

JLCooper Product News - Summer 2021

IP Connected Control & Interfacing Products

Automate and Control Your Broadcast From Any Location

Atlas
eBOX
eBOX GPI8
GangWay
gBOX
Eclipse 24
Eclipse MXL
Eclipse PX
Elite Slomo
Proton & Ion
SharpShot



JLCOOPER ELECTRONICS

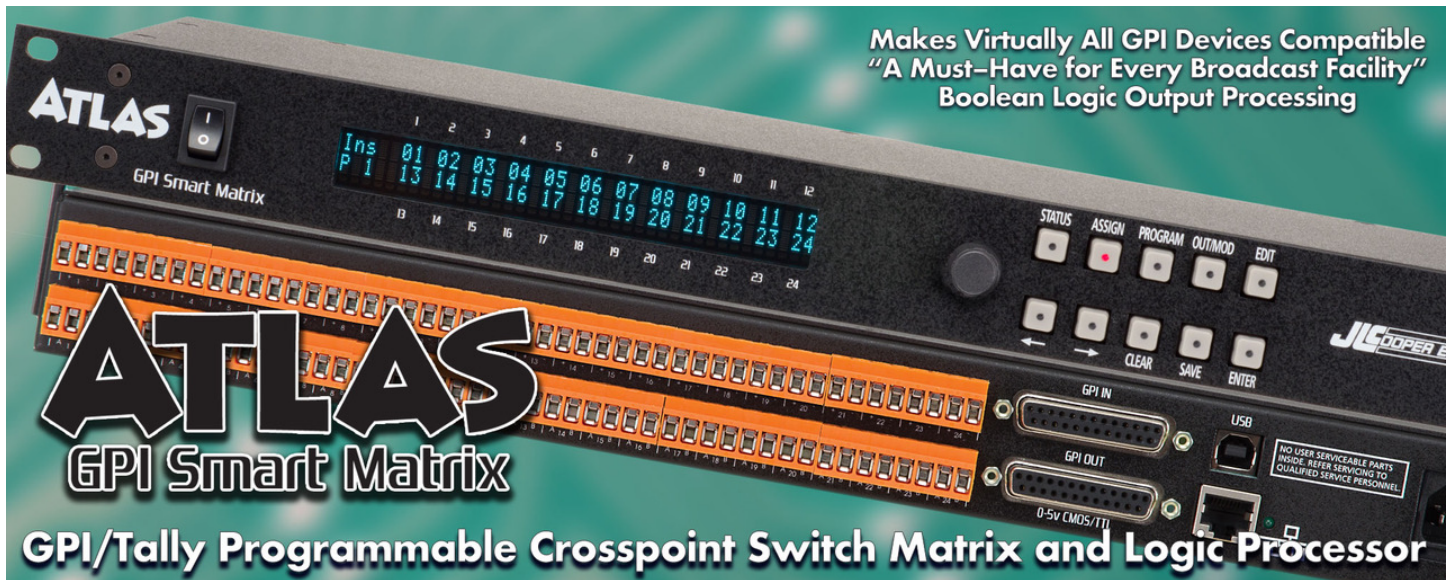
These products support ethernet IP connections



Many JLCooper products support Internet/LAN connections that are crucial for operators who are working in remotely. JLCooper is devoted to building professional-quality control, interfacing and automation products, used in broadcast television and radio, video production and post production, audio recording and other markets. With the largest line of control and interfacing products for specialized applications, JLCooper sets the standards that others follow.

JLCooper's record speaks for itself with over 40 years of award winning products. Our clients include virtually all major broadcast networks, all major film studios, most major touring artists, organizations like Apple, Industrial Light & Magic, IMAX, Intel, Microsoft, Pixar, Lockheed Martin, MLB, NASA, NBA, NFL and thousands of leading companies in audio and video production, broadcast, aerospace, education, scientific research, medical imaging and others, who rely on our products every day.





ATLAS GPI/Tally Smart Matrix - https://jlcooper.com/_php/product.php?prod=atlas

Atlas update...

We've recently added a new feature unique called Set/Reset Latching. The feature allows a GPI Output to be controlled by two GPI Inputs. With this feature, a GPI Output can be programmed to latch 'on' when one GPI Input is received and latch 'off' when another GPI Input is received.

This is useful in situations where two signals can define a state of operation. For example, an alarm connected to a GPI Input can latch a visual indicator on while a pushbutton switch connected to another GPI Input can turn off the visual indicator.

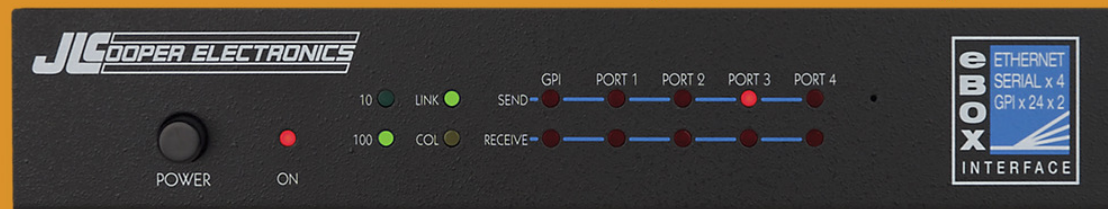


AXOS - Professional Surround Panner - https://jlcooper.com/_php/product.php?prod=axos

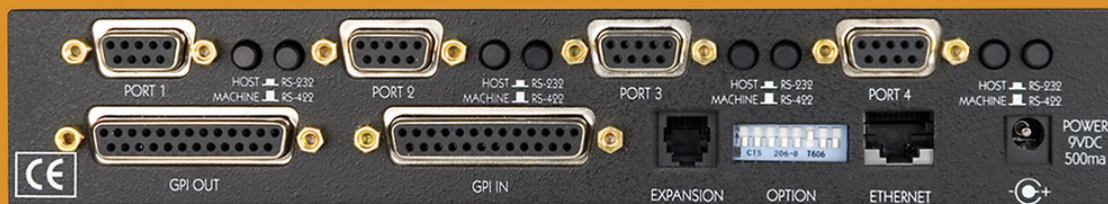
Telos Alliance adds support for AXOS and Eclipse PX - Professional Surround Panners

Linear Acoustic AMS - Authoring and Monitoring system for real-time authoring of immersive audio metadata (e.g. Dolby Atmos and Fraunhofer MPEG-H formats) for live events, such as sporting events. - <https://www.telosalliance.com/Linear/Linear-Acoustic-AMS-Authoring-Monitoring>

eBOX - Quad Serial/Ethernet/GPI Interface



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



eBOX Product Family - Serial/GPI/Ethernet IP Interfaces - eBOX, eBOX io, eBOX GPI8, gBOX, Atlas and sBOX can be combined in a myriad of ways. Complete host mode support. Directly supported by Chyron Hego, Ensemble Designs, Grass Valley, Harmonic, Imagine, Newtek and others. https://jlcooper.com/_php/family.php?fam=ebox

Gallery Sienna adds direct support for eBOX to NDI - <http://www.sienna-tv.com/ndi/gpioverndi.html>
#1 global developer of NDI Infrastructure for broadcast, in partnership with NewTek/VizRT. We have developed new standards for Metadata within NDI, and recently created the "GPI over NDI" protocol and have used this new standard to add support for eBox in our NDI Processing Engine - which forms the core of next generation IP Video facilities. eBox GPI Closures can now generate NDI Metadata messages which feeds into deeper parts of the workflow. Similarly software using NDI can generate NDI GPI Metadata - which can then transform back into physical closures using eBox.

Grass Valley Ignite 11.2 adds direct eBOX Support - <https://www.grassvalley.com/products/ignite/>

Harmonic Spectrum XE adds direct support for eBOX - <https://www.harmonicinc.com>

gBOX, eBox, eBOX Ethernet/GPI 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 Google/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. http://jlcooper.com/_php/product.php?prod=ebox

eBOX GPI8 is a general purpose interface that converts 8 GPI inputs and outputs to Ethernet. For compatibility, it uses the same messages as the original eBOX and it's fully compatible with eBOX and sBOX. Think of it as a 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



Eclipse Series

Mission Critical Broadcast Controls

Eclipse family of control surfaces represents our highest level of quality and flexibility.

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

Digital Broadcast adds support for Eclipse 24 Midnight in Mediafire - <https://www.digitalbcast.com>

Newsmaker Systems adds support for Eclipse 24 and Eclipse MXL2 with Newtek Tricaster IP Series - <http://www.newsmakersystems.com>



Eclipse G4 Mac Software

- Mac OS Big Sur/Apple Silicon
- Connects up to 15 Eclipse Units
- Pro Tools
- Logic Pro
- Cubase/Nuendo
- Premier Pro/Audition
- Final Cut Pro
- Now Controls ATEM



New Eclipse Ethernet software for Mac - Generation 4

https://jlcooper.com/php/download_manager.php?op=downloads&rgrp=eclipseseries&nm=Install_EclipseG4.dmg

Eclipse Generation 4 software for Mac includes new features for ethernet equipped Eclipse units to control Adobe Audition, Premiere Pro, Final Cut Pro X, Logic Pro X, Pro Tools, Media Composer, Nuendo, Waves eMotion and virtually any Mac software.

Updated for Mac OS Big Sur and new Apple M1 processors, it provides context-sensitive Jog/Shuttle and user control of text displays and user mapping of controls in any applications. G4 software introduces support for Blackmagic Design ATEM Video Switchers and the ATEM software application, turning Eclipse controllers into customizable ATEM control surfaces. Many ATEM features are accessible including Audio Control, Program and Preview sources, Clips, Stills, Transport and Looping for Media Players and attached HyperDecks, Transitions, Control Auto Transition via button or fader, Camera Lens Control, Focus, Iris, Zoom, White Balance, Control Pedestal/Iris with a joystick and more.

Our smart software driver knows which app is in the foreground and switches settings automatically for seamless control of your workflow. Adjust Built In functions, Keystrokes, Mouse, MIDI, Special and Emulation and other macro functions. Supports up to 15 connected Eclipse modules.

Enhanced support for Eclipse 24, MXL, MXL2 make the Eclipse Midnight Series the most powerful programmable professional controllers for Mac.

- Updated for Mac OS Big Sur
- Supports any combination of up to 15 Eclipse modules
- Navigator Window for managing hardware setup
- Windows for each Module with integrated Inspector view
- Support for up to four Eclipse modules in Pro Tools, including surround panning with EclipsePX
- Support for multiple Eclipse modules in Logic Pro X, Cubase and Nuendo, including surround panning with EclipsePX
- Support for Adobe Premier Pro CC

New Eclipse ATEM Features

Extensive control over ATEM, including...

ON, AFV, Headphone Cue, Balance, Balance Reset and Gain for Audio Inputs.

Gain and AFV for Audio Master.

ON, Dim and Gain for Headphone Monitor.

Assign Program and Preview sources.

Assign Clips and Stills to Media Players.

Transport and Looping control for Media Players and attached HyperDecks.

Display HyperDeck timecode.

Trigger Cut, Auto Transition or Fade to Black with button press.

Control Auto Transition and Fade to Black rates.

Control Transitions with a fader.

Camera Lens control, including Auto Focus, Manual Focus, Iris and Zoom.

Show/Hide Camera Color Bars.

Adjust camera settings, such as White Balance, Shutter Speed, Detail, Gain.

Set and Reset camera color settings, including Y, Red, Green, Blue, Master, Contrast, Hue,

Saturation, LumMix and Pedestal.

Control Pedestal/Iris with a joystick.

JLCooper provides a keyset for use with the ATEM Software Control application. ATEM actions may be used with any application.

RSA Cosmos Installs Eclipse Controllers

RSA Cosmos - <https://www.rsacosmos.com/news-en/a-high-tech-hybrid-for-the-observatory-of-gimhae-in-south-korea.html>



Proton and ION



Proton and Ion - Compact Switcher Control Panels - Proton and ion are full featured compact hardware control panels for fast video switching in live production environments. Full Host mode support for developers. https://jlcooper.com/_php/family.php?fam=proton

Gallery Sienna Directly Supports JLCooper ION control over NDI - <http://www.sienna-tv.com/ndi/ndiswitcher.html>





ion

Switcher Control Surface

Broadcast Switcher Panel for BlackMagic Design ATEM



JLCooper's ION is the best hardware control panel for fast video switching in live production with Blackmagic Design ATEM. Use it with ATEM, as a primary or secondary controller or as the perfect tactile companion to the ATEM software along side your laptop or desktop computer. Add ion rack ears (included) and it's ready to mount in just two rack spaces for mobile fly packs. Remotely control Blackmagic Design ATEM over LAN or the internet, including the unique ability to QuikSwitch Control up to (8) ATEM units. It's perfect for for remotely working for, sports, educational, corporate, computer, house of worship and other applications. - <https://jlcooper.com/php/product.php?prod=ion>



MCS6 Media Control Station

MCS6 RS-422
Controls Hyperdeck, Ki Pro, Pix, Shogun, Sony...

MCS6 USB for Mac
Final Cut Pro, iMovie, Premiere Pro, Pro Tools, Nuendo, Media Composer Keysets included, or make your own for ANY Mac software!

Aluminum, Optically-Encoded Jog/Shuttle
Premium Professional Transport Buttons
Robust, All Metal Design, Cable Included
Updated Design Saves Desktop Space

MCS6 Media Control Station - Add a professional controller to speed your workflow.

<https://jlcooper.com/php/family.php?fam=mcs6>

"I really like this MCS6-USB Controller. Its small footprint and programmable buttons make it ideal for my home setup. Great design !" – MCS6 Customer

MCS6 is a modernized and updated version of our popular MCS3 Media Control Station with a compact new enclosure style. The familiar button layout and Jog/Shuttle is identical to the MCS3. It features professional transport buttons for Record, Play, Stop, Fast Forward and Rewind. It has 18 physical buttons for a variety of editing functions and the V/Stick Navigation Control. A precision, optically encoded jog wheel with a concentric shuttle ring lets you control audio or video effortlessly and with frame accuracy.

MCS6 USB Software for Mac OS

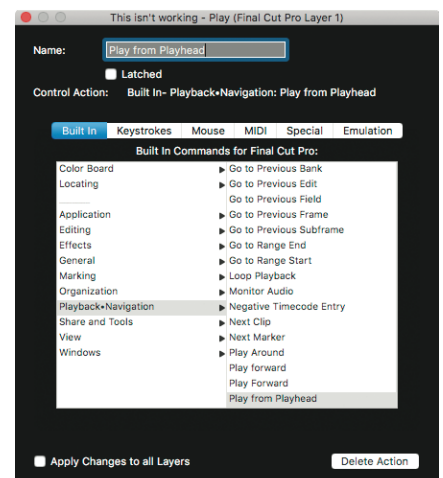
<https://jlcooper.com/php/downloads.php?op=downloads#anchor-recent>

Controls FCP X™, Logic Pro X™, Nuendo™, Adobe Premier Pro CC™, Pro Tools™ and more. Updated for Mac OS 10.15 (Catalina). Version 1.0.7 fixes an issue with the Nuendo 10 keyset.

Version 1.0.9 has a new keyset for Premier 2020™ and updated manual. **version 1.0.9**



Download includes MCS6 application, documentation, driver, keysets and all necessary support files.





vMix Replay

SloMoPro

Universal Slomo Controller

SloMoPro RS-422™ - Provides fast, precise control of up to four professional video recorders including; AJA, ATOMOS, Blackmagic Design, Sony XDCAM, Video Devices and others. Featuring "One Touch" Instant Replay! Compact, sleek, low profile design.

SloMoPro USB™ is a next generation control surface in a compact, low profile enclosure. Controls computer-based Slow Motion software. Directly supported by 3rd party applications including Dalet Brio3 Server, Intel True View and vMix Replay. Developers and OEMs can easily build direct SloMoPro support directly into applications.

SloMoPro RS-422 and USB Versions - https://jlcooper.com/_php/family.php?fam=slopro

SloMoPro RS-422 and SloMo Mini RS-422 1.20 Firmware Update

Blackmagic Design Hyperdeck Loop Feature - - Adds Loop Play One Clip and Loop Play All Clips command option to W1 and W2 buttons.

Firmware updates may be obtained by contacting service@jlcooper.com.

SloMo Mini RS-422 for Deck Control

Works with...

AJA
Ki Pro Rack, Ki Pro Ultra,
Ki Pro Ultra Plus,

ATOMOS
Shogun Studio

BlackMagic Design
Hyperdeck Studio,
Hyperdeck Studio Mini

Video Devices
Pix 250i, Pix 260i, Pix 270i
and most professional
RS-422 VTRs, servers
and file-based video
recorders!



Two Versions Available

SloMo Mini USB for Computer Control

Functionally identical to the ES-SloMo J USB, working with 3rd party applications including...

Dalet
BRI03 Server,
Softlab NSK
Forward
Goalkeeper
and **vMIX**
Replay.

The Worlds Smallest Instant Replay Controller!

SloMoPro and SloMo Mini - RS-422 and USB models. https://jlcooper.com/_php/family.php?fam=slopro



Transport Pro
Universal Video Controller

Controls most professional file-based video recorders
Compact design provides a 20% smaller footprint.

Works with AJA, Atomos, Blackmagic Design,
Video Devices, Sony XDCAM and others.

Automatic deck sensing, remote browsing,
2|4|8|16x shuttle buttons, 7 Fast Locates!

Integrates with GangWay4™ for
remotely controlling up to 4 recorders.

Transport Pro RS-422 replaces ES-450J RS-422. It can be combined with the new GangWay4 to control up to 4 RS-422 recorders. https://jlcooper.com/_php/product.php?prod=transportprors422



GangWay4
4 port RS-422
Gang Roll Switcher and GPI Trigger Box

Control up to four video recorders including...
AJA, Atomos, BlackMagic, Video Devices, Sony and most others!
For table top or rack use (1/2 single rack space).

GangWay4 - GangWay4 is a new smaller, lower cost GangWay that works with Transport Pro or any RS-422 controller. Front panel buttons can perform double duty function to let it be used by itself to control up to 4 recorders. See GangWay16 and GangWay 32 models for controlling video decks in larger installations. https://jlcooper.com/_php/family.php?fam=gangway



Extend MIDI
MLA - MIDI Line Amplifiers
 Extend MIDI Range over 1000' with Zero Latency
3 Models to Choose From
 Perfect for touring or permanent installation in studios, theaters, arenas, houses of worship, schools, cruise ships, casinos, nightclubs, and other venues.

The advertisement features three models of MIDI Line Amplifiers: the MLA-XLR (top right), the MLA-10 (bottom right), and a rack-mountable model (bottom left). The background is yellow with a close-up of a MIDI cable being plugged into a device on the left.

MLA - MIDI Line Amplifiers - https://jlcooper.com/_php/family.php?fam=mla

Blue Man Group, Cavalia, Cirque du Soleil, Depeche Mode, Ghost, Grand Ole Opry, Juliard Academy, Kelly Clarkson, Los Angeles Philharmonic, Pearl Jam, Queen, Royal Caribbean Cruises, Sidney Theatre Company, Tame Impala, Yes and many others choose JLC Cooper MIDI Line Amplifiers.

Other News...

Software Updates/Downloads - https://jlcooper.com/_php/downloads.php?op=downloads

All current Mac software has been updated for Mac OS Big Sur

New Windows software and firmware for Atlas available

New Mac software for SharpShot available

Black Shuttle Rings - (cosmetic change only)

Effective immediately, all MCS6, TransportPro, SloMoPro and Elite SloMo models using the J mechanism will use a Black Shuttle Ring.

eBOX and eBOX GPI8 Updated to 2.10

- Adds ability to fully initialize EEPROM including MAC address. Setting all DIP switches up and holding front panel reset button on power up will fully initialize EEPROM including MAC address.
- Increases maximum GPI to Ethernet/Serial message length to 55 characters.
- In GPI to Ethernet conversion mode as client, disables mechanism intended for normal eBOX to eBOX mode that causes the eBOX to close the connection (by sending TCP Reset) after 20 unanswered messages.
- Reverts TTL (Time to Live) and Retry Time to pre-v208 values. The TTL (Time to Live) value is 128 and the Retry Time value is 400mS.
- Extends Ethernet command (FD nn 00 00 8x) to allow a host (ES-450JE) to send serial messages to multiple serial ports. This reduces the overhead and timing issues of sending serial messages to multiple serial ports. Disables concatenation when this message is received with the bitmap mode enabled.

Firmware updates may be obtained by contacting service@jlcooper.com.

The JLCooper Story

JLCooper Electronics is truly a pioneer in the development of professional control, automation, synchronization and interfacing products.

Our solid reputation for design innovation is a testimony to the quality, reliability and performance of every product we make.

The company was founded in 1979 to make accessories for a growing music synthesizer market. They presently offer a complete range of branded products for the professional audio, video and multimedia markets.

Over the years, JLCooper has expanded to become a multimillion dollar corporation servicing audio and video production, television and radio broadcast, film editing, medical research and imaging, aerospace, sports, education and many other specialized markets.

All products are manufactured in the U.S.A. and carry a full one year warranty. JLC products are sold by dealers and distributors worldwide.

JLCooper continues to increase the flexibility of our product range with hardware that is built to last. Take advantage of increased functionality, creativity and control. Streamline and enhance the way your existing products function together. With the largest line of control products for computer-based systems and specialized applications, JLCooper products set the standards that others follow.

Featured Products

- Video Transport and Edit Controllers
- SloMo Controllers
- Audio Mixing and Surround Panning Controllers
- Automation & Shotbox Controllers
- Ethernet IP Control and Interfacing Products
- GPI Control and Interfacing Products
- All Product Made in the USA

JLCooper Full Line Catalog

We've updated our catalog for 2021, including the latest information on Eclipse, SharpShot, SloMoPro, SloMo Mini and more!

http://jlcooper.com/_brochures/_Catalog/JLCooper_Catalog.pdf

