



Things are getting exciting! NAB starts on Monday and we're in our final stages of preparation for our biggest show ever!

We've updated our complete catalog to include new 3rd party product support details from Anvato, Aveco, Intel, QSC, vMIX and wTVision. It also includes product feature updates and other news including new Proton and ION features and Slomo Mini USB.

South Hall Lower Level Front

SL106 Grass Valley, A Belden Brand	TVLogic SL1208 ChyronHego Corporation	SL1805 SAM Snell Advanced Media	SL2505 AJA Video Systems	SL3305 Ross Video Limited
POST PRODUCTION/DISPLAY SYSTEMS				
SL216 Blackmagic Design	SL1516 Imagine Communications	SL2416 Vizrt	SL3316 Telestream	SL3816 EVS
 Booth SL2919				
SL3824 Christie Digital	SL42...			

Our NAB booth is moving to the South Hall, Lower Level at NAB! - Booth SL2919

Featured Products at NAB 2018

- Video Transport and Switcher Controllers
- SloMo Controllers
- Audio Mixing and Surround Panning Controllers
- Automation & Shotbox Controllers
- Ethernet Control and Interfacing Products
- GPI Control and Interfacing Products

Proton and Ion - Compact Broadcast Switcher Panels - New Lower Price!

Proton and Ion are JLCoopers compact switcher control surfaces for Blackmagic Design ATEM switchers. Small in size and big on features, they provide lightning fast tactile control with real hardware switcher buttons and an all metal Hall effect T-Bar.

http://jlcooper.com/_php/family.php?fam=proton



Proton and ION New Features

Hall Effect T-Bar Supports Increased Resolution for Greater Accuracy

Picture-In-Picture Control for Proton - Supersource Box Size, Cropping, Border Width, Position, Softening, Color and more...

Unique QuikSwitch™ Feature Controls Up to (8) ATEM Units

Proton and ION Instant Input Mapping from Front Panel

GPI Input for Remote Control of Auto Transition*

More New Features and Improvements...

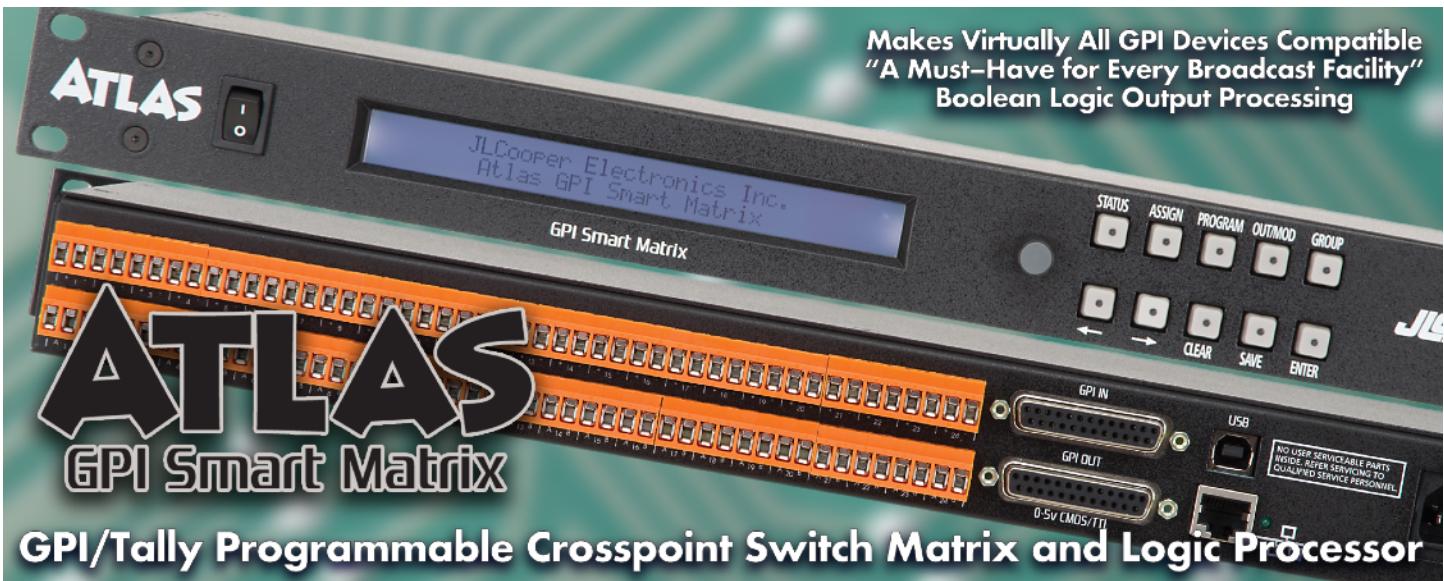
Coming Soon

*This Feature Available Only On New Proton and ION Units

Proton and Ion 3.0 Update - New Features!

- Hall Effect T-Bar Supports Increased Resolution for Greater Accuracy (Proton and ION)
- Picture-In-Picture Control for Proton - Supersource Box Size, Cropping, Border Width, Position, Softening, Color and more...
- Unique QuikSwitch™ Feature Controls Up to (8) ATEM Units (Proton and ION)
- Proton and ION Instant Input Mapping from Front Panel (Proton and ION)
- GPI Input for Remote Control of Auto Transition*
- More New Features and Improvements...
- Available Now - Free Download!

*This is a hardware change and is available only on new Proton and ION hardware.



Makes Virtually All GPI Devices Compatible
"A Must-Have for Every Broadcast Facility"
Boolean Logic Output Processing

Atlas is Shipping!

Atlas GPI is Highly Programmable Crosspoint Smart Switch Matrix and Logic Processor. It provides a number of connections and processing options, making it the ideal solution for correcting GPI/Tally incompatibilities.

Inputs

Atlas offers 24 TTL/CMOS compatible inputs with internal pull-ups to +5 volts and referenced to ground on 25 pin D-sub connectors. It also has 24 parallel, Opto-isolated inputs, on high density, removable, terminal block screw connectors.

Outputs

The D-sub GPI Out connector has 24 TTL/ CMOS compatible outputs and there are 24 electrically isolated dry relay outputs on high density, removable, terminal block screw connectors. CMOS GPI outputs can deliver 0 to 5 volts at up to 6 mA and referenced to ground. Relay Outputs can handle up to 500 mA @ 200 VDC max. Opto-isolated inputs and Relay outputs use high quality removable terminal block connectors (pairs).

Connections

Interface options include CMOS In to CMOS Out, CMOS in to Relay Out, Opto-Isolator In to CMOS Out and Opto-Isolator In to Relay Out functionality.

Logic Processing

Outputs can be programmed to use a boolean expression of input or inputs including functions AND, OR, and XOR, with inversion of inputs and/or outputs. Modification of output characteristics include inversion, delay (up to 999 minutes with millisecond resolution) and pulse (up to 999 minutes with millisecond resolution).

It's ideal for broadcast television, streaming media networks, video editing facilities, news production, alert systems, monitor switching, audio/video/multimedia studios and more. More About Atlas - http://jlcooper.com/_php/product.php?prod=atlas

The Worlds Smallest* Instant Replay Controller

SloMo Mini RS-422 for Deck Control

Controls... BlackMagic Hyperdeck Studio, Studio Mini, FFV Studio Pro Replay, Micron HD, Omega HD, Ki Pro Ultra, Ultra Plus, Ki Pro Rack, Video Devices Pix 250i, 260i, 270i and most professional RS-422 VTRs, servers and file-based video recorders!



SloMo Mini USB for Software Control

SloMo Mini USB is functionally identical to ES-SloMo, making it compatible with 3rd party applications including Dalet BRIO3 Server, Intel freeD 360 Replay, Softlab NSK Forward Goalkeeper and vMIX Replay.

* and Lowest Cost!

[ES-SloMo and SloMo Mini](#)

ES-SloMo RS-422 was shown for the first time at IBC controlling computer based systems from For-A and Cinegy Air Studio.

ES-SloMo J USB version is the primary controller for the groundbreaking Intel 360 Replay, Dalet BRIO 3 Server and vMIX Replay.

http://jlcooper.com/_php/family.php?fam=editsuiteseries

SloMo Mini RS-422 is functionally identical to the ES-SloMo and is designed to control file-based recorders like Aja Kipro, Blackmagic Hyperdeck, etc.

SloMo Mini USB is functionally identical and also works with Intel 360 Replay, Dalet BRIO 3 Server and vMIX Replay.

[Eclipse 24, Eclipse MXL and Eclipse MXL2](#)

Eclipse 24 Midnight is a desktop control surface for mission critical playback and control of broadcast automation, playout and other applications. It features 24 hi-res, RGB, remotely-relegendable 64 x 32 LCD keyswitches, 10 bank buttons, and 17 additional function and navigation switches.

http://jlcooper.com/_php/product.php?prod=eclipse24m

Eclipse MXL Midnight and Eclipse MXL2 Midnight - Our professional fader controllers, featuring high-quality, touch-sensitive, motorized faders and high-resolution backlit LCD display buttons. The new Eclipse MXL2 adds push-button rotary encoders to each channel. Eclipse MXL is directly supported in AVECO Astra Studio and MCR, LAWO (L-S-B) Virtual Studio Manager (VSM), Peavey MediaMatrix NWare, Sony ELC Enhanced Live Production Control System, Vizrt Viz Mosart Studio Automation and other advanced software applications.

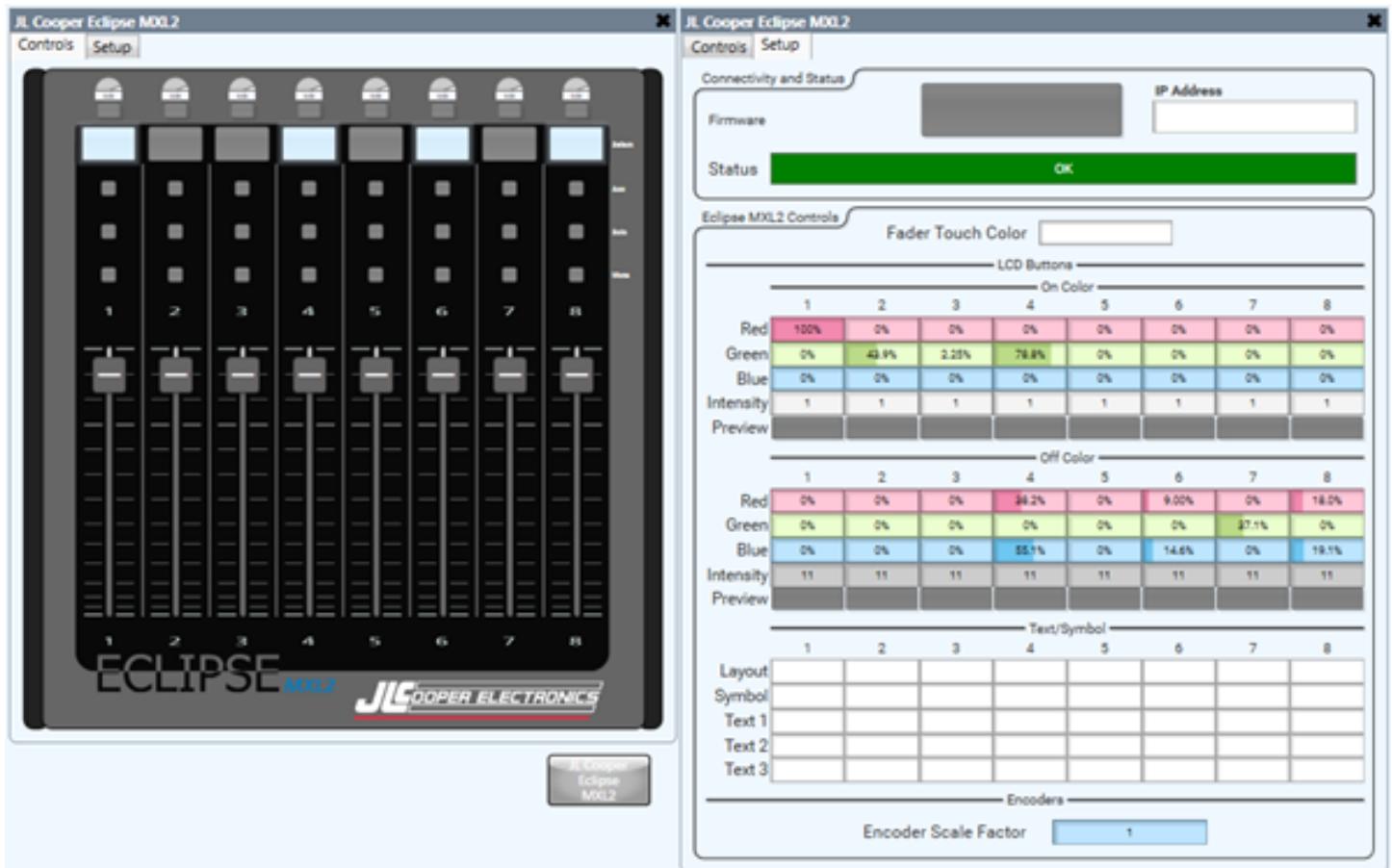
http://jlcooper.com/_php/family.php?fam=eclipseseries

NEW - QSC Q-SYS 7.0 adds complete Eclipse MXL/MXL2 Support

QSC has new plugins that are available in the Q-SYS Designer Software 7.0 release. They used the whole series of MX/MXL products as the basis of a new Plugin, therefore, it supports an ethernet connected MXL Midnight and MXL2 Midnight.

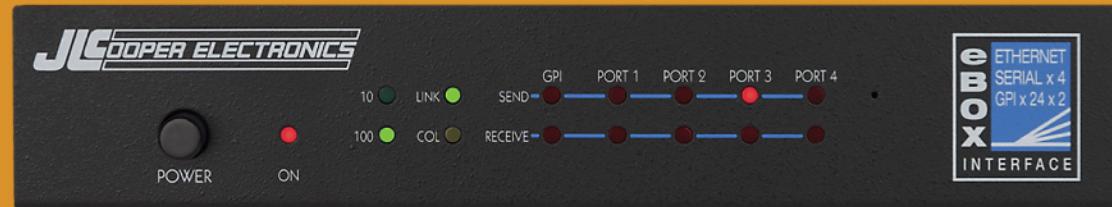
More about QSC Q-SYS can be found here... <https://www.qsc.com/systems/products/q-sys-platform/>

The default Model property is the Eclipse MXL2. You can see the control layout on the left and the Setup page on the right.

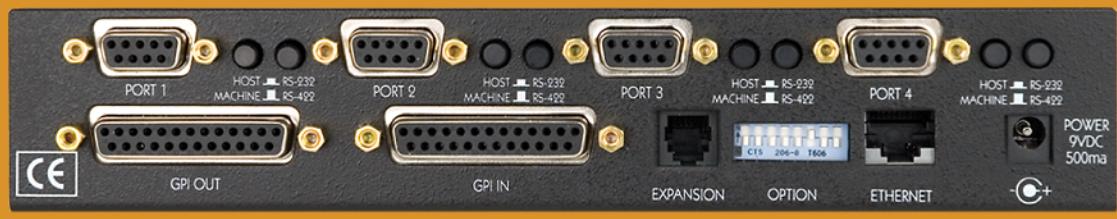


They added the Encoder Scale Factor control to help dial-in the right amount of movement based upon the degree of spin reported from the encoder. You can also choose the type of buttons are used for the Encoder press, Aux, Solo and Mute rows (Toggle, Momentary or Trigger). You can also change the on-screen names of the rows from the defaults. This is purely visual and in case the user doesn't want to actually use them for Select, Aux, Solo or Mute.

eBOX - Quad Serial/Ethernet/GPI Interface



A Portal for Controlling Serial/GPI/Tally Across Your Facility and Across the World.



gBOX, eBox, eBOX Ethernet/GPI8 Interfaces...

gBOX is a general purpose interface that converts up to 48 GPI or Tally inputs and outputs into 100/10 Ethernet, USB, or to a serial interface.

Up to 8 gBOX's can cascade to handle up to a total of 432 GPI inputs and outputs. It's an economical and professional GPI interface for computer-based automation and control systems. Supported directly in by Anvato and others. http://jlcooper.com/_php/product.php?prod=gbox

eBOX is an Ethernet to Quad RS-232/422 and GPI/Tally hardware interface. It simplifies long distance cabling by using IP addressable, point-to-point architecture to send control messages over existing ethernet wiring. eBOX features 4 serial connectors, activity LED's, 24 GPI Inputs and 24 GPI Outputs as a standard feature (Tally or General Purpose Interface - facilitates switch closure control). It's ideal for LAN, WAN and Internet control of video recorders, switchers, computer based editing systems, cameras, projectors and other devices that use RS-232/422 and GPI. It's supported directly by Imagine Communications, Chyron Hego, Ensemble Designs, Newtek, Yamaha and others. http://jlcooper.com/_php/product.php?prod=ebox

eBOX GPI8 (New Lower Price) is a general purpose interface that converts 8 GPI inputs and outputs to Ethernet. It uses the same messages as the original eBOX and it's fully compatible with Tricaster and GPI only applications that support eBOX. Think of it as a lower cost, simpler eBOX without the serial ports, with the addition of opto-isolated inputs, dry contact and relay outputs. http://jlcooper.com/_php/product.php?prod=eboxgpi8