# *Eclipse MX Midnight*

## 8 Channel Expander/Controller




*Users Manual*

JL COOPER ELECTRONICS

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*Eclipse MX Midnight User's Manual, First Edition*
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# Introduction

The Eclipse MX Midnight is a tactile control surface intended for video editing applications such as Apple Color and Final Cut Studio.

The Eclipse MX Midnight is intended to operate with the Eclipse CX Midnight or Eclipse SX Midnight to add audio control to the unit. The Eclipse MX Midnight adds the following enhancements to the Eclipse SX Midnight or Eclipse CX Midnight:

- 8 Touch Sensitive Moterized Faders
- 32 Illuminated Buttons for Channel Specific Functions

The unit connects to a master unit such as the Eclipse CX Midnight or Eclipse SX Midnight via a four pin expander cable. The expander cable carries data to and from the Eclipse MX Midnight. Power is supplied by a separate power supply for the Eclipse MX Midnight.

# Installation

## Unpacking

When you receive your Eclipse MX Midnight, you should receive the following items:

- Eclipse MX Midnight
- Power Supply
- Line Cord
- This Users Manual

Please take a moment to register your product at:

http://www.jlcooper.com

This will allow us to notify you of important updates and changes to software or features.

## Setup

The compact design of the Eclipse MX Midnight makes it easy to locate wherever you need it. The Eclipse MX Midnight must be setup up in a location that does not experience vibration, excessive humidity, dust or temperature extremes.

## Connecting the Eclipse MX Midnight

The Eclipse MX Midnight connects directly to a master unit with a four pin expander cable. Simply connect one end of the cable to the Eclipse MX Midnight and the other end to a master unit such as the Eclipse SX Midnight.

## Configuring the Eclipse MX Midnight

The Eclipse MX Midnight has DIP switches on the rear panel to configure its behavior. To use the Eclipse MX Midnight as an expander unit to an Eclipse CX Midnight or Eclipse SX Midnight, set all the DIP switches to the 'UP' or 'OFF" position as shown the image below.




## Power

The Eclipse MX Midnight receives its power from the power connector from the rear panel. The power switch switches the power to the unit.

# Using the Eclipse MX Midnight

Refer to the user documentation of your host application for details on how to use the Eclipse MX Midnight with your application.

## Troubleshooting

If for some reason the Eclipse MX Midnight does not give you the expected results, take a moment to do some investigating. The most important concept is that you have your Eclipse MX Midnight connected properly as outlined in *Installation and Use*. Take a moment to double check your setup.

A common problem is forgetting to turn the power switch on or turning the unit on after the software application has launched.

In addition, the JLCooper website (www.jlcooper.com) will contain current information on drivers, applications and troubleshooting.

## Care and Service

If properly cared for, your Eclipse MX Midnight should provide years of troublefree performance. While the Eclipse MX Midnight is built in a rugged enclosure, please avoid dropping the Eclipse MX Midnight.

Clean with a soft, damp cloth. Do not allow liquids, dust or other foreign matter to get inside the unit.

There are no user-serviceable parts in the Eclipse MX Midnight. Please refer to the JLCooper Electronics Limited Factory Warranty on the following page for detailed warranty and service information.

# JLCooper Electronics Limited Factory Warranty

JLCooper Electronics ("JLCooper") warrants this product to be free of defects in materials or workmanship for a period of 12 months from the date of purchase. This warranty is non-transferable and the benefits apply only to the original owner. Proof of purchase in the form of an itemized sales receipt is required for warranty coverage. To receive service under this warranty, customers in the United States should contact the JLCooper factory at (310) 322-9990 and talk to a service technician. If necessary, a Return Authorization number may be issued. For our customers outside the United States, it is recommended that you first contact your Dealer or Distributor, since they may offer their own service or support policy. If local support is not obtainable, please send a FAX to JLCooper's Service Department at +1 310 335 0110 with a detailed description of the service required. Upon issuance of return authorization, the product should be packed in the original shipping materials and shipped prepaid and insured to: Service Department, JLCooper Electronics, 142 Arena Street, El Segundo, CA 90245. Please include the following: copy of the sales receipt, your name and address (no P.O. Boxes, please), a brief description of the problem, and any other related items discussed with the service department and considered necessary to evaluate the product or effect a repair. The return authorization number must be clearly written on the outside of the package. JLCooper will at its option, without charge for parts or labor, either repair or replace the defective part(s) or unit. Shipping costs are not covered by this warranty. JLCooper's normal repair turn around time at the factory is approximately 15 business days from receipt of product to shipping. Your actual turn around time will include return shipping. Actual turn around time will vary depending upon many factors including the repeatability of the customer's reported complaint, the availability of parts required for repair, the availability of related products needed to evaluate the product if necessary. Priority services are available at additional cost. These should be discussed with the service technician at the time the return authorization is issued. This warranty provides only the benefits specified and does not cover defects or repairs needed as result of acts beyond the control of JLCooper including but not limited to: abuse, damage by accident/negligence, damage from using incorrect power supply, modification, alteration, improper use, unauthorized servicing, tampering, or failure to operate in accordance with the procedures outlined in the owner's manual; nor for natural or man-made events such as, but not limited to flooding, lightning, tornadoes, earthquake, fire, civil unrest, war, terrorism, etc.

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