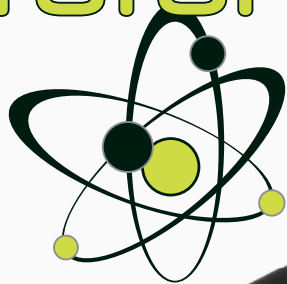


Proton



Switcher Control Surface

Compact Broadcast Switcher Panel for BlackMagic Design ATEM

Developer Host Mode for Easy Integration into Custom Software Applications

JLCooper's new Proton™ – Switcher Control Surface is a full featured compact hardware control panel for fast video switching in live production environments.

It features the ability to control Blackmagic Design ATEM Production Studio models and an open "Host Mode" for software developers and special applications.

It's powerful features and low cost make it perfect for mobile, sports, educational, corporate, internet, computer control, house of worship and other applications.

- Lightning Fast Tactile Control Panel
- Precision Control Knobs with Push-Button Encoders
- Backlit Relegendable Buttons
- 16.77 Million Colors on Switcher Buttons
- 240 x 96 Backlit Graphic Display
- 2 x 40 Backlit LCD Display
- Variable Brightness on All Displays and Buttons
- 4 Assignable Macro Buttons
- Smooth Precision Aluminum T-Bar Transition Control
- LED Bar Displays Transition Progress

- Nearly All Functions of Larger and More Costly Panels
- Extensive ATEM Parameter Control
- Labels Automatically Appear on Scribble Strip
- Fast Selection of Macros at the Push of a Button
- Fade to black
- Graphic Display of Wipe Patterns
- Internal Switching Power Supply
- Install it on a Sliding Rack Shelf or 19" Rack Tray
- UDP - Multiple Panels Can Be Used Simultaneously
- Host Mode for Software Developers



8.25 in
21.00 cm

14.8 in
37.59 cm

Weight
4.7 lbs
2.13 kg



3.35 in
8.51 cm

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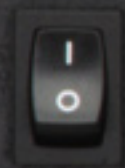
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POWER



POWER



NO USER SERVICEABLE PARTS
INSIDE. REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL.

AUX



ETHERNET



LINK



Proton





SYSTEM

Four small square buttons at the top.

Central display with a grid of 16 icons and the word "Select" at the bottom.

Four rotary knobs at the bottom.

Vertical column of buttons on the right: SETUP, PARS, WIPS, RATES.

DSK1 TIE

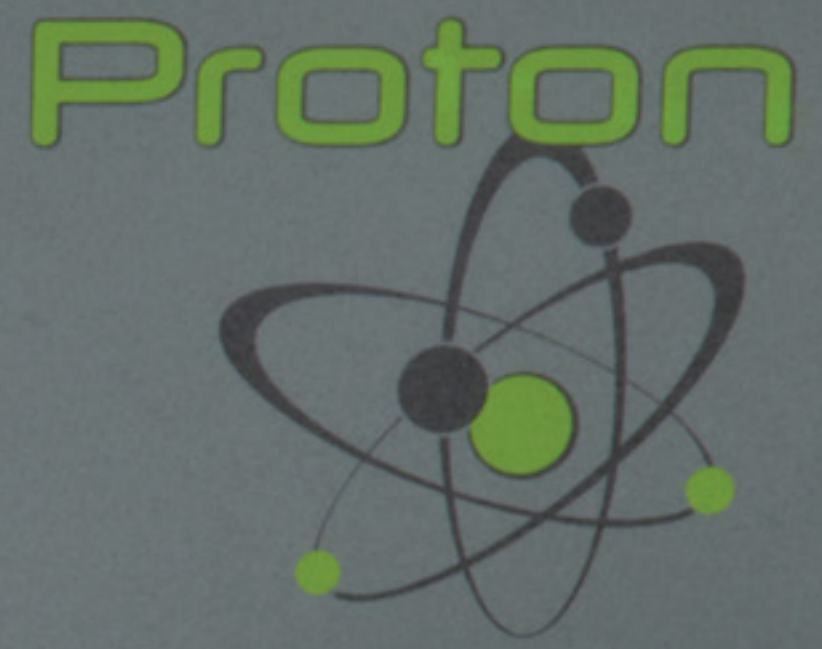
DSK2 TIE

ON AIR 1

ON AIR 2

DSK1 AUTO

DSK2 AUTO



CUT FILL

BKGD

KEY1

ON AIR

SOURCE

Hypr SPro Pix Ultra Morn Rack Blk Bars

JL COOPER ELECTRONICS

PROGRAM

Row of buttons: 1 (green), 2, 3, 4 (red), 5, 6, 7, 8, SHIFT, PREV TRANS.

MIX

DIP

WIPE

CUT

AUTO

FTB



PREVIEW

Eclipse MXL2 Midnight

8 Fader Controller/Expander w/LCD Buttons and Rotary Encoders

Eclipse MXL™ is our newest professional fader controller, featuring touch-sensitive, 100mm motorized faders and high-resolution backlit LCD display buttons and push-button rotary encoders. New design features high quality faders with better feel and improved reliability.

The LCD buttons can display 64 colors and up to 32 characters of text and graphics. It can display channel labels, color coded track arming status and other mission critical information.

Built in USB and Ethernet interfaces provide connections to host systems without the need for interface cards. Ethernet is TCP/IP and UDP compatible.

JLCooper has an existing Developer Program to provide engineering support, SDK's and protocol documents for our products.

Contact us directly to find out how you can interface the new Eclipse MXL2 with your software.



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ECLIPSE_{MXL2}

POWER
12VDC @ 3A Min.



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QUALIFIED SERVICE PERSONNEL.

USB



ETHERNET







JLCooper - News and Updates

See our **Catalog** and updated **Web Site** for Additional Information

SloMo Mini

Four Channel Instant Replay Controller

SloMo Mini's small footprint and low cost makes it perfect for sports, scoreboard, trucks, transfer, QC, dubbing and other editing operations.

It makes precise control of professional servers, file-based recorders and VTRs incredibly fast and easy.

Features include illuminated transport buttons, Optical Jog Mechanism, High-Quality T-Bar, Backlit LCD Display, Numeric Keypad and Fast Access Function Keys.

Expandable by connecting SloMo Mini to GangWay16 (optional) for remote control of up to 16 channels!



Controls... AJA Ki Pro, Ki Pro Rack, BlackMagic Hyperdeck Studio, Studio Pro, FFV Micron HD, Omega HD, Studio Pro Replay, Video Devices Pix 250i, 260i, 270i and Most Professional RS-422 VTRs, Servers and File Based Video Recorders!



- New Automated Replay Features!
- One Touch Replay with Hyperdeck & KiPro
- Browse Clips and View Clip Names*

- Simultaneous Control of up to 4 RS-422 Video Decks and file-based Video Recorders
- Quickly store up to 1000 Cues - 500 In and Out Points with Varispeed
- T-Bar for Dynamic Slow Motion - Sends Shuttle, Jog or Variable Play
- Programmable T-Bar Min-Max, Preset Speeds, Active or Passive Modes
- Ultra Compact Design Saves Desk Space
- Durable All Metal Construction
- JLCooper Optical Jog Wheel
- Host Mode for Developers (ES-SloMo Code Compatible)



Included 10' (3m) quad snake/power cable minimizes desktop clutter.



Professional Surround Panner for AVID Pro Tools HD and Apple Logic Pro X

JLCooper's new AXOS Panner for AVID Pro Tools is a high-quality professional controller. It combines a Touch-Sensitive Joystick, 5 Rotary Encoders and 9 Tactile Switches for lightning fast, real-time performance mastery of surround panning and mixing parameters.

AXOS gives you comprehensive control including Pan, Divergence, Volume, Mute, LFE, Center Percentage and Channel Navigation. It connects to your Pro Tools System on Mac or Windows using a supplied 3 meter USB cable.

Software plug-ins for Mac OSX gives the AXOS Panner the added ability to precisely control automated surround mixing in Apple Logic Pro, Steinberg Nuendo and Cubase. Controls X/Y, Track Next/Prev., Angle, Radius, LFE, Spread, Center and more.

Compatible with MDA Creator version 1.2, available October 2015!

New - Direct Support in Dolby ATMOS Tools 1.6



- Lightning Fast and Easy To Use
- Works with AVID Pro Tools HD for Mac/Windows
- Plug In Support for Apple Logic Pro on Mac
- Works with Steinberg Nuendo and Cubase Mac
- Touch-Sensitive Joystick
- Low Profile Compact USB Class Compliant Design
- Durable All Metal Construction
- Host Mode for Software Developers



New
Dolby ATMOS
Support!



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New - Direct support in Dolby ATMOS Tools 1.6 with Dolby ATMOS RMU.