



AV over IP Solutions



MuxLab

EMPOWER YOUR AV INFRASTRUCTURES WITH MUXLAB AV OVER IP INNOVATIONS.

Imagine the ability to access and control any AV system from anywhere. Flexible installations that deliver spectacular image quality with lightning-swift results. Unprecedented levels of control through third party experts and MuxLab's ultra-intuitive MuxLab Control App. Imagine all of MuxLab's high performance offerings working behind the scenes to enable remote system management. Together, nothing can stop us from realizing your vision.

ADVANTAGES OF AV OVER IP.

Put simply, AV over IP is the delivery of AV signals over a standard Ethernet network including 4K/60 video, audio, peripherals and control signals.

Because it is so versatile, AV over IP is quickly becoming the industry-standard for installations in both commercial and residential markets. Its flexibility allows integrators to expand systems on a port-by-port basis, with system size limited only by the network bandwidth. Virtual infrastructure can be created and rearranged with signal delivery assigned to direct point-to-point, point-to-multipoint and multipoint-to-multipoint applications.

There are virtually no distance limitations, making it convenient and cost-effective to distribute AV and other signals around the world. Visually lossless video resolutions and ultra-low latency levels only improve performance. Integrators

can utilize existing network infrastructures, pay for additional ports as they build and eliminate extension cabling. All this makes for a cost-effective and highly flexible installation environment.

Plus, the entire system can be centrally managed by the use of the MuxLab ProDigital Network Controller, which manages all MuxLab products on an Ethernet network. It scans the LAN for connected MuxLab products and lets users configure and control these products through a web interface.

Users can also remotely manage the entire system from any smartphone or tablet when using the MuxLab Control App and any of the various third party control systems that have partnered with MuxLab to provide these industry-leading options.

MuxLab
PRODIGITAL



**REMOTE
MANAGEMENT**



**EASE OF
INSTALLATION**



**VIDEO WALL
SUPPORT**



**LOW LATENCY
SOLUTIONS
WITH 4K/60
ABILITY**



MULTIVIEW



**DIGITAL
SIGNAGE**

AV over IP. Anywhere. Everywhere.

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ProDigital Network Controller + MuxControl

The Brain Behind the MuxLab AV over IP System

Part# 500812



MuxControl

MuxLab Control is a software control application designed to manage MuxLab AV over IP devices via Android and Apple smartphones and tablets. MuxLab Control supports an intuitive easy to operate GUI that simplifies management of any size AV over IP installation, be they small residential or large commercial applications. The system allows operators to centrally manage many locations with quick and easy access to any site, supporting floor plan layouts, room layouts, and color coded indicators for connected source and display equipment for easy identification, allowing for intuitive connectivity management at the touch of a finger. Managing large AV over IP based matrices and video walls, is a breeze.

MuxLab Control has been designed to be exceptionally easy to configure and operate. The application is interoperable with the MuxLab ProDigital Network Controller (500812) to manage the entire MuxLab AV over IP product family.

MuxControl supports a Virtual Hand Held Remote Control to be able to

The MuxLab ProDigital 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 will scan the LAN for connected MuxLab AV over IP products allowing the user to auto-discover, configure and control the connectivity of these products through an Ethernet Web interface. The Controller may also be managed by MuxLab's MuxControl App and the 500816-IP 8 Button IP PoE Control Panel. The unit may also be used to manage firmware upgrades of connected MuxLab devices.

Key Features

Centralized management of MuxLab AV over IP products at the touch of a finger

Supports an intuitive GUI for exceptionally easy connectivity management

Supports matrix and video wall configurations

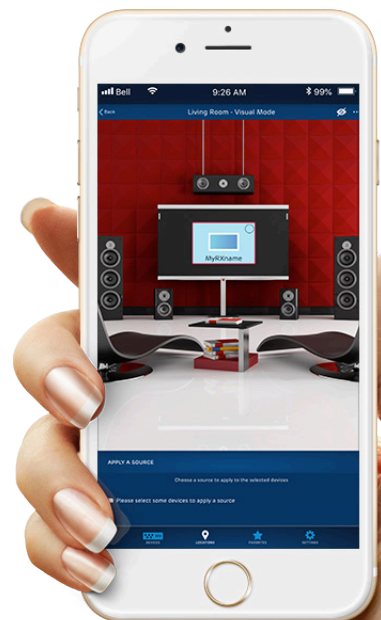
Manage multiple sites via graphical floor plans

Operates on Android and Apple iOS Smartphones and Tablets

Supports graphic color coded source and display equipment

Supports connectivity presets for often used connections

Secure password protected system



The MuxLab AV over IP product line also works with Industry Leader Drivers



Control4



LEADING THE WAY IN “OVER IP”

COMPREHENSIVE PRODUCT LINE

MuxLab offers not just one or two, but many AV over IP solutions ensuring that integrators will always have the ideal solution for the application. For example, because MuxLab supports multiple popular signal compression methods and signal resolutions, we can tailor the product mix to the specific application for optimal performance, cost and customer satisfaction. Whether the application calls for extremely low latency (such as live event signal distribution) or low bandwidth optimization (for streaming over the Internet), MuxLab has a proven solution to fit the specific project.

EASE OF INSTALLATION

You don't need to be an IT expert to install MuxLab's AV over IP systems. MuxLab's exclusive ProDigital Network Controller provides device auto discovery and a simple to use web interface for centralized system configuration, connectivity management/control, device firmware updates, and offers a common Application Program Interface (API) for third party software tablet and smartphone applications.

INTEGRATION

MuxLab understands the professional integrator's unique demands. MuxLab has partnered with many leading control system manufacturers to ensure comprehensive third party integration with our entire AV over IP product line.

VALUE

MuxLab is a proven leader in AV over IP technology, investing heavily not only in current technology, but also bleeding-edge technologies on the horizon. When you partner with MuxLab you can be confident that we will be there with innovation and support throughout the long haul.



HDMI 2.0 over IP PoE Extender, 4K/60

Part# 500779



AV over IP 4K/60 Uncompressed Extender, UTP

Part# 500760-TX, 500760-RX



AV over IP 4K/60 Uncompressed TX / RX, Fiber

Part# 500761-TX, 500761-RX



HDMI over IP Uncompressed Extender, 4K/60

Part# 500768-TX, UTP, Fiber
500768-RX, UTP, Fiber,



HDMI over IP H.264/H.265 PoE Extender

Part# 500762-TX, 500762-RX,



HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

Part# 500763-TX



HDMI 2.0 over IP H.264/H.265 PoE Transmitter, 4K/60

Part# 500764-TX



HDMI 4K over IP PoE Extender

Part# 500759-TX, 500759-RX



DomoStream

Part# 500778-TX, 500778-RX



HDMI/USB over IP PoE Wall Plate Transmitter, UHD-4K

Part# 500777-TX-DECO, 500777-TX, 500777-TX-WH



HDMI/USB over IP PoE Wall Plate Receiver, UHD-4K

Part# 500777-RX-WH



HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K

Part# 500773-TX, 500773-TX-WH



HDMI over IP PoE Extender, HD

Part# 500754-TX, 500754-RX



HDMI over IP Extender with PoE Kit

Part# 500752-RX, 500752-TX



Audio / RS232 over IP PoE Transceiver

Part# 500755



Audio/AMP over IP Extender Kit, with Mic & AMP 50W/CH

Part# 500755-AMP-TX, 500755-AMP-RX



70V Transformer for the 500755-AMP

Part# 500755-70V

DANTE / KVM



DANTE/Quad Channel Audio PoE Gateway

Part# 500765



HDMI/DANTE over IP PoE Transmitter, UHD-4K

Part# 500759-TX-DANTE



HDMI 4K/60 KVM OVER IP EXTENDER

Part# 500760-RX-KVM, 500760-TX-KVM



HDMI / USB2.0 KVM over IP PoE Extender

Part# 500770-TX, 500770-RX



DVI / USB 2.0 KVM over IP PoE Extender

Part# 500771-TX, 500771-RX

BROADCAST



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

Part# 500756-TX, 500756-RX



3G-SDI/ST2110 over IP Uncompressed Gateway Converter

Part# 500767-TX-MM, 500767-RX-MM,
500767-RX-UTP, 500767-TX-UTP



HDMI 2.0/ST2110 over IP Uncompressed Gateway Converter

Part# 500774-TX-MM, 500774-RX-MM



12G-SDI/ST2110 over IP Uncompressed

Part# 500775-RX, 500775-TX

IP CONTROL PANEL



8 Button IP PoE Control Panel

Part# 500816-IP

The 8 Button IP PoE Control Panel (Model: 500816-IP) is a versatile wall or table-top mounted control panel for MuxLab AV over IP devices, select Matrix Switches, and third party products. Each button is programmable. The unit supports one (1) Ethernet port (for TCP/IP and Telnet), two (2) RS-232 ports, one (1) Infrared port, and two (2) Relay ports, for control of end devices. The 8 Button IP PoE Control Panel can control MuxLab products including MuxLab's AV over IP system via the 500812 ProDigital Network Controller, MuxLab's TCP/IP, Telnet and RS-232 managed Matrix Switches, 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

Control end devices via TCP/IP, Telnet, RS232, IR & Relay

Programmable via Web Interface

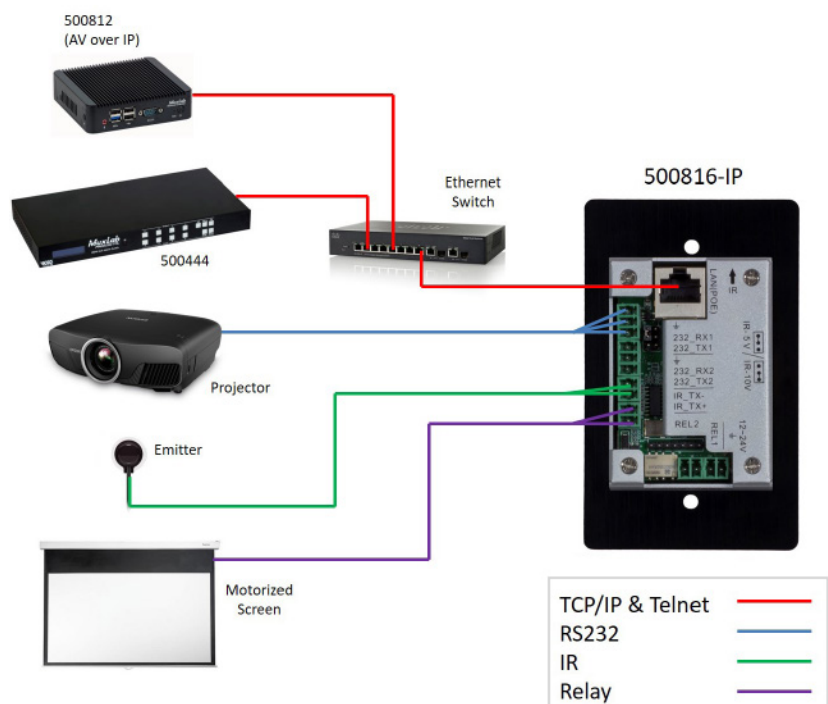
Buttons are backlit and support customizable labels

May be wall or table top mounted

Supports firmware updates via Web Interface

Programmable via Web Interface and 500812 Muxlab Pro Digital Network Controller.

IP PoE Control Panel Application



DIGITAL SIGNAGE SOLUTIONS



The DigiSign CMS (content management system) works with the Digital Signage Media Player (model 500769) and allows users to manage and control AV from a variety of sources, including content streaming via the H.264/H.265 codec over a local Ethernet network, Internet, internal memory and external USB 3.0 memory devices. It was designed for an exceptional user experience, is simple to use and allows the user to gather, organize and schedule content. Content can be autonomously scheduled for the week, with additional weeks ready to play, offering a "set and forget" functionality. Users can create multi-view window layouts and assign audio, video and images, including text banners and logos, to each. Content can play simultaneously from multiple sources, including its internal memory, a USB memory stick, from a local Ethernet network and the Internet.



DigiSign Plus supports all of the features of the standard DigiSign capabilities, plus new and extended features such as:

Key Features

Full year of automated playback to "set and forget"

Support for multi-view windows, with configurable layouts

Manage and control content from various sources

Supports streamed content and local files

Supports video, image and audio content, in addition to logos and text banners

Supports HTML5, RSS feeds, Tickers, Widgets, Instagram, and more

Simple graphical interface for exceptional user experience



DIGITAL SIGNAGE SOLUTIONS



HDMI 2.0 Digital Signage/ Media Player

Part# 500769

Key Features

Digital Signage Media player supporting playlists and weekly scheduler of multi-format video, image and audio files

Supports up to 4K @ 60Hz (4:4:4) video streams

Up-scales 1080p @ 60Hz video streams up to 4K @ 60Hz

Extends local audio/video transmission up to 330ft (100m) over Cat5e/6

H.264/265 video codec, excellent for LAN, and Internet transmission

Digital Signage/Media player supports Multicast, RTSP, HLS, FLV, and TS

USB 3.0 port for playback of local content from external USB drive

Extracts digital audio via SPDIF (TosLink)

Extracts analog audio via 2CH 3.5 mm jack

RS232 and Directional IR for remote control of end-devices

PoE powered, via PoE (PSE) Ethernet Switch

Managed via the unit web interface and Digi-Sign (Content Management System) Software running on PC, tablet and smartphone



HDMI 2.0 Digital Signage/ Media Player

Part# 500769-RM

Key Features

Digital Signage Media player supporting playlists and weekly scheduler of multi-format video, image and audio files

Supports multiview layouts

Supports up to 4K @ 60Hz (4:4:4) video streams

Up-scales 1080p @ 60Hz video streams up to 4K @ 60Hz

Extends local audio/video transmission up to 330ft (100m) over Cat5e/6

264/265 video codec, excellent for LAN & Internet transmission

Supports Multicast, RTSP, HLS, FLV and TS

USB 3.0 port for playback of local content from external USB drive

Extracts digital audio via SPDIF (TosLink)

Extracts analog audio via 2CH 3.5 mm jack

RS232 and Directional IR for remote control of end-devices

PoE powered, via PoE (PSE) Ethernet Switch

Fits on 500920 16-Port Rackmount Transceiver Chassis

Managed via the unit web interface and Digi-Sign (Content Management System) Software running on PC, tablet and smartphone



4K Digital Signage Player

Part# 500789

Key Features

New 4K version of our Digital Signage Media player

Supports playlists and a year or more scheduler of multi-format video, image and audio files

Supports dual 4K/60 feeds at a time in Multiview mode

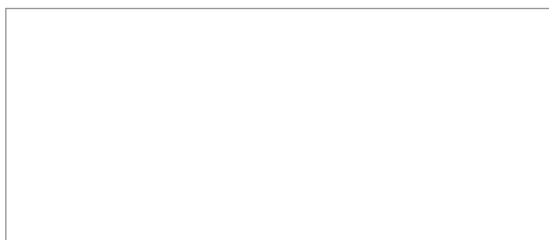
Supports up to 4K@60Hz (4:4:4) video streams

Up-scales 1080p@60Hz video streams up to 4K@60Hz

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Dealer Stamp



Printed in Canada - 2020

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