operator to manage numerous servers/workstations, in a distributed KVM application.

Key Features	One operator can manage multiple servers/workstations
	Supports DVI up to 1920x1200 and 1080p @ 60Hz
	Receiver side includes a 4-port USB hub, for KVM applications
	Up to 330ft (100m) over Cat5e/6
	Supports 100's of Transmitters & Receivers depending on network bandwidth
	Supports multiple point-to-point, and point-to-multipoint applications
	Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)

# IP Control

## Pro Digital Network Controller, V2

Part # 500811



The MuxLab Network Controller is a Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. When installed on a local area network (LAN), the MuxLab Network Controller can scan the LAN for MuxLab products and allows the user to configure and control these products through an Ethernet Web interface.

Key Features	Centrally manages MuxLab Products, including over IP devices, via a web interface
	Provides control APIs (IP and RS232) for third party smartphone and tablet control applications
	Supports I/O Presets
	Supports software upgrades
	Supports 100's of Transmitters and Receivers limited only by network bandwidth



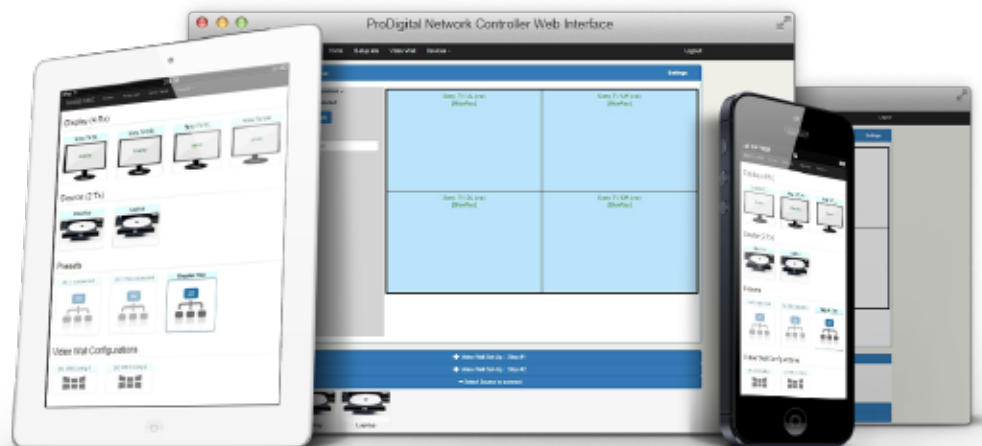


**Control MuxLab AV over IP solutions** via the **500811 (Pro Digital Network Controller)** **web and mobile interface, through a PC web browser**, smartphone, and tablet. The web and mobile interface may also be managed via third party software, either under user control or in an automated fashion.

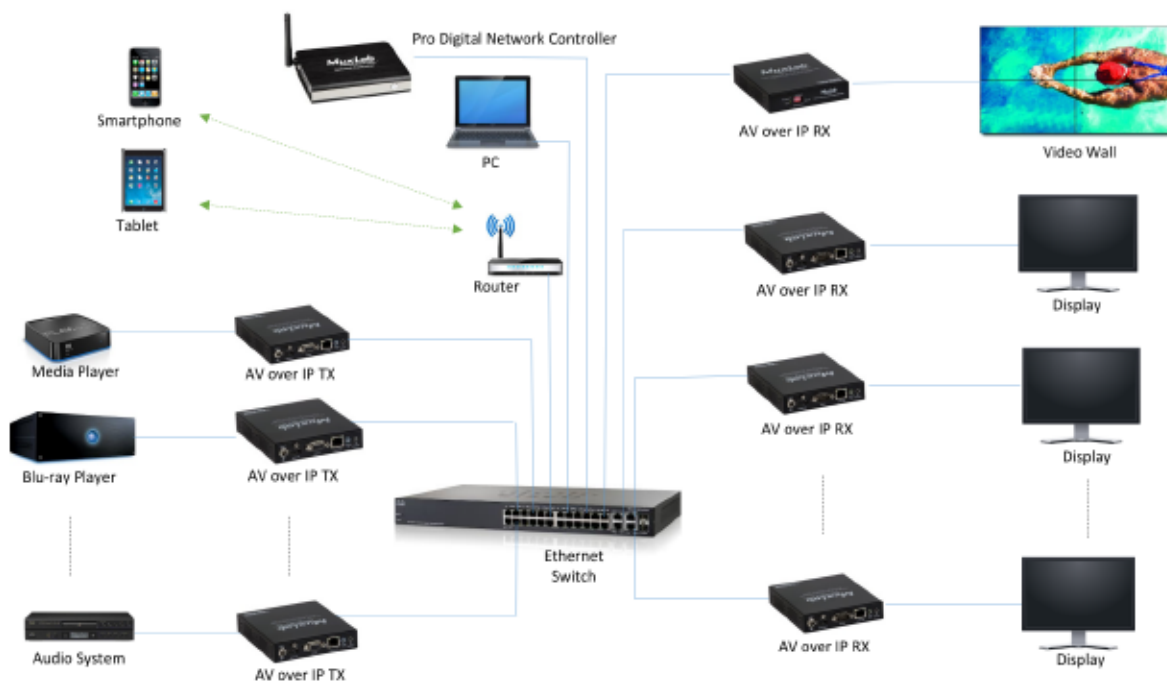
## AV over IP Management

The Pro Digital Network Controller web and mobile interface allows Muxlab's AV over IP Transmitters to be routed to Muxlab's AV over IP Receivers thereby enabling a virtual matrix switch to be set up between multiple HDMI & SDI sources and HDMI & SDI displays and SDI equipment (such as mixers) via a Gigabit Ethernet LAN. 100's of Transmitters and Receivers may be supported on a single LAN, depending on network bandwidth. The Pro Digital Network Controller web and mobile interface supports the addition or removal of Transmitters and Receivers as needed.

Changing Transmitter Receiver routing configurations between point-to-point, point-to-multipoint, and multipoint-to-multipoint arrangements is accomplished easily under software control. The resulting system allows for a truly flexible and expandable AV connectivity solution.



## Typical Application











# Multimedia Matrices

## 4K60 Multimedia 16x16 Matrix Switch

Part # 500480



Sporting a new modern look and a 7" touchscreen LCD display, the 4K60 Multimedia 16x16 Matrix Switch makes sharing AV sources easy. The switch features an 8-slot chassis that allows up to four 4-port input modules to be switched to up to four 4-port output modules for a maximum switching capacity of 16x16. The input and output cards are hot swappable and feature up to HDMI 2.0 connectivity to allow 4K60 signals to be passed via HDMI. The HDBaseT Class A I/O modules feature 328ft (100m) distance capabilities with PoE and LAN. Dual-redundant power supply design reduces the potential for down-time.

Key Features	Supports up to HDMI 2.0 at 4K60 (4:4:4) resolutions
       	HDBaseT technology
	Non-blocking switching from 4x4 to 16x16
	Supports up to four (4) hot swappable 4-port input modules
	Supports up to four (4) hot swappable 4-port output modules
	Input modules: HDMI 4K60, HDMI 4K30, HDBaseT, and HDBaseT Lite
	Output modules: HDMI 4K60, HDMI 4K30, HDBaseT, and HDBaseT Lite
	Dual redundant power supplies
	Analog audio extraction and insertion
	External control (7" touch screen, RS232, IR, IP, webserver)
	Supports many 3rd party drivers





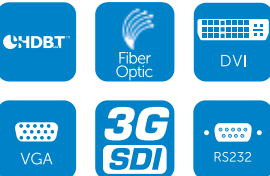
Input Cards	Product Description
500481-I	HDMI/RS232 4 channel Input Card, UHD-4K
500482-I	HDBaseT/LAN 4 channel Input Card, PoE, UHD-4K
500483-I	HDBaseT 4 channel Input Card, PoE, UHD-4K
500484-I	HDMI 4 Channel Input Card, 4K60
Output Cards	Product Description
500481-O	HDMI/RS232 4 channel Output Card, UHD-4K
500482-O	HDBaseT/LAN 4 channel Output Card, PoE, UHD-4K
500483-O	HDBaseT 4 channel Output Card, PoE, UHD-4K
500484-O	HDMI 4 Channel Output Card, 4K60

# Multimedia 16x16 Matrix Switch

Part # 500470



The Multimedia 16 x 16 Matrix Switch System is a modular AV switching platform that converts and switches a wide range of digital and analog AV inputs to HDMI via HDBaseT over Cat5e/6 cables. The switch features an 8-slot chassis that allows up to four 4-port input modules to be switched to up to four 4-port output modules for a maximum switching capacity of 16 x 16. The Matrix Switch is managed via front panel controls, RS232, USB, web server interface, and third party drivers and features dual-redundant power supplies for ease of service.

Key Features	Supports resolutions up to 1080p @ 60Hz, plus 3D of HDMI 1.4
  	Hot-swappable I/O cards
	Input signals converted to HDMI
	Non-blocking switching from 4x4 to 16x16
	Supports up to four 4-port input modules
	Supports up to four 4-port output modules
	Input modules: HDMI, HD-SDI, DVI, and VGA
	Output modules: HDMI, HDBaseT, Fiber
	Dual-redundant power supplies
	Control via front panel, RS232, USB, webserver
	Control4® driver available
	Supports many 3rd party drivers

Input Cards	Product Description
500471	HDMI 4-Channel Input Card
500471-SA	HDMI 4-Channel Input Card with Stereo Audio Out
500472	DVI 4-Channel Input Card
500473	3G-SDI 4-Channel Input Card
500474	VGA 4-Channel Input Card
Output Cards	Product Description
500475	HDMI 4-Channel Output Card
500475-SA	HDMI 4-Channel Output Card with Stereo Audio Out
500476	HDBaseT 4-Channel Output Card
500477/479	Fiber 4-Channel Output Card / Fiber 2-Channel Output
500478	Replacement Power Supply Module



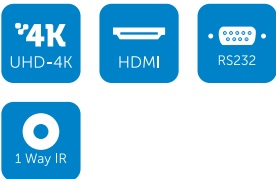
# HDMI 4x2 Matrix Switch UHD-4K

Part # 500442



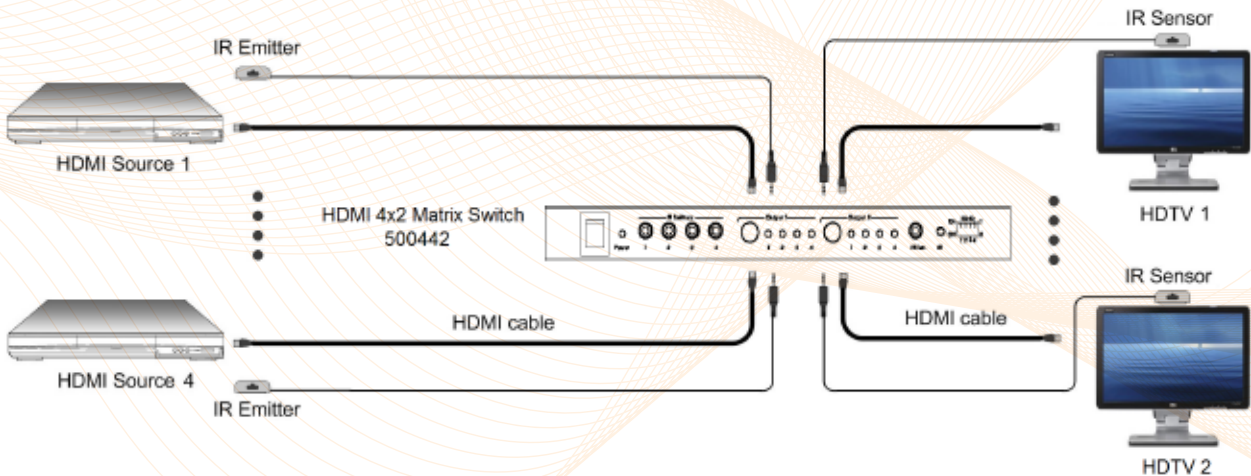
The HDMI 4x2 Matrix, UHD-4K connects 4 HDMI sources to 2 displays. This matrix provides 2 HDMI outputs and each HDMI output is supporting resolutions up to 4K @ 30Hz, plus all 3D formats and supporting independent EDID control. It works with Blu-Ray players, Set-Top boxes, Home Theater PCs, and game consoles that connect to an HDMI display. Any source is accessible at all times by any display by selecting it via the supplied IR Remote Control, RS-232 or by using the selection buttons on the front panel.

Key Features	HDMI V1.4 supports: 4K x 2K @30Hz,1080p @120Hz and 1080p 3D @60Hz
	Supports color depth of 48, 36, 30 and 24 bit
	Supports LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
	Allows any source to be displayed on multiple displays at the same time
	Allows any HDMI display to view any HDMI source at any time
	Input ports support independent EDID
	Supports IR matrix
	Supports pushbutton, IR and RS232 control
	Includes 3 IR sensors and 4 IR emitters. IR sensor and IR emitter cable length: 154 cm



*\*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.*

## Typical Application 500442



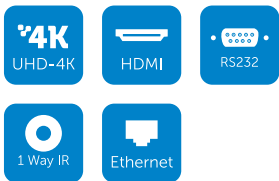
# HDMI 4x4 Matrix Switch UHD-4K

Part # 500440



The HDMI 4x4 Matrix, UHD-4K connects four HDMI sources to four displays. This matrix provides four HDMI outputs and each HDMI output is supporting resolutions up to 4K @ 30Hz, plus all 3D formats and supporting independent EDID control. It works with Blu-Ray players, Set-Top boxes, Home Theater PCs, and game consoles that connect to an HDMI display. Any source is accessible at all times by any display by selecting it via the supplied IR Remote Control, RS-232 or by using the selection buttons on the front panel.

Key Features	HDMI V1.4 supports: 4K x 2K @30Hz,1080p @120Hz and 1080p 3D @60Hz
	Supports color depth of 48, 36, 30 and 24 bit
	Supports LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
	Allows any source to be displayed on multiple displays at the same time
	Allows any HDMI display to view any HDMI source at any time
	Input ports support independent EDID
	Supports IR matrix
	Supports pushbutton, IR and RS232 control
	Includes 5 IR sensors and 4 IR emitters. IR sensor and IR emitter cable length: 154 cm
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>



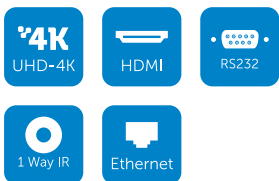
# HDMI 8x8 Matrix Switch UHD-4K

Part # 500441



The HDMI 8x8 Matrix, UHD-4K connects eight HDMI sources to eight displays. This matrix provides eight HDMI outputs and each HDMI output is supporting resolutions up to 4K @ 30Hz, plus all 3D formats and supporting independent EDID control. It works with Blu-Ray players, Set-Top boxes, Home Theater PCs, and game consoles that connect to an HDMI display. Any source is accessible at all times by any display by selecting it via the supplied IR Remote Control, RS-232, TCP/IP or by using the selection buttons on the front panel.

Key Features	HDMI V1.4 supports: 4K x 2K @30Hz,1080p @120Hz and 1080p 3D @60Hz
	Supports color depth of 48, 36, 30 and 24 bit
	Supports LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
	Allows any source to be displayed on multiple displays at the same time
	Allows any HDMI display to view any HDMI source at any time
	Input ports support independent EDID
	Supports IR matrix and Digital Audio output
	Supports pushbutton, IR, RS232 and TCP/IP Control
	Front panel LCD display for status feedback
	Includes 9 IR sensors and 8 IR emitters. IR sensor and IR emitter cable length: 154 cm
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>









# HDMI / HDBaseT Matrices

## HDMI 4x4 Matrix Switch, HDBT, PoE

Part # 500416-PoE  
500416-PoE-Kit\*



The HDMI 4x4 Matrix Switch, HDBT (500416-PoE) allows up to four (4) different HDMI sources to be connected and/or distributed to up to four (4) HDMI displays via Cat5e/6 unshielded twisted pair cables. The product works in conjunction with MuxLab's HDMI receivers (500454-RX, 500454-POE-RX, 500451-RX) supporting up to 230 ft (70m) at all resolutions up to 1080p via Cat5e/6 cables. Management functions include pushbutton, IR, USB, RS232 and webserver interface.

Key Features	
     	HDBaseT switching via one (1) Cat5e/6
	Up to 230 ft (70m) @ 1080p via Cat5e/6
	Works with 500451-RX, 500454-RX
	Supports PoE when used with 500454-PoE-RX
	Control: pushbutton, IR, USB, RS232, Webserver
	Supports IR matrix and source control
Includes four IR emitters plus wireless remote	







\*The 500416-PoE-Kit includes 4 x 500454-PoE-RX

## HDMI 4x8 Matrix Switch, 4HDMI + 4HDBT, PoE

Part # 500419-PoE



The HDMI 4x8 Matrix Switch, 4HDMI+4HDBT, PoE allows up to four different HDMI sources to be connected and/or distributed to up to eight HDMI displays via either Cat5e/6 unshielded twisted pair cables (4) or HDMI cables (4). The product works in conjunction with MuxLab's HDMI receivers (500451-RX, 500454-RX, 500454-POE-RX) supporting up to 230 ft (70m) at all resolutions up to 1080p via Cat5e/6 cables. Management functions include pushbutton, IR, USB, RS232 and webserver interface.

Key Features	
     	(4) HDBaseT outputs and (4) HDMI outputs
	HDBaseT switching via one (1) Cat5e/6
	Up to 230 ft (70m) @ 1080p via Cat5e/6
	Works with 500451-RX, 500454-RX
	Supports PoE when used with 500454-PoE-RX
	Control: front panel display and keyboard, IR, USB, RS232, Webserver
Supports IR matrix and source control	



# HDMI 4x8 Matrix Switch HDBT, PoE

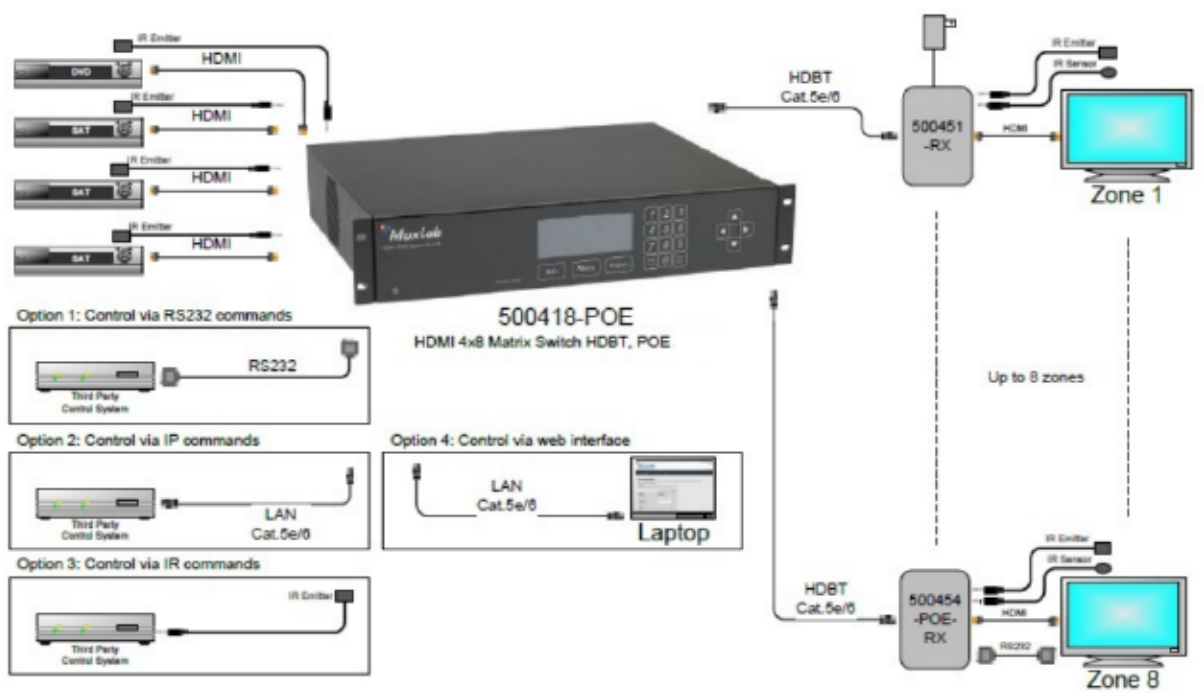
Part # 500418-PoE



The HDMI 4x8 Matrix Switch, HDBT (500418-PoE) allows up to four (4) different HDMI sources to be connected and/or distributed to up to eight (8) HDMI displays via Cat5e/6 unshielded twisted pair cables. The product works in conjunction with MuxLab's HDMI receivers (500454-RX, 500454-PoE-RX, 500451-RX) supporting up to 230 ft (70m) at all resolutions up to 1080p via Cat5e/6 cables. Management functions include pushbutton, IR, USB, RS232 and webserver interface.

Key Features	
	Distributes up to 4 HDMI sources to up to 8 HDMI displays
	Supports up to 1080p @ 60Hz, Deep Color 12-bit, and 3D
	Works with 500451-RX, 500454-RX
	Supports PoE when used with 500454-PoE-RX
	Supports Dolby TrueHD and DTS-HD Master Audio
	Control: front panel display and keyboard, IR, USB, RS232, Webserver
	LED diagnostics
	HDMI 1.4 and HDCP 1.3 compliant

## Typical Application 500418



# HDMI 8x8 Matrix Switch, 4 HDMI + 4 HDBT, PoE

Part # 500468-PoE



The HDMI 8x8 Matrix Switch, 4HDMI+4HDBT, PoE allows up to eight different HDMI sources to be connected and/or distributed to up to eight HDMI displays. The product works in conjunction with MuxLab's HDMI receivers (500451-RX, 500454-RX, 500454-POE-RX) supporting up to 230 ft (70m) at all resolutions up to 1080p via Cat5e/6 cables. Management functions include pushbutton, IR, USB, RS232 and webserver interface.

<div>Key Features</div> <div><div><div>HDBT</div><div>HDMI</div><div>PoE</div></div><div><div>RS232</div><div>2 Way IR</div><div>Ethernet</div></div></div>	(4) HDBaseT outputs and (4) HDMI outputs
	HDBaseT switching via one (1) Cat5e/6
	Up to 230 ft (70m) @ 1080p via Cat5/e6
	Works with 500451-RX, 500454-RX
	Supports PoE when used with 500454-PoE-RX
	Control: front panel display and keyboard, IR, USB, RS232, Webserver
	Supports IR matrix and source control
	Includes four IR emitters plus wireless remote

# HDMI 8x8 Matrix Switch, HDBT, PoE

Part # 500469-PoE



The HDMI 8x8 Matrix Switch, HDBT allows up to eight different HDMI sources to be connected and/or distributed to up to eight HDMI displays. The product works in conjunction with MuxLab's HDMI receivers (500451-RX, 500454-RX, 500454-POE-RX) supporting up to 230 ft (70m) at all resolutions up to 1080p via Cat5e/6 cables. Management functions include pushbutton, IR, USB, RS232 and webserver interface.

<div>Key Features</div> <div><div><div>HDBT</div><div>PoE</div><div>RS232</div></div><div><div>2 Way IR</div><div>Ethernet</div><div>HDMI</div></div></div>	HDBaseT switching via one (1) Cat5e/6
	Up to 230 ft (70m) @ 1080p via Cat5e
	Works with 500451-RX, 500454-RX
	Supports POE when used with 500454-POE-RX
	Control: front panel display and keyboard, IR, USB, RS232, Webserver
	Supports IR matrix and source control
	Includes four IR emitters plus wireless remote

# Matrices Quick Reference Guide

## HDMI / HDBT Matrix Switches

SKU	Description	Input/Output	Control	4K Support	EDID Mgmt	Transmitter/ Receiver	Comments
500416-PoE	HDMI 4x4 Matrix Switch, HDBaseT, PoE	4x HDMI in 4x HDBaseT out	Push-button IR, USB IP, RS232	✗	✓	RX - 500451 (non PoE) RX - 500454 (non PoE w/RS232) RX - 500454-PoE (w/PoE & RS232)	Max 231ft / 70m over single Cat5e/6. Available as a kit with 4x PoE receivers HDCP compliant. 3D support IR & RS232 pass-thru to HDBaseT
500418-PoE	HDMI 4x8 Matrix Switch, HDBaseT, PoE	4x HDMI in 8x HDBaseT out	Push-button IR, USB IP, RS232	✗	✓	RX - 500451 (non PoE) RX - 500454 (non PoE w/RS232) RX - 500454-PoE (w/PoE & RS232)	Max 231ft / 70m over single Cat5e/6. HDCP compliant. 3D support. IR & RS232 pass-thru to HDBaseT
500419-PoE	HDMI 4x8 Matrix Switch, 4HDMI+4HDBT	4x HDMI in 4x HDMI out 4x HDBaseT out	Push-button IR, USB IP, RS232	✗	✓	RX - 500451 (non PoE) RX - 500454 (non PoE w/RS232) RX - 500454-PoE (w/PoE & RS232)	Max 231ft / 70m over single Cat5e/6. HDCP compliant 3D support. IR & RS232 pass-thru to HDBaseT
500440	HDMI 4x4 Matrix Switch UHD-4K	4x HDMI in 4x HDMI out	Push-button IR, RS232	✓	✓	n/a	Discreet IR pass-thru 4K30 support
500441	HDMI 8x8 Matrix Switch UHD-4K	8x HDMI in 8x HDMI out	Push-button IR, RS232, IP	✓	✓	n/a	Discreet IR pass-thru. Digital audio breakout (coax). 4K30 support
500442	HDMI 4x2 Matrix Switch UHD-4K	4x HDMI in 2x HDMI out	Push-button IR, RS232	✓	✓	n/a	Discreet IR pass-thru 4K30 support
500468-PoE	HDMI 8x8 Matrix Switch, 4HDMI+4HDBT	8x HDMI in 4x HDMI out 4x HDBaseT out	Push-button IR, USB IP, RS232	✗	✓	RX - 500451 (non PoE) RX - 500454 (non PoE w/RS232) RX - 500454-PoE (w/PoE & RS232)	Max 231ft / 70m over single Cat5e/6. HDCP compliant. 3D support. IR & RS232 pass-thru to HDBaseT
500469-PoE	HDMI 8x8 Matrix Switch, HDBT	8x HDMI in 8x HDBaseT out	Push-button IR, USB IP, RS232	✗	✓	RX - 500451 (non PoE) RX - 500454 (non PoE w/RS232) RX - 500454-PoE (w/PoE & RS232)	Max 231ft / 70m over single Cat5e/6. HDCP compliant 3D support. IR & RS232 pass-thru to HDBaseT
500470	Multimedia 16 x 16 Matrix Switch	8 slot chassis for max 16x16 matrix  4x input cards total 4x output cards total	Front panel, RS232, USB, and webserver interface	✓	✓	RX - 500451)	Input cards: HDMI, HD-SDI, DVI & VGA. Output cards: HDMI, HDBaseT, Fiber Class B HDBaseT only IR & RS232 pass-thru to HDBaseT
500480	4K60 Multimedia 16x16 Matrix Switch	8 slot chassis for max 16x16 matrix  4x input cards total 4x output cards total	Touchscreen IR, USB IP, RS232	✓	✓	TBC	HDMI2.0 Ready Input cards: HDMI, HDBaseT. Output cards: HDMI, HDBaseT. Class A & B HDBaseT cards available. PoE/PoH on Class A HDBaseT output cards. IR & RS232 pass-thru to HDBaseT. Audio extraction & insertion

## Hubs, Splitters, Switches & Switchers

SKU	Description	Input/Output	Control	4K Support	EDID Mgmt	Transmitter/ Receiver	Comments
500421	HDMI 1x4 Splitter, 2K4K	1x HDMI input 4x HDMI output	✗	✓	✗	✗	HDCP compliant 3D support
500422	HDMI 1x8 Splitter, 2K4K	1x HDMI input 8x HDMI output	✗	✓	✗	✗	HDCP compliant 3D support
500423	HDMI 1x2 Splitter, 2K4K	1x HDMI input 2x HDMI output	✗	✓	✗	✗	HDCP compliant 3D support
500424	HDMI 1x4 HDBaseT Splitter	1x HDMI input 4x HDBaseT output	✗	✓	✓	500451-RX 500454-RX (w. RS232)	Max 231ft / 70m over single Cat5e/6. HDCP compliant 3D support
500425	HDMI 1x2 Splitter, 4K60	1x HDMI in 2x HDMI out	✗	4K60	✓	✗	HDCP 1.2, 2.2 compliant / 3D / 4K60
500426	HDMI 1x4 Splitter, 4K60	1x HDMI in 2x HDMI out	✗	4K60	✓	500451-RX 500454-RX (w. RS232)	HDCP 1.2, 2.2 compliant / 3D / 4K60
500427	HDMI 1x8 Splitter, 4K60	1x HDMI in 8x HDMI out	✗	4K60	✓	✗	HDCP 1.2, 2.2 compliant / 3D / 4K60
500430	HDMI 4x1 Switcher with Audio Extraction, UHD-4K	4 x HDMI Input 1 x HDMI Output	Push-button IR Remote	✓	✗	✗	Audio out: Coax, Optical, Stereo 3.5mm. HDCP compliant. 3D support

# HDMI and AV Switchers

## HDMI 4x1 Switcher with Audio Extraction, UHD-4K

Part # 500430

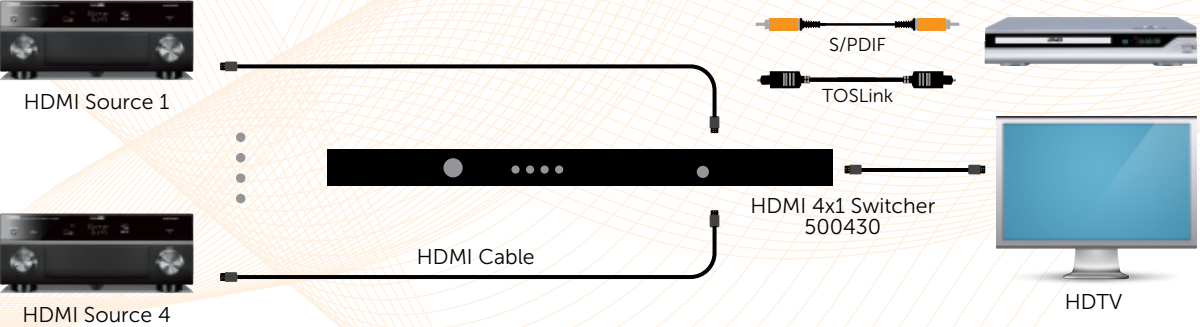


The HDMI 4x1 Switcher with Audio Extraction allows four (4) HDMI sources to be distributed to one (1) HDMI display. The switcher is HDCP 1.3 compliant and supports up to 4K (3840 x 2160), 8-bit color and HD audio. The extracted audio is available on an S/PDIF Toslink, Coaxial and 3.5mm Stereo Jack. The splitter is HDCP 1.3 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

<div>Key Features</div> <div><div><div>4K</div><div>UHD-4K</div></div><div><div>HDMI</div></div><div><div>Audio</div></div><div><div>Digital Audio Out</div></div></div>	Switches between four Ultra HD sources to one Ultra HD display
	Supports resolutions up to Ultra HD 4K x 2K (3840 x 2160 @ 30Hz) and 1080p Full HD
	Supports 12-bit Deep Color, 3D
	Extracts audio to S/PDIF Toslink, Coaxial and 3.5mm Stereo Jack
	Extracts LPCM to Analog Audio 3.5mm Stereo Jack
	Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™
	Push button selects between the four HDMI inputs
	IR Remote Control

\*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.

### Typical Application 500430





# PRESENTATION SWITCH

## 5x1 HDMI / HDBT Multimedia Presentation Switch

Part # 500435



The 5x1 HDMI / HDBT Presentation switch is a compact scaler switcher with 5 video inputs (3 HDMI, 2 VGA) and 6 audio inputs (3 HDMI audio inputs that replace existing HDMI audio, 2 VGA and 1 MIC audio inputs). The VGA input supports VGA, Component Video (YPbPr) and Composite Video. The 5x1 HDMI / HDBT Presentation switch scales & switches any video signal to HDMI output and HDBaseT output for a transmission over up to 70 m of Cat5e/6 with PoC support. With 1 IR Sensor, 5 IR Emitters and 1 RS232 port, bidirectional IR & RS232 signals can be transmitted simultaneously between the 5x1 HDMI / HDBT Presentation switch and the HDMI Extender PoC/PoE Receiver.

Key Features	Supports video source auto-switching function
	Bi-directional IR & RS232 control
	Supports HDMI, VGA, Composite Video, and Component Video (YPbPr) inputs
	Supports HDMI & HDBT outputs
	Output resolutions selectable (1920x1200, 1920x1080, 1600x1200, 1360x768, 1280x800, 1280x720, 1024x768)
	Supports CEC, with commands to enable/disable this function
	Compliant with HDCP
	Supports online software upgrading
	48V phantom power to support condenser microphone
	3-level MIC input, supports condenser microphone, dynamic microphone and wireless microphone
<div><div>HDBT</div><div>HDMI</div><div>VGA</div><div>RS232</div><div>Audio</div><div>Mic</div></div>	Controllable via button, IR & RS232
	Powerful OSD function



# RS232 / IR Control Panel

## 8 Button RS232/IR Control Panel

Part # 500816



The 8 Button RS232/IR Control Panel is a versatile wall or table-top mounted control panel for MuxLab AV devices and third party products. Each button is programmable and works either individually or as part of a group. The unit supports three (3) RS232, one (1) RS485, three (3) Infrared, and two (2) Relay for control of end devices. Units may be chained together to form larger systems. The 8 Button RS232/IR Control Panel can control MuxLab products, as well as third party devices such as projectors and projector screens, displays, AV sources and other similar devices.

Key Features	8 button control panel
	Buttons can be individually programmed
	Units can be chained to form larger systems
	Control end devices via RS232, RS485, IR & Relay
	Programmable through RS232 or mini USB port, via Control Panel PC Software
	Buttons are backlit and support customizable labels
	May be wall or table top mounted
	Supports firmware updates via mini USB port

## 500816 Typical Application

500455  
HDMI/VGA Wall Plate TX



Videoconference Room



500816  
8 Button RS232/IR Control Panel

500435  
HDMI/HDBT Presentation Switch



# HDMI / HDBaseT Splitters & Repeaters

## 4K60 HDMI 1x2 Splitter

Part # 500425



The 4K60 HDMI 1x2 Splitter allows one (1) HDMI source to be distributed to two (2) HDMI displays. The product supports all resolutions up to 4K @ 60Hz. The splitter is HDCP 1.4 and 2.2 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI 2.0 source to two displays
	Supports up to 4K @ 60Hz (4:4:4)
	HDCP 1.4 and 2.2 compliant
	Supports Dolby TrueHD and DTS-HD Master Audio
	Connectors on rear panel for neater cabling
	LED diagnostics



## 4K60 HDMI 1x4 Splitter

Part # 500426



The HDMI 1x4 Splitter allow one (1) HDMI source to be distributed to four (4) HDMI displays. The product supports all resolutions up to 4K @ 60Hz. The splitter is HDCP 1.4 and 2.2 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI 2.0 source to four displays
	Supports up to 4K @ 60Hz (4:4:4)
	HDCP 1.4 and 2.2 compliant
	Supports Dolby TrueHD and DTS-HD Master Audio
	Connectors on rear panel for neater cabling
	LED diagnostics



# 4K60 HDMI 1x8 Splitter

Part # 500427



The 4K60 HDMI 1x8 Splitter allows one (1) HDMI source to be distributed to eight (8) HDMI displays. The product supports all resolutions up to 4K @ 60Hz. The splitter is HDCP 1.4 and 2.2 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI 2.0 source to eight displays
	Supports up to 4K @ 60Hz (4:4:4)
	HDCP 1.4 and 2.2 compliant
	Supports Dolby TrueHD and DTS-HD Master Audio
	Connectors on rear panel for neater cabling
	LED diagnostics



# HDMI 1x2 Splitter, UHD-4K

Part # 500423



The HDMI 1x2 Splitter allows one (1) HDMI source to be distributed to up to two (2) HDMI displays. The splitter supports up to 4K (3840 X 2160), 8-bit color and HD audio. The splitter is HDCP 1.3 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI source to two displays
	Supports up to 1080p @ 60Hz, Deep Color 12-bit
	Supports 4K (UHD) Resolutions at 24Hz and 30Hz (4:4:4)
	Supports Dolby TrueHD and DTS-HD Master Audio
	Supports 3D
	LED diagnostics
	HDMI 1.4



HDCP 1.3 compliant  
*\*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.*



# HDMI 1x4 Splitter, UHD-4K

Part # 500421



The HDMI 1x4 Splitter (500421) allows one (1) HDMI source to be distributed to up to four (4) HDMI displays. The splitter supports up to 4K (3840 X 2160), 8-bit color and HD audio. The splitter is HDCP 1.3 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI source to four displays
	Supports up to 1080p @ 60Hz, Deep Color 12-bit
	Supports 4K (UHD) Resolutions at 24Hz and 30Hz (4:4:4)
	Supports Dolby TrueHD and DTS-HD Master Audio
	Connectors on rear panel for neater cabling
	Supports 3D
	LED diagnostics
	HDMI 1.4
	HDCP 1.3 compliant



*\*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.*

# HDMI 1x8 Splitter, UHD-4K

Part # 500422



The HDMI 1x8 Splitter allows one HDMI source to be distributed to up to eight HDMI displays. The splitter supports up to 4K (3840 X 2160), 8-bit color and HD audio. The splitter is HDCP 1.3 compliant and features LED diagnostics. Additionally, all HDMI connectors are on the rear panel for neater cabling.

Key Features	Distributes one HDMI source to eight displays
	Supports up to 1080p @ 60Hz, Deep Color 12-bit
	Supports 4K (UHD) Resolutions at 24Hz and 30Hz (4:4:4)
	Supports Dolby TrueHD and DTS-HD Master Audio
	Connectors on rear panel for neater cabling
	Supports 3D
	LED diagnostics
	HDMI 1.4
	HDCP 1.3 compliant



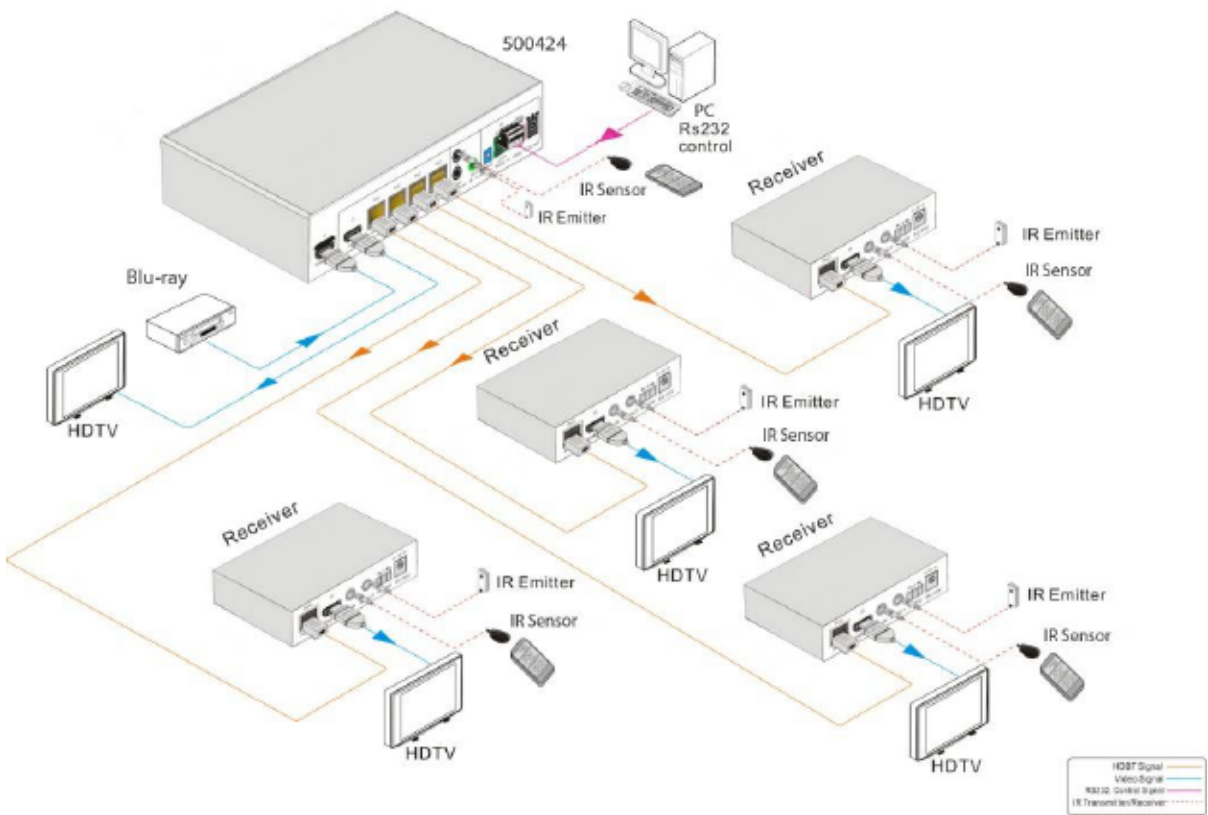
*\*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.*



The HDMI/HDBT 1x4 Splitter, UHD-4K is a HDBT Splitter accepting 1 HDMI input and distributing to 4 HDBT outputs, plus 1 HDMI output for local monitoring or for cascading up to four other splitters. The unit allows uncompressed 4K @ 30Hz HDMI, RS232 and IR signals to be transmitted over a single CAT5e/6 cable up to 131ft (40m) and a 1080p signal up to 230ft (70m). The HDMI/HDBT 1x4 Splitter is also capable of bi- directional IR transmission and EDID management. The 500454-RX HDBT Receiver is recommended as a companion device for the extended HDBT signal.

<div>Key Features</div> <div><div><div>UDBT</div></div><div><div>4K</div><div>UHD-4K</div></div><div><div>RS232</div></div><div><div>1 Way IR</div></div></div>	Distribute one HDMI 1.4 & 3D source to four displays
	Supports up to 4K @ 30Hz (4:4:4)
	HDCP 1.4 compliant
	Supports PCM, Dolby True HD, and DTS-HD Master Audio
	Supports RS232 and IR transmission for remote control
	EDID management
	Connectors on rear for neater cabling
	LED diagnostics

500424 Typical Application



# HDMI Scalers & Converters

## HDMI to HDMI with Audio Extraction, UHD-4K

Part # 500431



The HDMI to HDMI with Audio Extraction allows one (1) HDMI source to be distributed to one (1) HDMI display. The unit supports up to 4K (3840 x 2160), 8-bit color and HD audio. The extracted audio is available on an S/PDIF Toslink and 3.5mm Stereo Jack. The splitter is HDCP 1.3 compliant and features LED diagnostics.

Key Features	
<div><div>4K UHD-4K</div><div>HDMI</div><div>Audio</div><div>Digital Audio Out</div></div>	HDMI 1.4, HDCP 1.2 and DVI 1.0 compliant
	Supports HDMI audio sampling rate up to 192KHz
	No HDMI output connection required to receive audio
	Supports Analog Stereo and Optical S/PDIF audio outputs
	Supports resolution up to 4K* and 3D signals
	Supports Built-in audio EDID switching: LPCM 2CH, TV & Bitstream audio
*4K resolution 3840 X 2160 @ 24, 25, & 30 Hz	

## HDMI Video Scaler, UHD-4K

Part # 500433



The HDMI Video Scaler allows one (1) HDMI sources to be distributed to one (1) HDMI display. The scaler supports up to 4K (3840 x 2160), 8-bit color and HD audio. The scaler can upscale a 1080p/24Hz video to 4K/24Hz or downscale a 4K/24Hz to 1080p/24Hz. The scaler is HDCP 1.3 compliant and features LED diagnostics.

Key Features	
<div><div>4K UHD-4K</div><div>HDMI</div></div>	Supports resolutions up to 4K* and 3D signals
	HDCP & HDMI 1.4 compliant with 3D formats
	Simultaneous dual output: Scaled and Bypass
	Upscales 1080p/24Hz or downscales 4K/24Hz video
4K resolution is 3840 x 2160 @ 24, 25, or 30Hz	

# HDMI to VGA Converter

Part # 500466



The HDMI to VGA Converter (500466) converts a single HDMI channel to analog VGA/RGB. The converter allows HDMI sources to be used with legacy VGA/RGB equipment thereby helping to maximize investment in existing VGA hardware.

<b>Key Features</b>	Converts HDMI to VGA
	Supports up to 1080p/1920x1200 Deep Color
	Use HDMI sources with legacy VGA displays
	Supports DVI when used with a DVI to HDMI cable
	No external power required



# VGA to HDMI Converter with Scaler

Part # 500149



The VGA to HDMI Converter with Scaler is designed to scale analog video from a PC output source to digital HDMI output of wide-range HD and PC resolutions up to 1080p or WUXGA. Besides video scaling, the device can convert analog stereo audio input to digital format and embed it to HDMI output as 2-Channel LPCM. This unit has a comprehensive resolution button that allows the user to select a variety of output resolutions and adjust for best picture quality.

<b>Key Features</b>	HDMI and DVI 1.0 compliant
	Scales any PC resolutions (VGA-WUXGA) to HD (480i-1080p)
	Supports high resolution output
	Supports stereo analog input with PC video to HDMI output





# HDMI over Cat5e/6 Extenders

## HDMI Extender and Wall Plate Extender Kits

Part # 500401  
500401-WP-US & UK



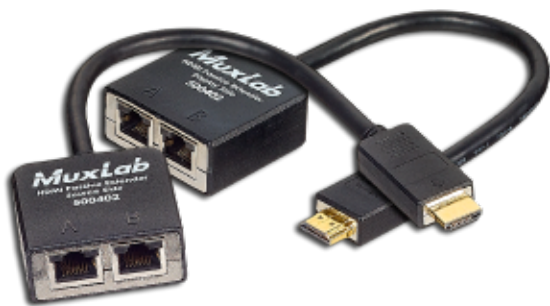
The HDMI Econo Plus Extender Kit (500401-WP) allows HDMI equipment to be connected up to 150 ft (45m) via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution. The product also supports 1080p Deep Color up to 90 ft (27m) via Cat6 cables. The kit comes with one (1) Transmitter, one (1) Receiver and one (1) Power Supply.

Key Features	Up to 150 ft (45m) @ 1080p via Cat5e
	Up to 90 ft (27m) @ 1080p Deep Color via Cat6
	Connect via two (2) Cat5e/6 cables
	Auto equalization
	LED diagnostics for power and sync



## HDMI Passive Extender Kit

Part # 500402



The HDMI Passive Extender Kit (500402) allows HDMI equipment to be connected up to 100 ft (30m) via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution. The product works with 1080p up to 150 ft (45m) via Cat6 cables. The kit comes with one (1) Transmitter and one (1) Receiver.

Key Features	HDMI 1.4
	Up to 100 ft (30m) @ 1080p via Cat5e
	Up to 150 ft (45m) @ 1080p via Cat6
	Connect via two (2) Cat5e/6 cables
	No external power required
	Supports HDMI 3D
	Works with Deep Color equipment






# HDMI / Bi-IR Extender Kit

Part # 500404



The HDMI/Bi-IR Extender Kit allows HDMI equipment to be connected via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and IR Sensor for remote control applications. Four (4) mounting ears are also provided for wall-mount applications.






Key Features	Supports up to 131 ft (40m) @ 1080p
	Use a single Cat5e/6 cable
	HDMI 1.3 compliant with 3D formats
	HDCP compliant
	Bi-direction IR Control
  	Supports LPCM, DTS-HD Master Audio and Dolby True HD

# HDMI Extender Kit Plus, HDBT, UHD-4K

Part # 500450



The HDMI Extender Kit (500450) allows HDMI equipment to be connected up to 330 ft (100 m) @ 4K resolution via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.

Key Features	HDMI 1.4 compliant with 3D, HDCP compliant
	Up to 330 ft (100m) at all resolutions up to 4K via single Cat5e/6
	Supports IR remote source control
	Includes IR Emitter, IR sensor, and 2 power supplies
	<i>*4K resolution 3840 x 2160 (4:4:4) @ 24, 25, &amp; 30Hz, and (4:2:0) @ 60Hz</i>
    	

# HDMI Extender Kit, HDBT, UHD-4K

Part # 500451

500451-PoE



The HDMI Extender Kit (500451, 500451-PoE) allows HDMI equipment to be connected via one (1) Cat5e/6 cable in a point-to-point configuration at all resolutions up to 4K. The 500451 supports IR source control and includes one (1) IR emitter and one (1) IR sensor. The kit comes with one (1) Transmitter, one (1) Receiver and two (2) Power Supplies. The product is available in a “PoE” configuration to allow the HDMI Receiver to be powered by the transmitter for greater ease of cabling.

Key Features	HDMI 1.4 compliant with 3D, HDCP compliant
	Up to 230 ft (70m) at all resolutions up to 1080p
<div> <div>UDBT</div> <div>4K UHD-4K</div> <div>2 Way IR</div> </div>	PoE version (optional)
	Up to 131 ft (40m) @ 4K resolution
<div> <div>PoE</div> <div>Cat5e/6</div> <div>HDMI</div> </div>	Supports all digital audio modes
	Supports Bi-directional IR remote control
	Includes IR Emitter and IR Sensor
	Locking screw for HDMI connector
*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.	

# HDMI Wall-Plate Extender Kit, HDBT Lite, UHD-4K / US or UK

Part # 500451-WP-Kit

500451-WP-UK



The HDMI Wall-Plate Extender Kit (500451-WP-KIT) allows HDMI equipment to be connected via one (1) Cat5e/6 cable in a point-to-point configuration at all resolutions up to 4K. The kit comes with one (1) Transmitter and one (1) Receiver. Application: Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Key Features	HDMI 1.4 compliant with 3D, HDCP compliant
	Brushed Aluminium Wall-Plate
<div> <div>UDBT</div> <div>4K UHD-4K</div> <div>2 Way IR</div> </div>	Up to 230 ft (70m) @ 1080p
	Up to 115 ft (35m) @ 4K/30Hz
<div> <div>Cat5e/6</div> <div>HDMI</div> </div>	Connect via a single Cat5e/6 cable
	Supports all digital audio modes
	Supports Bi-directional IR remote control
*4K resolution 3840 X 2160 @ 24, 25 & 30 Hz.	

# HDMI Wall-Plate Extender Kit, HDBT, UHD-4K, Decora

Part # 500451-WP-DEC



The HDMI Wall-Plate Extender Kit, HDBT, UHD-4K, Decora allows HDMI equipment to be connected via one (1) Cat5e/6 cable in a point-to-point configuration at all resolutions up to 4K. The kit comes with one (1) Transmitter and one (1) Receiver.

Key Features	
<div> <div>HDBT</div> <div>4K UHD-4K</div> <div>2 Way IR</div> <div>Cat5e/6</div> <div>HDMI</div> </div>	Supports 1080p deep color, 4K @ 30Hz & 3D resolutions
	Up to 230 ft (70m) via Cat5e/6 cable
	Up to 131 ft (40m) @ 4K/30Hz
	Supports Bi-directional IR
	Compatible with 500451
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>

# HDMI/LAN Extender Kit, HDBT, UHD-4K

Part # 500453



The HDMI/LAN Extender Kit (500453) allows HDMI equipment to be connected up to 330 ft (100 m) @ 4K resolution via one (1) Cat5e/6 unshielded twisted pair cable in a point-to- point configuration. Furthermore, the product supports up to two Ethernet 10/100 connections. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications and two (2) power supplies.

Key Features	
<div> <div>HDBT</div> <div>4K UHD-4K</div> <div>Ethernet</div> <div>2 Way IR</div> <div>Cat5e/6</div> <div>HDMI</div> </div>	HDMI 1.4 compliant with 3D, HDCP compliant
	Supports 3D feature of HDMI 1.4
	Up to 330 ft (100m) at all resolutions up to 4K via single Cat5e/6
	Supports all digital audio modes
	Supports Ethernet with two LAN ports
	Supports Bi-directional IR remote control
	Includes IR Emitter, IR sensor, and 2 power supplies
	Locking screw for HDMI connector
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>










# HDMI / RS232 Extender Kit, HDBT, UHD-4K

Part # 500454  
500454-PoE



The HDMI/RS232 Extender Kit (500454, 500454- PoE) allows HDMI equipment to be connected via one (1) Cat5e/6 cable in a point-to-point configuration at all resolutions up to 4K. Furthermore, the product supports RS232 to allow control commands to be transmitted between the HDMI source and receiver. The product is available in a “PoE” configuration to allow the HDMI/RS232 Receiver to be powered by the transmitter for greater ease of cabling.

Key Features	
	HDMI 1.4 compliant with 3D, HDCP compliant
	Up to 230 ft (70m) at all resolutions up to 1080p via single Cat5e/6
	Up to 131 ft (40m) @ 4K resolution
	Supports all digital audio modes
	PoE version available (model 500454-PoE)
	Supports RS232 and Bi-directional IR for remote control of end devices
	Includes IR Emitter (500998) and IR Sensor (500999)








*\*4K resolution 3840 X 2160 @ 24, 25, & 30 Hz.*

# HDMI 4-Play Extender Kit

Part # 500456



The HDMI 4-Play Extender Kit allows HDMI equipment to be connected up to 330 ft (100 m) @ 1080p Deep Color via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. The product also features one LAN port for interconnecting Ethernet equipment and a RS-232 port for control via the same Cat5e/6 cable. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.

Key Features	
	HDMI 1.4 compliant with 3D, HDCP compliant
	4-Play: Audio & Video, Infrared, Serial & Ethernet
	Supports up to 330 ft (100m) @ 1080p & 230 ft (70m) @ 4K*
	Supports LPCM, DTS-HD Master Audio and Dolby True HD
	Supports RS232 and Bi-directional IR for remote control of end devices
	
	<i>*4K resolution 3840 X 2160 @ 24, 25, &amp; 30 Hz.</i>

# HDMI/USB2.0 Extender Kit

Part # 500457



The HDMI/USB2.0 Extender Kit is an ideal solution for KVM applications. For a flexible video and control set-up, the HDMI / USB2.0 Extender Kit extends HDMI via Cat5e/6 cable up to 330ft (100m) at all resolutions up to 4K60. The Receiver features a 4-port USB2.0 hub for extending USB connected devices.

Key Features	
<div><div>HDMI</div><div>USB 2.0</div><div>2 Way IR</div><div>RS232</div><div>CHDBT</div><div>4K60 ULTRA HD</div></div>	Extends HDMI and USB 2.0 over Cat5e/6
	4-port USB 2.0 hub at Receiver, @ 250Mbps max
	Supports HDMI 4K @ 30Hz (4:4:4) up to 330ft (100m) over Cat5e/6
	Supports HDMI 4K @ 60Hz (4:2:0) up to 330ft (100m) over Cat5e/6
	Supports RS232 and Bi-directional IR for remote control of end devices

# HDMI – VGA/Audio Wall-Plate Transmitter, UHD-4K

Part # 500455-TX



HDMI – VGA/Audio Wall-Plate Transmitter is a Decora style transmitter that installs in a double-gang wall box to provide a convenient interface for HDMI / VGA input sources. It has one (1) HDMI IN, one (1) VGA IN, one (1) Audio In and one (1) HDBaseT Out. It supports VGA with full HD scaler, and HDMI 1.4 with 4k & 3D, input signals support auto-switching and manual-switching. The HDBaseT output supports 60m UHD video transmission, enables bi-directional RS232 communication between HDMI – VGA/Audio Wall-Plate Transmitter and remote device.

Key Features	
<div><div>CHDBT</div><div>4K UHD-4K</div><div>RS232</div><div>VGA</div><div>HDMI</div></div>	Selectable HDMI/ VGA with audio input
	Support VGA output resolution up to 1920x1200
	High bandwidth: 10.2Gbps
	Transmits HDMI signals up to 4K
	Compliant with HDMI 1.4, support 1080p 3D
	HDCP compliance, equipped with HDCP auto-tracking solution
	Provides auto-switching capability
Supports RS232 for remote control of end devices	

\*4K resolution 3840 X 2160 @ 24, 25, & 30 Hz.

\*See page 51 for associated accessories






# HDMI over Fiber, Coax, & Wireless Extenders

## HDMI 4K Fiber Extender Kit

Part # 500460



The HDMI Fiber Extender Kit (500460) allows HDMI equipment to be connected up to 1,000 ft (305m) @ 1080p Deep color and 4K resolution via one (1) 50/125µm or 62.5/125µm multimode fiber. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter (500998) and IR Sensor (500999) for remote control applications.




Key Features	Up to 1,000 ft (300m) via a single multimode fiber
	IR Control (IR Sensor and IR Emitter included)
	SC connector multimode fiber 62.5 um/125 um.
	Supports RS232 and 1 way IR for remote control of end devices
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>
	

## Mini HDMI Fiber 4K Extender Kit

Part # 500461



The Mini HDMI Fiber 4K Extender Kit allows an HDMI source, such as BluRay or PC, to be distributed over extended distances of up to 1,000 ft (305m) to a screen or monitor using Duplex Multimode Fiber cables at resolutions of up to 4K30. Powered via mini USB connectors, this space efficient extender kit is ideal for those hard-to-reach installations where space is crucial.

Key Features	HDMI 1.4a support
	HDCP support
	Compact design
	Distance up to 305m using LC Duplex multimode 50/125 µm OM3 fiber cable
	Power using micro USB connector
	Metallic enclosure for better heat dissipation
	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>

# HDMI Over Coax Extender Kit

Part # 500465, 500465-RX



The HDMI-over-Coax Extender Kit (500465) allows an HDMI source to be connected to an HDMI receiver up to 250 ft (76 m) at 1080p resolution via one (1) coax cable in a point-to- point configuration. Furthermore, the product may be cascaded via the HDMI-over-Coax Receiver (500465-RX) in order to support multi- display applications.

<div>Key Features</div> <div><div>HDMI</div><div>Coax</div></div>	Supports HDMI over one RG59 coax cable
	Up to 250 ft (76m) at 1080p resolution
	Up to 500 ft (152m) at 1080i/720p resolution
	Ideal for harsh electrical environments
	Cascadable on the TX and RX side

# HDMI Wireless Extender Kit

Part # 500780



For easy wireless signal transmission, MuxLab’s HDMI Wireless Extender Kit connects HDMI equipment up to 100 ft (30 m) @ 1080p in a point-to-point configuration. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and an IR Sensor for remote control applications.

<div>Key Features</div> <div><div>Wireless</div><div>HDMI</div></div>	HDMI 1.4
	Supports up to 1080p & 3D resolutions
	Up to 100 ft (30m) line of sight between the TX and RX
	HDMI Loop-out on transmitter
	Supports 1 way IR for remote control of end devices
	H.264 Video compression with less than 500ms latency

# HDMI Quick Reference Chart

## HDMI Extenders

SKU	Description	Single/ Dual CAT	Max Distance (@1080p)	Max Distance (@4K-UHD)	3D	HDBT	Power Req.	Control Pass Thru	LAN
500401	HDMI Extender Kit, 110-220V	Dual	150ft / 45m	✗	✓	✗	PoE (Tx to Rx)	✗	✗
500402	HDMI Passive Extender Kit	Dual	150ft / 45m	✗	✓	✗	PoE (Tx to Rx)	✗	✗
500404	HDMI / Bi-IR Extender Kit	Single	131ft / 40m	✗	✓	✗	2x PSU	2-way IR	✗
500450	HDMI Mono Extender Kit Plus	Single	330ft / 100m	230ft / 70m	✓	✓	2 x PSU	1-way IR	✗
500451	HDMI Mono Extender Kit	Single	230ft / 70m	131ft / 40m	✓	✓	2 x PSU	2-way IR	✗
500451-PoE	HDMI Mono Extender Kit	Single	230ft / 70m	131ft / 40m	✓	✓	PoE (Tx to Rx)	2-way IR	✗
500451-WP (US/UK)	HDMI Wall-Plate Extender Kit, HDBT Lite, 4K	Single	230ft / 70m	131ft / 40m	✓	✓	2 x PSU	2-way IR	✗
500451-WP- DEC	HDMI Mono Extender Kit	Single	230ft / 70m	131ft / 40m	✓	✓	2 x PSU	2-way IR	✗
500453	HDMI/LAN Extender Kit	Single	330ft / 100m	230ft / 70m	✓	✓	2 x PSU	2-way IR	2 x LAN
500454	HDMI/RS232 Extender Kit	Single	230ft / 70m	131ft / 40m	✓	✓	2 x PSU	RS232 2-way IR	✗
500454-PoE	HDMI/RS232 Extender Kit w/PoE	Single	230ft / 70m	131ft / 40m	✓	✓	PoE (Tx to Rx)	RS232 2-way IR	✗
500455-TX	HDMI – VGA/Audio Wall-Plate Transmitter, UHD-4K	Single	230ft / 70m	131ft / 40m	✓	✓	1x PSU	RS232 2-way IR	✗
500456	HDMI 5-Play Extender Kit	Single	330ft / 100m	230ft / 70m	✓	✓	2x PSU	RS232 2-way IR	1 x LAN
500457	HDMI / USB2.0 Extender Kit	Single	330ft / 100m	230ft / 70m	✓	✓	2x PSU	1 way IR & RS232	✗
500460	HDMI Fiber Extender Kit	Single Fiber	1,000ft / 305m	1,000ft / 305m	✓	✗	2x PSU	1 way IR & RS232	✗
500461	Mini HDMI Fiber UHD 4K Extender Kit	Single Fiber	1,000ft / 305m	1,000ft / 305m	✓	✗	2x PSU (via USB)	✗	✗
500465	HDMI over Coax Extender Kit	Single RG59	250ft / 76m	✗	✓	✗	2x PSU	✗	✗
500780	HDMI Wireless Extender Kit	Wireless	TBC	✗	✓	✗	2 x PSU	TBC	✗







# DVI, Extenders

## DVI/Audio Extender Kit

Part # 500390



The DVI/Audio Extender Kit (500390) allows one DVI channel and one line level stereo audio channel to be transmitted to 230ft (70m) at all resolutions up to 1080p via one Cat5e/6 cable in a point-to-point configuration. The DVI/Audio Extender may be paired with the USB2.0 4-Port Extender Kit (500072) to support KVM applications.




Key Features	
 DVI  HDBT  Audio   4K UHD-4K	HDBaseT technology
	Extends DVI and stereo audio via Cat5e/6 cable
	Up to 230 ft (70m) at all resolutions up to 1080p via one Cat5e/6
	Supports 4K @ 30Hz up to 115ft (35m) <i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>

## DVI / USB2.0 HDBaseT Extender Kit

Part # 500391



The DVI/USB2.0 HDBaseT Extender Kit is an ideal solution for KVM applications and allows one DVI channel and one USB2.0 channel to be transmitted over distances of up to 330ft (100m) at all resolutions up to 1920x1200 via single Cat5e/6 cable, 4K (3840x2160) to 230ft / 70m. The Receiver features a 4-port USB2.0 hub for transferring USB2.0 data to four USB devices, for KVM applications.



Key Features	
 DVI  USB 2.0  HDBT   4K60 ULTRA HD	Extend DVI and USB2.0 via single Cat5e/6 cable
	Up to 330 ft (100m) at all resolutions up to 1920x1200 via one Cat5e/6
	Up to 230ft (70m) for 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
	HDBaseT technology
	Supports HDMI 4K @ 30Hz (4:4:4)
	Supports HDMI 4K @ 60Hz (4:2:0)

# DVI Fiber Optic Extender Kit

Part # 500463



Extend DVI over one multimode fiber optic cable up to 3,280 feet (1km). The MuxLab DVI Fiber Optic Extender Kit lengthens your DVI display from your video source using a single strand of multimode fiber optic cable. Automatic EDID programming enables simple synchronization of the video source to the display.

<div>Key Features</div> <div><div>DVI</div><div>Fiber Optic</div></div>	Extends DVI devices up to 3,280 ft. (1km)
	Supports video resolutions up to 1080p and 1920 x 1200
	Uses single-strand multimode fiber optic cable
	Easy EDID programming enables simple synchronization
	Supports DDWG standard for DVI compliant monitors
	Video Amplifier Bandwidth: 165 MHz (single link)
	Input DDC Signal: 5 volts p-p (TTL)
	DVI Connector: Type DVI-D male
	Link Connector: SC Power Supply: 5V DC






# DisplayPort

## DisplayPort to HDMI Active Adapter

Part # 500501



The DisplayPort to HDMI Active Adapter (500501) allows a DisplayPort source such as a PC or Laptop to be connected to an existing HDMI display or projector.




Key Features	Converts DisplayPort to HDMI
	HDCP Compliant
	Supports up to 4K (3840x2160) @ 24, 25, and 30Hz
	Active device for improved compatibility
	No external power supply required
	Includes a pigtail for convenient connectivity in tight spaces

## DisplayPort 1.2a Fiber Extender Kit

Part # 500502



The DisplayPort 1.2a Fiber Extender Kit, 500502 enables the user to transmit WQUXGA (3840x2400) video at 60Hz signal up to 330ft (100m), with any form of scaling or data compression being applied to the signal. This device support a total data throughput of 21.6Gbps (5.4Gbps per lane).




Key Features	Extend DisplayPort connectivity via multi-mode fiber
	Supports the DisplayPort 1.2a standard
	Up to 330ft (100m) over 50/125m multi-mode fiber
	Supports WQUXGA (3840x2400) resolution @ 60Hz
	Bandwidth of 21.6Gbps
	Supports Dual-Mode DP (DP++)
	Supports auxiliary/I2C channel over fiber
	Compact Metal Enclosure for a robust and easy installation

# DisplayPort 1.2a 1x2 Splitter

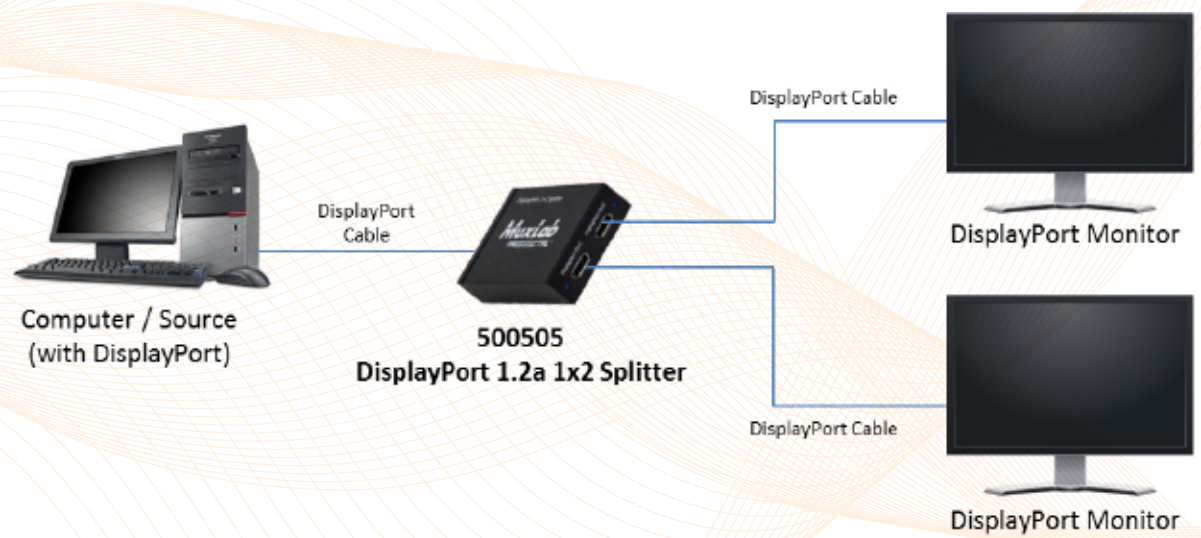
Part # 500505



The DisplayPort 1x2 Splitter (500505) allows one DisplayPort 1.2a source to be distributed to two (2) DisplayPort displays. The splitter supports video resolutions up to 4K and PCM Audio up to 7.1-Channel and up to 192 kHz sampling rate.

Key Features	
 HDMI	Distribute one DisplayPort 1.2a source to two displays
	Supports data rate of 5.4 Gbps per lane with a total of 21.6 Gbps link rate
	HDMI link rate: 3.2 Gbps/data pair
	Supports dual mode DisplayPort
	4K at 60Hz, 24 bits/pixel in DP 1.2a configuration
	1080p at 240Hz, 24 bits/pixel
 Display Port	
 4K UHD-4K	

## 500505 Typical Application





## HDMI / USB2.0 KVM over IP PoE Extender

Part # 500770



The KVM HDMI over IP PoE Extender allows HDMI & USB equipment to be connected over an Ethernet LAN, supporting up to 1080p resolution @ 60Hz. These PoE devices may be powered from a PoE Ethernet Switch. Each Transmitter (500770-TX) terminates to a server/workstation, and the Receiver (500770-RX) terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, etc. The Receiver can be switched via hotkey sequences to any Transmitter on the network to manage numerous servers/workstations, in a distributed KVM application.

### Key Features

- One operator can manage multiple servers/workstations
- Supports HDMI up to 1080p @ 60Hz, up to 330ft (100m)
- Receiver side includes a 4-port USB hub, for KVM applications
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports multiple point-to-point, and point-to-multipoint applications
- Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)

## DVI / USB 2.0 KVM over IP PoE Extender

Part # 500771



The KVM DVI over IP PoE Extender allows DVI & USB equipment to be connected over an Ethernet LAN, supporting up to 1920x1200 and 1080p resolution @ 60Hz. These PoE devices may be powered from a PoE Ethernet Switch. Each Transmitter (500770-TX) terminates to a server/workstation, and the Receiver (500770-RX) terminates to a DVI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, etc. The Receiver can be switched via hotkey sequences to any Transmitter on the network to manage numerous servers/workstations, in a distributed KVM application.

### Key Features

- One operator can manage multiple servers/workstations
- Supports DVI up to 1920x1200 and 1080p @ 60Hz, up to 330ft (100m)
- Receiver side includes a 4-port USB hub, for KVM applications
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports multiple point-to-point, and point-to-multipoint applications
- Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)



# HDMI/USB2.0 Extender Kit

Part # 500457



The HDMI/USB2.0 Extender Kit is an ideal solution for KVM applications. For a flexible video and control set-up, the HDMI / USB2.0 Extender Kit extends HDMI via Cat5e/6 cable up to 330ft (100m) at all resolutions up to 4K60. The Receiver features a 4-port USB2.0 hub for extending USB connected devices.

Key Features	Extends HDMI and USB 2.0 over Cat5e/6
HDMI	4-port USB 2.0 hub at Receiver, @ 250Mbps max
USB 2.0	Supports HDMI 4K @ 30Hz (4:4:4) up to 330ft (100m) over Cat5e/6
2 Way IR	Supports HDMI 4K @ 60Hz (4:2:0) up to 330ft (100m) over Cat5e/6
RS232	Supports RS232 and Bi-directional IR for remote control of end devices
HDBT	
4K60 ULTRA HD	

# DVI / USB2.0 HDBaseT Extender Kit

Part # 500391



The DVI/USB2.0 HDBaseT Extender Kit is an ideal solution for KVM applications and allows one DVI channel and one USB2.0 channel to be transmitted over distances of up to 330ft (100m) at all resolutions up to 1920x1200 via single Cat5e/6 cable, 4K (3840x2160) to 230ft / 70m. TThe Receiver features a 4-port USB2.0 hub for transferring USB2.0 data to four USB devices, for KVM applications.





Key Features	Extend DVI and USB2.0 via single Cat5e/6 cable
DVI	Up to 330 ft (100m) at all resolutions up to 1920x1200 via one Cat5e/6
USB 2.0	Up to 230ft (70m) for 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
HDBT	HDBaseT technology
4K60 ULTRA HD	Supports HDMI 4K @ 30Hz (4:4:4)
	Supports HDMI 4K @ 60Hz (4:2:0)

# DVI/Audio Extender Kit

Part # 500390



The DVI/Audio Extender Kit (500390) allows one DVI channel and one line level stereo audio channel to be transmitted to 230ft (70m) at all resolutions up to 1080p via one Cat5e/6 cable in a point-to-point configuration. The DVI/Audio Extender may be paired with the USB2.0 4-Port Extender Kit (500072) to support KVM applications.


Key Features	HDBaseT technology
 DVI	Extends DVI and stereo audio via Cat5e/6 cable
 HDBaseT	Up to 230 ft (70m) at all resolutions up to 1080p via one Cat5e/6
 Audio	Supports 4K @ 30Hz up to 115ft (35m)
 4K UHD-4K	<i>*4K resolution 3840 X 2160 @ 24, 25 &amp; 30 Hz.</i>

# USB 2.0 4-Port Extender Kit

Part # 500072



The USB 2.0 4-Port Extender Kit enables USB 2.0 connectivity over Cat5e/6 at data rates up to 480Mbps & extends true USB up to 328ft (100m) over single Cat5e/6 cable. This USB 2.0 4-Port Extender Kit is plug and play with major operating systems, and requires no additional software drivers.

Key Features	True plug and play, no driver installation required
 USB 2.0	Extends USB 2.0 high-speed and USB 1.1 (low-speed, full-speed) devices up to 100m (328ft) over Cat5e/6 cable
	Supports all USB device types: Control, Interrupt, Bulk and Isochronous at up to 480Mbps
	Compatible with major operating systems
	Aluminum enclosure, supporting wall mount

# USB 4-Port Extender Kit

Part # 500070



The USB 4-Port Extender Kit allows up to four (4) USB 1.1 full speed and low speed devices to be connected to a USB host via Cat5E/6 cable. The USB Extender supports up to 150ft (46m) in a point-to-point connection. The kit come with one (1) host side adapter, one (1) device side transceiver and one (1) power supply for devices requiring 500mA. The USB Extender Receiver may be installed in MuxLab rack, wall and surface mount accessories for neater installation.

# Audio Distribution Solutions

## Analog Audio Balun

Part # 500019



The Analog Audio Balun allows any unbalanced analog audio signal to be transmitted via a single unshielded twisted pair (UTP) cable for more versatile cabling. Used in pairs, the Audio Balun eliminates costly and bulky coax cable, allowing consumer and commercial audio equipment to be connected using standard premises wiring techniques. One or two pair of baluns is required depending on whether the application is for monaural or stereo audio. The Audio Balun features screw terminals and built-in cable strain relief for ease of installation and reliable connectivity.

<b>Key Features</b>	Eliminates coax cable
	Up to 5,000 ft (1,524m) via Cat5e/6
	Cable strain relief
	Compact design
	Lifetime warranty



## Digital Audio Balun

Part # 500020



The Digital Audio Balun allows a digital audio source to be connected up to 600 ft (183m) away from a digital audio decoder/amplifier via copper unshielded twisted pair (UTP). Used in pairs, the Digital Audio Balun allows a Digital Audio source such as a DVD, VCR or satellite receiver to be connected via copper twisted pair to a Digital Audio home theatre system in a point- to-point scenario. The Digital Audio Balun connects directly to the digital audio equipment and features screw terminals and built-in cable strain relief for ease of installation and reliable connectivity.

<b>Key Features</b>	Supports Dolby® Digital, dts® digital audio
	Up to 600 ft (183m) via Cat5e/6
	Cable strain relief
	Compact design
	Lifetime warranty





# MonoPro™ XLR

Part # 500025, 500026



The MonoPro™ XLR allows a standard AES analog or digital audio channel to be connected via Category 5 unshielded twisted pair cable (UTP) in the professional audio environment. The product features rugged cable strain relief and comes with locking XLR3 connectors for added cabling versatility. The 500025 and 500026 feature XLR3 plug and XLR3 receptacle respectively.



<div>Key Features</div> <div><div>Audio</div><div>Cat5e/6</div></div>	Cost efficient cabling via UTP
	Line analog audio up to 5,000 ft (1.5km) via Cat5e/6
	Locking XLR3 connector
	Rugged cable strain relief
	Digital audio up to 1,400 ft (426m) via Cat5
	Wires terminate inside product
	Optional wire terminal for ground/shield

# Stereo Audio Balun

Part # 500027



The Stereo Audio Balun allows unbalanced line level stereo analogue audio to be transmitted via Category 5 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where primarily midrange audio frequency response is required. Used in pairs, the Stereo Audio Balun eliminates costly and bulky coaxial cable, allowing audio equipment to be connected or moved within a structured cabling environment. The Stereo Audio Balun also works in conjunction with other MuxLab products such as the 500019, 500001, 500012, 500017 and 500200 for a more complete cabling solution.

<div>Key Features</div> <div><div>Audio</div><div>Cat5e/6</div></div>	Cost-efficient cabling
	Color-coded RCA cable leads
	Compact design
	Up to 5,000 ft (1.5km) via Cat5e/6
	Quicker moves, adds and changes

# Stereo Hi-Fi Balun

Part # 500028



The Stereo Hi-Fi Balun allows unbalanced line level stereo analogue audio to be transmitted via Category 5e/6 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where fullrange, hi-fidelity audio frequency response is required. Used in pairs, the Stereo Hi-Fi Balun eliminates costly and bulky coaxial cable, allowing audio equipment to be connected or moved within a structured cabling environment

Key Features	20 Hz to 20 KHz bandwidth
	Cost-efficient cabling
	Up to 3,250 ft (1km) via Cat5e/6 UTP
	Color-coded RCA cable leads
	Quicker moves, adds and changes

# Stereo PC / Audio Balun

Part # 500030



The MuxLab PC / Audio Balun (500030) allows an unbalanced line-level stereo audio signal to be transmitted via single Cat5e/6 cable in a point-to-point connection to distances of up to 5,000ft / 1.5km. The product is designed for audio equipment requiring a 3.5mm line-level stereo input / output such as PC soundcards, laptops, MP3 players and media speakers where the mid-range audio frequency response is paramount. Used in pairs, the PC Audio balun can also be used with the 500027 stereo audio balun to connect a 3.5mm interface to an RCA audio interface (or vice-versa).

Key Features	Cost-efficient cabling
	Up to 5,000 ft (1.5km) via Cat 5/6 UTP
	Built-in 3.5mm stereo plug lead
	Quicker moves, adds and changes
	Compact design



# Quad Audio Balun

## Quad Audio Wall Plate Balun, US/UK

Part # 500033, 500033-WP-US, 500033-WP-UK



The Quad Audio Balun allows up to four (4) analog line audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Audio Balun eliminates up to four (4) coaxial cables, allowing audio-video equipment to be connected via space-efficient and cost-effective Category 5 twisted pair cable. The Quad Audio Balun also works in conjunction with other MuxLab analog audio baluns such as the 500019.

<div> <div>Audio</div> <div>Cat5e/6</div> </div>	Key Features
	Cost-efficient cabling - save up to four (4) cables
	Compact design for neater wiring
	20Hz to 20Khz bandwidth
	Analog audio up to 3,250 ft (1km) via Cat5e/6
	Digital audio up to 1,400 ft (426m) via Cat5e/6
	Wires terminate inside product
	Optional wire terminal for ground/shield

# Digital Audio Extender

Part # 500086



The Digital Audio Extender allows one (1) source of digital audio signal: coax (S/PDIF) or optic (TOSLINK) to be connected to a receiver: coax or optic to up to 500 ft. (150m) in a pointto-point configuration. The Extender supports most standards to transmit two channels of uncompressed lossless PCM audio or compressed 5.1/7.1 surround sound, such as Dolby Digital Plus or DTS-HD High Resolution Audio (multichannel digital audio Dolby Digital® 5.1, DTS, and Dolby® True HD).

<div> <div>Audio</div> <div>Cat5e/6</div> </div>	Key Features
	Extend digital audio fiber optic link (TOSLink) or digital audio electrical link (Coax) to 500 ft (150m) over UTP cable
	Can be used to convert optical link (TOSLink) to electric link (Coax) or reverse
	Power only needed on one side as other side is powered by PoL

# Analog Stereo Audio Splitter 1x3

Part # 500044

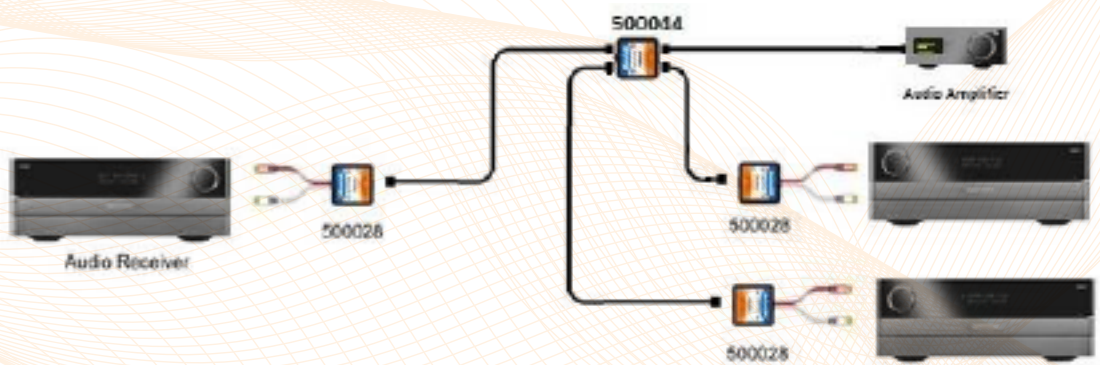


The Analog Stereo Audio Splitter allows one analog source using either the Muxlab analog audio balun (500028) or Muxlab Audio Matrix Switch (500210) to be connected passively to up to three receivers using Muxlab's Analog Audio Balun (500028) over CAT 5e/6 cabling.

Key Features	Cost-efficient cabling - save up to four (4) cables
	Compact design for neater wiring
	20Hz to 20Khz bandwidth
	Analog audio up to 3,250 ft (1km) via Cat5e/6
	Digital audio up to 1,400 ft (426m) via Cat5e/6
	Wires terminate inside product
	Optional wire terminal for ground/shield



## 500044 Typical Application




# Audio Conversion Solutions

## Digital Audio Converter, LPCM

Part # 500080



The Digital Audio Converter, LPCM converts one LPCM-encoded coaxial (S/PDIF) or optical (TOSLink) digital audio signal to a standard left/right analog audio output, thereby allowing a digital audio source such as a DVD or CD player without RCA analog audio output to be connected to an audio-video receiver or TV.



<div>Key Features</div> <div>Audio</div>	Converts 2-channel LPCM digital audio to left/right analog audio
	May be used with MuxLab mounting accessories
	Switch selects between TOSLink and S/PDIF inputs
	TOSLink cable included
	RCA cables not included

## Digital Audio Converter, Dolby® Digital

Part # 500081



The Digital Audio Converter, Dolby® Digital converts one Dolby Digital encoded coaxial (S/PDIF) or optical (TOSLink) digital audio signal to a standard left/right analog audio output, thereby allowing a digital audio source such as a DVD or CD player without RCA analog audio output to be connected to an audio-video receiver or TV.




<div>Key Features</div> <div>Audio </div>	Converts Dolby® Digital audio to left/right analog audio
	TOSlink cable included
	Switch selects between TOSLink and S/PDIF inputs
	May be used with MuxLab mounting accessories

# Digital Audio Converter, Dolby & DTS

Part # 500088



The Digital Audio Converter, Dolby & DTS converts one LPCM-encoded, one DTS Digital Surround or one Dolby Digital coaxial (S/PDIF) or optical (TOSLink) digital audio signal to a standard left/right analog audio output, thereby allowing a digital audio source such as a DVD or CD player without RCA analog audio output to be connected to an audio-video receiver or TV.


<div>Key Features</div> <div></div>	Down-mixes DTS surround, Dolby® Digital audio to left/right analog audio
	Switch selects between TOSLINK and Coax S/PDIF inputs
	TOSLINK cable included
	May be used with MuxLab mounting accessories

# Digital Audio Converter

Part # 500087



The Digital Audio Converter allows one (1) source of digital audio signal: coax (S/PDIF) or optic (TOSLINK) to be converted to an optic or a coax signal respectively. It supports most standards used to transmit two channels of uncompressed lossless PCM audio or compressed 5.1/7.1 surround sound such as Dolby Digital Plus or DTS-HD High Resolution Audio (multichannel digital audio Dolby Digital® 5.1, DTS, and Dolby® True HD).

<div>Key Features</div> <div></div>	Convert TOSLINK fiber optic digital audio signal to COAX
	Convert COAX digital audio signal to fiber optic TOSLINK

# Multi-Room Audio Integration

## 8x8 Cat5e/6 Line Level Audio Matrix Switch

Part # 500210

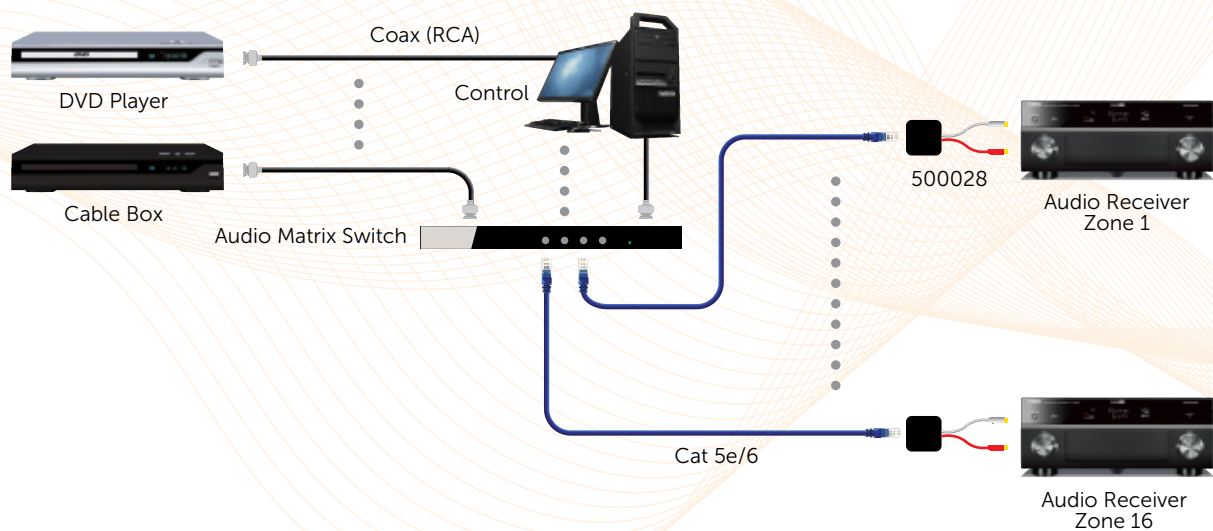


The 8x8 Cat5e/6 Line Level Audio Matrix Switch supports audio switching between multiple audio sources and distribution via Cat5e/6 cable. The Cat5e/6 Line Level Audio Matrix Switch provides full non-blocking port switching and distribution between multiple stereo line level analog audio sources. The Audio Matrix Switch uses RJ45 connectors and works in conjunction with MuxLab's stereo audio balun (500019, 500027, 500028 and 500030) and digital audio balun (500020). The product provides port buffering, unity gain compensation and ground loop isolation. The Switch can be managed via push-button, IR, RS232, Ethernet, Web Server, or 3rd party software.

Key Features	Compatible with MuxLab's stereo audio balun (500019, 500027, 500028 and 500030)
	Compatible with MuxLab's digital audio balun (500020)
	RCA audio jack for input, RJ45 jack for output to preserve investment in structured cabling system
	Port buffering
	Volume control
	Non-blocking switching and distribution
	Ground loop isolation
	Management via push-button, IR, RS232, Ethernet, Web Server, or 3rd party software



### 500210 Typical Application





# Analog Audio Balun Amplifier

Part # 500219



The Analog Audio Balun Amplifier allows one (1) analog source using the Muxlab Audio Balun (500028) or Muxlab Audio Matrix Switch (500210) to feed a 30W/channel stereo amplifier using UTP Cat5e/6 cables.

<b>Key Features</b>	RJ45 jack for input and speaker contacts for output
	30W per channel
	Compatible with MuxLab stereo audio baluns and audio matrix switch
	Volume control, Ground loop isolation
	Front display: volume and input level indication



# Audio Zone Amplifier

Part # 500216



Description: The MuxLab Audio Zone Amplifier is a Class D digital amplifier that allows one (1) analog source to feed a pair of 20W per channel stereo speakers. The Audio Zone Amplifier features two (2) stereo analog audio lines & 1 MIC inputs, and two (2) 20W, 4-ohm speaker outputs or one (1) 40W, 8-ohm speaker output.

<b>Key Features</b>	Two Analog Stereo Audio Inputs and one MIC input
	20W per channel into 4-ohm
	Cascadable to further amplifiers
	Compatible with MuxLab Hi-Fi Audio Baluns and Audio Matrix Switch
	Volume control, Ground loop isolation
	Controllable via pushbuttons, RS232 and optional IR



# IR Sensor & Handheld Remote Control Kit

Part # 500216-IR



The 500216-IR kit includes an IR sensor and a handheld remote control unit, allowing the 500216 Audio Zone Amplifier to be remotely managed.

<b>Key Features</b>	Controls the 500216 Audio Zone Amplifier
	Mic & Line volume, bass and treble, including mute/unmute
	NEC code
	Carrier Frequency: 38KHz

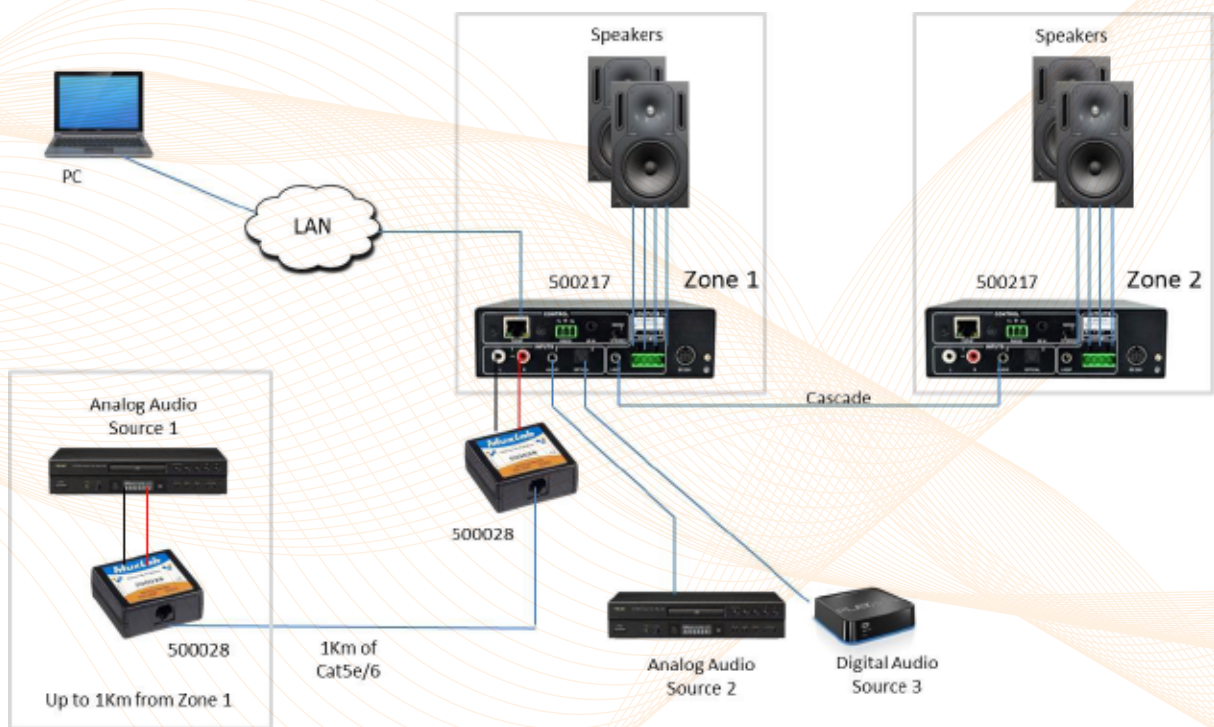




The MuxLab Audio Zone Amplifier 100W is a Class D amplifier which allows analog or digital sources to feed a pair of 50W per channel speakers. When set in Bridge mode and paired with the MuxLab 70V Transformer unit (500755-70V), the system is compatible with distributed 70V speaker systems over longer distances and supporting daisy chain configurations. The device may be controlled locally via pushbuttons and a knob, and remotely via RS232, IR and an IP webserver interface. The Audio Zone Amplifier features two analog 2CH audio inputs (RCA & 3.5mm) & one (1) PCM digital optical input (TosLink), along with two 50W 8Ω speaker outputs or one 100W 4Ω speaker output (terminal block).

Key Features	Two analog 2CH audio Inputs and one digital optical input
	Supports 2x50 Watts into 8Ω, and 1x100 Watts (Bridge mode) into 4Ω
	Cascadable allowing for chaining amplifiers
	Compatible with MuxLab Hi-Fi Audio Baluns and Audio Matrix Switch (500210)
	Compatible with MuxLab 70V transformer (500755-70V) to allow for longer distance connections and chaining of 70V speaker systems
	Volume, Bass and Treble control, with mute
	Controllable via pushbuttons, RS232, IR and IP webserver interface

## 500217 Typical Application



## Pro AV



Part # 500017-Pro

**S-Video/Analog Audio ProAV Balun**



Part # 500045, 500046, 500047

**PS/2 Keyboard/Mouse Converter**



Part # 500052-Pro-RCA

**Component Video/Analog Audio ProAV Balun, RCA**



Part # 500052-Pro-BNC

**Component Video/Analog Audio ProAV Balun, BNC**



Part # 500056-Pro

**Component/Composite Video Audio ProAV Balun**

## VGA Distribution



Part # 500040, 500041, 500042, 500043, 500040-42-PK

**VGA Balun II / VGA Balun II Kit (500040 + 500042)**



Part # 500041-WP-US, 500041-WP-UK

**VGA Balun II Wall Balun, Monitor Side, US/UK**



Part # 500043-WP-US, 500043-WP-UK

**VGA Balun II Wall Balun, PC Side, US/UK**



Part # 500140 [Kit] 500141 [Tx], 500142 [Rx], 500144 [PSU 12VDC]

**Active VGA Balun II Kit**

## VGA Distribution



Part # 500145 [Kit], 500146 [Tx], 500147 [Rx]

**Active VGA/Audio Balun Kit**



Part # 500150, 500151 (Eur)

**VGA 1x4 Hub**

## VGA Digital Signage



Part # 500170

**Active VGA Managed Dispatcher 8P**



Part # 500171

**Active VGA Managed Dispatcher 16P**



Part # 500172

**Active VGA Managed Repeater 8P**



Part # 500174

**Active VGA Managed Rec., Dual Head**

## USB, PS2 & IR Distribution



Part # 500070

**USB 4-Port Extender Kit**



Part # 500072

**USB 2.0 4-Port Extender Kit**



Part # 500600

**IR Remote Extender Kit**



Part # 500045, 500046, 500047

**PS/2 Keyboard/Mouse Converter**

# Component Video



Part # 500002

**RGB Video Balun**



Part # 500021

**Component Video Balun**



Part # 500050, 500050-2PK , 500051

**Component Video/Digital Audio Balun**



Part # 500052, 500052-2PK, 500053

**Component Video/Analog Audio Balun**



Part # 500054, 500054-2PK, 500055

**Component Video/IR Pass-Thru Balun**



Part # 500056, 500057

**Component/Composite Video Balun**



Part # 500058, 500058-2PK

**Component Video/Stereo Audio Balun**



Part # 500058-WP-US, 500058-WP-UK

**Component Video/Stereo Audio Wall Balun, US/UK**



Part # 500090

**Active Component Video Balun Kit**



Part # 500250, 500251

**Component Video Hub 8 Ports**



Part # 500252, 500253

**Component Video Hub 16 Ports**



## RF & CATV Distribution



Part # 500302, 500302-2PK

### CATV Balun II



Part # 500306, 500306-2PK

### Shielded CATV Balun



Part # 500300 [8P-110v],  
500301 [8P-220-240v]

### CATV 8 Port Hub



Part # 500303 [16P-110v],  
500304 [16P-220-240v]

### CATV 16 Port Hub

## Composite, S-Video & SCART Distribution



Part # 500001

### Stereo Audio-Video Balun



Part # 500012

### Dual Audio-Video Balun



Part # 500039, 500039-2PK

### Stereo Hi-Fi Video Balun



Part # 500039-GLI

### Stereo Hi-Fi Video GLI Balun



Part # 500048, 500049

### Stereo AV/IR Pass-Thru Balun



Part # 500049-WP-US, 500049-WP-UK

### Stereo A/V/IR Pass-Thru Wall Balun, US/UK

# Composite, S-Video & SCART Distribution *(continued)*



Part # 500200, 500201

**Audio-Video Distribution Hub**



Part # 500016

**S-Video Balun**



Part # 500017

**S-Video/Audio Balun**



Part # 500038-WP-US, 500038-WP-UK

**S-Video Hi-Fi Wall Balun, US/UK**

## Accessories



Part # 500900

**Rackmount Balun Chassis 16**



Part # 500902

**Rackmount Balun Chassis 6**



Part # 500905

**3 Port Rackmount Transceiver Chassis**



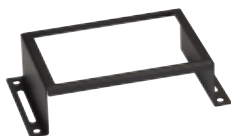
Part # 500910

**Surface Mount Balun Plate**



Part # 500915

**Wall Mount Balun Fixture**



Part # 500916

**Surface Mount Transceiver Plate**



Part # 500917

**Wall Mount Transceiver Bracket Kit**

## Accessories *(continued)*



Part # 500919

**Face Plate for HDMI – VGA/Audio  
Wall-Plate Transmitter**



Part # 500920

**16 Port Rackmount Transceiver Chassis**



Part # 500921

**Blank Filler Plates (4) for 500920**



Part # 500922

**Spare Brackets (4) for 500920**



Part # 500990

**IR Emitter, 1.6M**



Part # 500991

**IR Sensor Carrier Wave 5VDC, 1.6M**



Part # 500992

**Univ. Power Supply 5VDC/1.2A  
US/UK/EU Blade**



Part # 500993

**Univ. Locking Power Supply 5VDC/2.6A  
US/UK/EU Blade**



Part # 500994

**IR Sensor Carrier Wave 12VDC, 1M**



Part # 500998

**IR Emitter**



Part # 500999

**IR Sensor**

# A/V PART NUMBER Reference Guide

Part #	Description
500001	Stereo Audio-Video Balun
500002	RGB Video Balun
500010	VGA Balun DB15 PC-Side
500010-14-Pk	VGA Balun DB15 PC-Side + VGA Balun DB15M Monitor Side (Kit)
500011	VGA Balun DB15F Monitor Side
500012	Dual Audio-Video Balun
500013	Dual S-Video Balun
500016	S-Video-Only Balun
500017	S-Video-Audio Balun
500017-Pro	S-Video-Audio ProAV Balun
500018	S-Video-Audio GLI Balun
500019	Analog Audio Balun
500020	Digital Audio Balun
500021	Component Video Balun
500025	Monopro XLR, M
500026	Monopro XLR, F
500027	Stereo Audio Balun
500028	Stereo Hi-Fi Balun
500028-2Pk	Stereo Hi-Fi Balun (2 Pack)
500028-F	Stereo Hi-Fi Balun, F
500028-F-2PK	Stereo Hi-Fi Balun, F (2 Pack)
500028-WP-US	Stereo Hi-Fi Wall Balun, US
500028-WP-UK	Stereo Hi-Fi Wall Balun, UK
500030	Stereo PC-Audio Balun
500032	Quad Video Balun, RCA
500033	Quad Audio Balun
500033-WP-US	Quad Audio Wall Balun, US
500033-WP-UK	Quad Audio Wall Balun, UK
500035	Active VGA Balun Kit, 110V
500036	Active VGA Balun Kit, 220-240V
500037	Quad Audio Balun, BNC
500038	S-Video/Hifi Balun, F
500038-WP-US	S-Video/Hi-Fi Wall Balun, US
500038-WP-UK	S-Video/Hi-Fi Wall Balun, UK
500039	Stereo Hi-Fi Video Balun
500039-2Pk	Stereo Hi-Fi Video Balun (2 Pack)
500039-GLI	Stereo Hi-Fi/Video GLI Balun
500040	VGA Balun II DB15M PC-Side
500040-42-Pk	VGA Balun II DB15M PC-Side + VGA Balun II DB15M Monitor Side (Kit)
500041	VGA Balun II DB15F Monitor Side
500041-WP-US	VGA Wall Balun II, US Monitor Side
500041-WP-UK	VGA Wall Balun II, UK Monitor Side
500042	VGA Balun II DB15M Monitor Side
500043	VGA Balun II DB15F PC Side
500043-WP-US	VGA Wall Balun II, US PC Side
500043-WP-UK	VGA Wall Balun II, UK PC Side
500044	Analog Stereo Audio Splitter 1x3
500045	PS/2 Converter – Keyboard/Mouse Side
500046	PS/2 Converter – PC Side
500047	PS/2 Converter Kit
500048	Stereo Av/IR Pass-Thru Balun, M

Part #	Description
500049	Stereo Av/IR Pass-Thru Balun, F
500049-WP-US	Stereo Av/IR Pass-Thru Wall Balun, US
500049-WP-UK	Stereo Av/IR Pass-Thru Wall Balun, UK
500050	Component Video/Digital Audio Balun
500050-2Pk	Component Video/Digital Audio Balun (2 Pack)
500051	Component Video/Digital Audio Balun, F
500052	Component Video/Analog Audio Balun, M
500052-2Pk	Component Video/Analog Audio Balun, M (2 Pack)
500052-Pro-BNC	Component Video/Analog Audio ProAV Balun, BNC
500052-Pro-RCA	Component Video/Analog Audio ProAV Balun, RCA
500053	Component Video/Analog Audio Balun, F
500053-WP-US	Component Video/Analog Audio Wall Plate Balun, US
500053-WP-UK	Component Video/Analog Audio Wall Plate Balun, UK
500054	Component Video/IR Pass-Thru, M
500054-2Pk	Component Video/IR Pass-Thru, M (2 Pack)
500055	Component Video/IR Pass-Thru, F
500056	Component-Composite Video Balun, M
500056-Pro	Component-Composite Video ProAV Balun
500057	Component-Composite Video Balun, F
500058	Component Video/Stereo Audio Balun, M
500058-2Pk	Component Video/Stereo Audio Balun, M (2 Pack)
500060	Scart/Peritel Balun - Transmit
500061	Scart/Peritel Balun - Receive
500080	Digital Audio Converter, LPCM
500081	Digital Audio Converter, 5.1 Channel
500086	Digital Audio Extender
500088	Digital Audio Converter, Dolby & DTS
500087	Digital Audio Converter
500090	Active Component Video Balun Kit
500140	Active VGA Balun II Kit (1 Tx + 1Rx)
500141	Active VGA Balun II, Tx, No Power
500142	Active VGA Balun II, Rx, No Power
500144	Power Supply for Active VGA Balun II
500145	Active VGA/Audio Balun Kit (1 Tx + 1Rx)
500146	Active VGA/Audio Balun, Tx, Incl PSU
500147	Active VGA/Audio Balun, Rx, Incl PSU
500150	VGA Distribution Hub, 4P, 110V
500151	VGA Distribution Hub, 4P, 220-240V
500160	VGA 4x1 Switcher, 110V
500161	VGA 4x1 Switcher, 220-240V
500170	Active VGA Managed Dispatcher 8P
500171	Active VGA Managed Dispatcher 16P
500172	Active VGA Managed Repeater 8P
500174	Active VGA Managed Receiver, Dual Head
500200	Audio-Video Hub, 110V (N.Am)
500201	Audio-Video Hub, 220-240V (Eur)
500210	8x8 Cat5e/6 Line Level Audio Matrix Switch
500216	Audio Zone Amplifier, 2x20W
500216-R	IR Sensor & Handheld Remote Control Kit
500217	Audio Zone Amplifier 100W
500219	Analog Audio Balun Amplifier
500250	Component Video Hub - 8 Ports, 110V
500251	Component Video Hub - 8 Ports, 220-240V
500252	Component Video Hub - 16 Ports, 110V
500253	Component Video Hub - 16 Ports, 220-240V
500302	CATV Balun II
500302-2Pk	CATV Balun II (2 Pack)
500303	CATV Distribution Hub, 16 Ports, 110V
500304	CATV Distribution Hub, 16 Ports, 220-240V

Part #	Description	Part #	Description
500306	Shielded CATV Balun	500481-I	4 Channel HDMI/RS232 Input Card, UHD-4K
500306-2Pk	Shielded CATV Balun (2 Pack)	500481-O	4 Channel HDMI/RS232 Output Card, UHD-4K
500390	DVI/Audio Extender Kit	500482-I	4 Channel HDBT/LAN Input Card, UHD-4K
500391	DVI/USB 2.0 Extender Kit	500482-O	4 Channel HDBT/LAN Output Card, UHD-4K
500401	HDMI Extender Kit, 110-220V	500483-I	4 Channel HDBT Input Card, PoE, UHD-4K
500401-WP-US	HDMI Wall-Plate Extender Kit, US	500483-O	4 Channel HDBT Output Card, PoE, UHD-4K
500401-WP-UK	HDMI Wall-Plate Extender Kit, UK	500501	DisplayPort to HDMI Active Adapter
500402	HDMI Passive Extender Kit	500502	DisplayPort 4K60 over Fiber
500404	HDMI/Bi-IR Extender Kit	500505	1x2 DisplayPort Splitter
500416-PoE	HDMI 4x4 Matrix Switch, HDBT	500600	IR Remote Extender Kit, 110-220V
500416-PoE-Kit	HDMI 4x4 Matrix Kit, HDBT, PoE	500752	HDMI Over IP Extender Kit With PoE
500418-PoE	HDMI 4x8 Matrix Switch, HDBT	500752-Tx	HDMI over IP Transmitter, PoE
500419	HDMI 4x8 Matrix Switch, 4 HDMI + 4 HDBT, PoE	500752-Rx	HDMI/RS232 over IP Receiver, PoE
500420	HDMI 1x4 Distribution Hub Over UTP	500753	HDMI/RS232 over IP Extender Kit, PoE
500421	HDMI 1x4 Splitter, UHD-4K	500753-Tx	HDMI/RS232 over IP Transmitter, PoE
500422	HDMI 1x8 Splitter, UHD-4K	500753-Rx	HDMI/RS232 over IP Receiver, PoE
500423	HDMI 1x2 Splitter, UHD-4K	500754	Video Wall over IP Extender Kit, PoE
500424	HDMI / HDBT 1x4 Spitter	500754-Tx	Video Wall over IP Transmitter, PoE
500425	4K60 HDMI 1x2 Splitter	500754-Rx	Video Wall over IP Receiver, PoE
500426	4K60 HDMI 1x4 Splitter	500755	Audio/RS232 over IP PoE Extender
500427	4K60 HDMI 1x8 Splitter	500755-AMP	Audio / AMP over IP PoE Extender with Mic
500430	HDMI 4x1 Switcher With Audio Extraction, UHD-4K	500755-AMP-TX	Audio / AMP over IP PoE Extender with Mic - Transmitter
500431	HDMI to HDMI With Audio Extraction, UHD-4K	500755-AMP-RX	Audio / AMP over IP PoE Extender with Mic - Receiver
500433	HDMI Video Scaler, UHD-4K	500755-70V	Transformer for 500755-AMP
500435	5x1 HDMI / HDBT Multimedia Presentation Switch	500756	3G-SDI over IP Extender Kit, PoE
500440	HDMI 4x4 Matrix Switch UHD-4K	500756-Tx	3G-SDI over IP Transmitter, PoE
500441	HDMI 8x8 Matrix Switch UHD-4K	500756-Rx	3G-SDI over IP Receiver, PoE
500442	HDMI 4x2 Matrix Switch UHD-4K	500757	HDMI over IP H.264 Extender Kit, PoE
500450	HDMI Mono Extender Kit Plus, HDBT, UHD-4K	500757-Tx	HDMI over IP H.264 Transmitter, PoE
500451	HDMI Mono Extender Kit, HDBT, UHD-4K	500757-Rx	HDMI over IP H.264 Receiver, PoE
500451-Rx	HDMI Mono Receiver, UHD-4K	500758	HDMI 4K over IP with Video Wall Extender Kit, PoE
500451-PoE	HDMI Mono Extender Kit, PoE	500758-Tx	HDMI 4K over IP with Video Wall Transmitter, PoE
500451-PoE-Rx	HDMI Mono Receiver, PoE	500758-Rx	HDMI 4K over IP with Video Wall Receiver, PoE
500451-WP-Kit	HDMI Wall-Plate Extender Kit, Transmitter, Receiver, 4K	500759	Video Wall 4K over IP PoE Extender
500451-WP-Tx	HDMI Wall-Plate Extender Transmitter, 4K	500759-TX	Video Wall 4K over IP PoE - Transmitter
500451-WP-Rx	HDMI Wall-Plate Extender Receiver, 4K	500759-RX	Video Wall 4K over IP PoE - Receiver
500453	HDMI/LAN Mono Extender Kit, HDBT, UHD-4K	500760	Video Wall 4K60 over IP Uncompressed Extender
500454	HDMI/RS232 Extender Kit, HDBT, UHD-4K	500760-TX	Video Wall 4K60 over IP Uncompressed - Transmitter
500454-Rx	HDMI/RS232 Receiver, UHD-4K	500760-RX	Video Wall 4K60 over IP Uncompressed - Receiver
500454-PoE	HDMI/RS232 Extender Kit With PoE, HDBT, UHD-4K	500770	HDMI / USB2.0 KVM over IP PoE Extender
500454-PoE-Rx	HDMI/RS232 Receiver With PoE, UHD-4K	500770-TX	HDMI / USB2.0 KVM over IP PoE - Transmitter
500455-Tx	HDMI – VGA/Audio Wall-Plate Transmitter, UHD-4K	500770-RX	HDMI / USB2.0 KVM over IP PoE - Receiver
500456	HDMI 4-Play Extender Kit	500771	DVI / USB2.0 KVM over IP PoE Extender
500457	HDMI/USB2.0 Extender Kit	500771-TX	DVI / USB2.0 KVM over IP PoE - Transmitter
500460	HDMI 4K Fiber Extender Kit	500770-RX	DVI / USB2.0 KVM over IP PoE - Receiver
500461	Mini HDMI Fiber 4K Extender Kit	500780	HDMI Wireless Extender Kit
500462	HDMI Optical Isolator Kit	500811	Pro Digital Network Controller
500463	DVI/Audio Fiber Extender Kit	500816	8 Button RS232/IR Control Panel
500465	HDMI-Over-Coax Extender Kit	500900	Rackmount Balun Chassis 16
500465-Rx	HDMI-Over-Coax Receiver	500902	Rackmount Balun Chassis 6
500466	HDMI to VGA Converter	500905	3 Port Rackmount Transceiver Chassis
500468-PoE	HDMI 8x8 Matrix Switch, 4 HDMI + 4 HDBT, PoE	500910	Surface Mount Balun Plate
500469-PoE	HDMI 8x8 Matrix Switch, HDBT	500915	Wall Mount Balun Fixture
500470	Multimedia 16X16 Matrix Switch	500916	Surface Mount Transceiver Plate
500471	4 Channel HDMI Input Card	500917	Wall Mount Transceiver Bracket Kit
500471-SA	4 Channel HDMI Input Card With Stereo Audio Output	500919	Surface Mount Transceiver Plate
500472	4 Channel DVI Input Card	500920	16 Port Rackmount Transceiver Chassis
500473	4 Channel 3G SDI Input Card	500921	Blank Filler Plates (4) for 500920
500474	4 Channel VGA Input Card	500922	Spare Brackets (4) for 500920
500475	4 Channel HDMI Output Card	500990	IR Emitter, 1.6M
500475-SA	4 Channel HDMI Output Card With Stereo Audio Output	500991	IR Sensor Carrier Wave 5VDC, 1.6M
500476	4 Channel HDBase-T Output Card	500992	Univ. Power Supply 5VDC/1.2A US/UK/EU Blade
500477	4 Channel Fiber Output Card	500993	Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade
500478	Replacement Power Supply Module for 500470	500994	IR Sensor Carrier Wave 12VDC, 1M
500479	2 Channel Fiber Output Card	500998	IR Emitter
500480	Multimedia Matrix 16x16 HDMI 2.0 4K	500999	IR Sensor





# Meet our Extended **AV over IP** Family

Audio

3G  
SDI

HDCP  
2.2

HDMI  
2.0

4K60  
ULTRA HD

4K UHD  
COMPATIBLE



Wide product range to suit any installation

**HDMI 4K | VIDEO WALL | 3G SDI | AUDIO | KVM**

MuxLab is proud to partner with the following third party software control systems:

Control4

RTI

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Control the Experience

DEMO PAD

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