

# ECLIPSE<sub>MX</sub>

Motorized Fader Control Surface






Users Manual



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*Eclipse MX User's Manual, First Edition (October 26, 2009)  
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 (310) 322-9990  (310) 335-0110  [www.jlcooper.com](http://www.jlcooper.com)

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# Introduction

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The Eclipse MX is an audio level control panel with 8 touch sensitive, motorized faders and 32 illuminated pushbuttons. It can be used as an expander with the Eclipse CX or, it can be used as standalone MIDI controller with a computer based application.

## Expander Operation

When used as a complimentary tactile control surface to the Eclipse CX, the Eclipse MX is intended to add audio level control in color grading applications such as Apple Color, Iridas SpeedGrade, Assimilate Scratch and IFX Piranha Cinema HD.

The unit connects to the Eclipse CX via JLCooper Expansion cable. The unit is powered from the supplied 12 volt power adapter.

## MIDI Standalone Operation

When used as a standalone MIDI controller, the Eclipse MX can operate with various applications. Most notably, the Eclipse MX can control the Automation Gain Tool in many Avid video editing products including:

- Avid Media Composer
- Avid News Cutter
- Avid Symphony
- Avid Xpress Pro

The unit connects to the host computers MIDI ports. The unit is powered from the supplied 12 volt power adapter.

*Note: The Expansion Slot is not used in this version of the product. Do not install any interface card in this slot.*

# Installation

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## Unpacking

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

- Eclipse MX
- This Users Manual
- Power Supply
- Power Cord
- Expansion cable

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

# Using as an Expander with an Eclipse CX

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In this mode of operation, the Eclipse MX will be used as an expansion unit to an Eclipse CX adding fader functionality to the system. Up to four expander Eclipse MX controllers can be connected to an Eclipse CX. In this mode of operation, the Eclipse MX connects to the Eclipse CX using the JLCooper Expansion Cable.

## Configuring the the Eclipse MX

Before connecting the Eclipse MX to the Eclipse CX, the unit address must be set. The unit address of the connected Eclipse MX is set by the DIP switches on the rear of the unit.



**Eclipse MX Mode Select DIP Switches**

Address	Faders	Switch 4	Switch 3	Switch 2	Switch 1
Expander #1	1-8	Off (Up)	Off (Up)	Off (Up)	Off (Up)
Expander #2	9-16	Off (Up)	Off (Up)	Off (Up)	On (Down)
Expander #3	17-24	Off (Up)	Off (Up)	On (Down)	Off (Up)
Expander #4	25-32	Off (Up)	Off (Up)	On (Down)	On (Down)

**DIP Switch Settings in Expander Mode**

*Note: The DIP Switches are read when the unit is powered on. If the states of the DIP Switches are changed, you must power cycle the Eclipse MX before the changes take effect.*

## Connecting the Eclipse MX

Connecting an Eclipse MX expander to a master Eclipse CX is straightforward. Simply connect the Eclipse MX to the Eclipse CX Expansion port using the supplied JLCooper Expansion Cable. Additional Eclipse MX controllers can be added by connecting additional units to the last Eclipse MX as shown in the diagram below. The order in which the Eclipse MX controllers are connected is not important. The Eclipse MX controllers can be connected in any order.

Connect the Eclipse MX to the Eclipse CX Expansion Port.  
Connect the included power supply to the Eclipse MX.



*Note: The Expansion Slot is not used in this version of the product. Do not install any interface card in this slot.*

# Using Standalone with a Host Application

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In this mode of operation, the Eclipse MX will be used as a standalone unit to control a host application. Currently, the only supported application are the Avid family of video editing software including:

- Avid Media Composer
- Avid News Cutter
- Avid Symphony
- Avid Xpress Pro

*Note: The Avid DS family does not support the Eclipse MX.*

## Configuring the the Eclipse MX

Before connecting the Eclipse MX to the host computer, the unit must be configured to operate in the proper mode. The operational mode of the Eclipse MX is set by the DIP switches on the rear of the unit.

*Note: Other applications may also use the Eclipse MX as a controller, please consult the documentation of your application for configuration information.*



**Eclipse MX Mode Select DIP Switches**

Mode	Faders	Switch 4	Switch 3	Switch 2	Switch 1
Avid	1-8	On (Down)	Off (Up)	Off (Up)	Off (Up)

### DIP Switch Settings in Standalone Mode

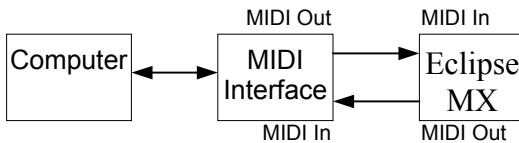
*Note: The DIP Switches are read when the unit is powered on. If the states of the DIP Switches are changed, you must power cycle the Eclipse MX before the changes take effect.*



## Connecting the Eclipse MX

Connecting an Eclipse MX expander to your computer is straightforward. Simply connect the MIDI Input and MIDI Output ports on the Eclipse MX to the MIDI Input and MIDI Output ports on the computer. Avid's video editing software supports only one Eclipse MX controller.

1. Connect the Eclipse MX to the MIDI Port on the computer.
2. Connect the included power supply to the Eclipse MX.



*Note: The Expansion Slot is not used in this version of the product. Do not install any interface card in this slot.*

## Configuring the Host Application

To configure and use the Eclipse MX with the host application, please refer to applications documentation.

## **Care and Service**

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

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. Please refer to the JLCooper Electronics Limited Factory Warranty on the following page for detailed warranty and service information.

# RoHS Statement of Compliance

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16 September 2009

Re: Eclipse MX

This is a declaration that the items described (herein as RoHS "Class 1") do not contain one or more than one:

RoHS restricted substances above the homogeneous material concentration limit (Threshold Level) per the EU/RoHS directive effective July 1, 2006 and amending document(s).

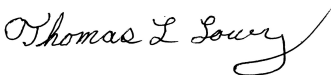
JLCooper Electronics products will meet MIL-I 45208. The Company is currently implementing procedures for ISO 9000:2000, after which feasibility research will begin for ISO 14000 considerations.

RoHS Class 1 OEM Products:

<b>Hazardous Substance</b>	<b>Allowed PPM Level</b>
Cadmium (Cd)	100ppm (0.01%)
Lead (Pb)	1000ppm (0.1%)
Mercury (Hg)	1000ppm (0.1%)
Hexavalent Chromium (CrVI)	1000ppm (0.1%)
Polybrominated Biphenyl's (PBB's)	1000ppm (0.1%)
Polybrominated Diphenyl Ethers (PBDE's)	1000ppm (0.1%)

Supplier evidence of compliance on file meets or exceeds trace ability requirements of ISO 9000:2000. Where feasible, JL Cooper seeks suppliers with ISO 9000:2000 Quality and ISO 14000 Environmental Certification.

Sincerely,



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Thomas L. Lowry  
Quality Assurance Department

# **Declaration of Conformity**

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JLCooper Electronics declares that the product named below conforms to:



**Low Voltage Directive (LVD) 2006/95/EC**  
(Superceded LVD73/23/EEC) on 16th January 2006.

**Low Voltage Directive (LVD) 73/23/EEC**  
(Directive 73/23/EC has recently been the subject of a codification, requiring a new number)

## **Eclipse MX**

***Warning:** The installer is responsible for protection against personal contact with all live connections to power supplies, which contain hazardous voltages.*

**Company Address:**  
142 Arena Street  
El Segundo, CA, 90245 U.S.A.

**Product Name:** Media Command Station  
**Product Type:** Multimedia Controller  
**Model Number:** Eclipse MX  
**Date of Issue:** 16 September 2009

**Authorized by:** Thomas L Lowry

**Title of Authority:** Quality Assurance  
**Declaration Reference:** CE/EEC2007TLL

# **JLCooper Electronics Factory Warranty**

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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.

THE DURATION OF ANY OTHER WARRANTIES, WHETHER IMPLIED OR EXPRESS, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. JLCOOPER HEREBY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO: LOSS OF TIME, INCONVENIENCE, DELAY IN PERFORMANCE OF THIS WARRANTY, THE LOSS OF USE OF THE PRODUCT OR COMMERCIAL LOSS, AND FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY APPLICABLE TO THIS PRODUCT. JLCOOPER SHALL NOT BE LIABLE FOR DAMAGES OR LOSS RESULTING FROM THE NEGLIGENT OR INTENTIONAL ACTS OF THE SHIPPER OR HIS CONTRACT AFFILIATES. THE CUSTOMER SHOULD CONTACT THE SHIPPER FOR PROPER CLAIMS PROCEDURES IN THE EVENT OF DAMAGE OR LOSS RESULTING FROM SHIPMENT. THIS WARRANTY SHALL BE GOVERNED BY THE LAWS OF THE STATE OF CALIFORNIA.