

# ECLIPSE<sub>CX</sub>

**Midnight Finish**

*Color Grading Control Surface*



Users Manual








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*Eclipse CX User's Manual, First Edition  
Part Number 932113*

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## **Introduction**

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The EclipseCX Midnight is a tactile control surface intended for color grading applications such as Apple Color.

The EclipseCX Midnight is identical to the EclipseCX with the following enhancements:

- Darker unit finish with black sides,
- White LED and VFD displays and,
- The addition of six reset pushbutton switches next to the high resolution encoders above the trackballs.

The unit features a 10/100 RJ-45 Ethernet connector and a DC power jack. The unit can be power from the supplied power adaptor or powered from 12 volts DC. LED indicators show status of Ethernet activity.

# Installation

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## Unpacking

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

- EclipseCX Midnight
- This Users Manual
- Power Supply
- Power Cord

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

## Connecting the Eclipse CX

Connecting the Eclipse CX is quite straightforward. The Eclipse CX typically connects to any 10baseT or 100baseTX Ethernet network.

1. Connect the Eclipse CX to the Ethernet network
2. Connect the included power supply to the Eclipse CX.

# Configuring the Eclipse CX

Before using the Eclipse CX, it must be configured properly.

To set initialize the Eclipse CX to factory defaults, perform the following steps:

1. Holding the Up and Down buttons,
2. switch the Power switch on,
3. release the Up and Down buttons.

The factory defaults are:

IP Address	192.168.254.101
Subnet Mask	255.255.255.0
Gateway	192.168.254.198

To configure the IP address of the Eclipse CX, press SHIFT and ASSIGN/UTILITY on the Eclipse CX.

To change the IP address or port of the Eclipse CX, perform the following steps:

1. While the unit is powered, hold down the SHIFT key and press the ASSIGN/UTILITY button.
2. The current IP Address will be shown in the display. If you do not wish to change this address, press ENTER.
3. If you wish to change this, press numeric pad keys. This does not scroll. If you make a mistake, press the CLEAR button once, and the current number will reappear.
4. When satisfied with the displayed value, press the ENTER key. The display will then display the Gateway value. If you don't wish to change this, press ENTER again. Press ENTER again to step past the Subnet Mask.



5. The Port number will now appear as a five-digit number. If you do not wish to change it, press ENTER. If you do wish to change it, it must be entered as a five-digit number. For instance, if you wish for port #80, you must enter 00080. If a mistake is made, press the CLEAR button once.
6. After the ENTER key is pressed this last time, the changes will be made to internal non-volatile memory, and a message will appear.

As the message indicates, the changes will not take place on the Ethernet Card until the power has been turned off and back on.

If you cannot access the Eclipse CX, please refer to the troubleshooting section.

## **Configuring the Host Application**

Now that the IP settings of the Eclipse CX have been set, the host application must be configured to connect to the Eclipse CX.

To configure Apple Color to connect to the Eclipse CX, refer to Appendix C, “Setting Up a Control Surface“ in the Apple Color User Manual.

## **Using the Eclipse CX**

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

# Technical Reference

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## **Ethernet Interface**

The Ethernet Interface is intended for operation with a host computer. It provides the advantages of a standard interface, long cable runs, use over private/public/wired/wireless networks, the ability of being shared among computers and the ability to work with any platform that supports TCP/IP.

The Ethernet interface in the Eclipse CX is a standard auto switching 10baseT/100baseTX, twisted pair interface with an RJ-45 connector. Use a straight through cable to connect the Eclipse CX to an Ethernet hub or switch. Use a crossover cable to connect the Eclipse CX directly to a host computer.

## **Power**

The Eclipse CX requires a 12 volt DC power supply capable of delivering at the minimum, 5 amps. The unit comes with a power supply (JLCooper part number 561024-3). If you need a power supply specific to your location, please contact your local distributor or JLCooper Electronics.

*Warning: using a power supply other than, the unit specified could result in damage to the Eclipse CX and/or other equipment, which is not covered by the JLCooper Factory Warranty.*

## **Troubleshooting**

If for some reason the Eclipse CX does not give you the expected results, take a moment to do some investigating. The most important concept is that you have your Eclipse CX 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](http://www.jlcooper.com)) will contain current information on drivers, applications and troubleshooting.

Below are listed some possible issues and solutions.

**Issue**

Can't connect to Eclipse CX with the host software through an Ethernet hub or switch.

**Cause**

Eclipse CX not properly connected to ethernet hub or switch.

**Solution**

Connect Eclipse CX to ethernet hub or switch with a straight through cable not a crossover cable.

**Issue**

Can't connect to Eclipse CX directly to my computer with the host software.

**Cause**

Eclipse CX not properly connected to PC.

**Solution**

Connect Eclipse CX to ethernet port on your PC with a crossover cable not a straight through cable.

**Issue**

Can't connect to Eclipse CX with the host software.

**Cause**

Ethernet settings on Eclipse CX and computer are not compatible.

**Solution**

Set the ethernet settings on your Eclipse CX and PC to work together.

For example, with the Eclipse CX factory defaults of:

IP Address	192.168.254.101
Subnet Mask	255.255.255.0
Gateway	192.168.254.198

Set your PC ethernet settings to:

IP Address	192.168.254.nnn
Subnet Mask	255.255.255.0

nnn is anything except 101

*Note: You can verify that the computer can communicate with the Eclipse CX by pinging the Eclipse CX. In Windows, click Start | Run... and type: ping 192.168.254.101. If everything is configured correctly, the Eclipse CX will reply.*

**Issue**

I still can't connect to Eclipse CX with the host software.

**Cause**

There may be another device on the network that uses the same address as the Eclipse CX.

**Solution**

Change the IP address of the conflicting device or remove the conflicting device.

**Issue**

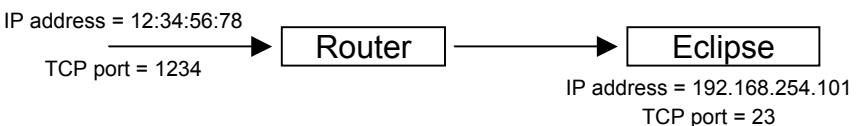
Can't connect to Eclipse CX with the host software behind a router.

**Cause**

An ethernet router may block and/or translate ethernet traffic.

**Solution**

Ask your network administrator for assistance. If the Eclipse CX is set as a server and is behind a router, you will need to perform port forwarding. Configure your router to forward TCP traffic on one port to the IP address and port number of your Eclipse CX. You will also need to configure the Eclipse CX gateway address to match the routers address.



If all else fails, you can contact the JLCooper Service Department at: [service@jlcooper.com](mailto:service@jlcooper.com).

## **Care and Service**

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

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 CX. 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, earthquakes, fire, civil unrest, war, terrorism, etc.

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