

# ES-450SP USB

USB Tactile Control Surface



Operations Manual








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*ES-450SP USB User's Manual, First Edition  
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## *Table of Contents*

<b>Introduction</b> .....	<b>5</b>
<b>Connecting</b> .....	<b>6</b>
<b>JLCooper Electronics Limited Factory Warranty</b> .....	<b>7</b>

# Introduction

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The ES-450SP USB is a compact controller for video editing applications. The ES-450SP USB is a companion product to software based applications.

ES-450SP USB features include durable transport buttons, professional Jog/Shuttle Wheel for convenient picture search operations, an easy to read 16 character LCD display and an integrated data and power cable to minimize desktop clutter.

# Connecting

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Connecting the ES-450SP USB is straightforward. Simply connect the ES-450SP USB to a free USB port on your computer. The ES-450SP USB is powered from the USB port. The ES-450SP USB should be plugged into a self powered hub.

Windows XP SP2 and later, Vista and Windows 7 include drivers that allow the ES-450SP USB to appear as a virtual serial port. Drivers for other operating systems can be obtained from:

<http://www.ftdichip.com/Drivers/VCP.htm>

To configure the ES-450SP USB to operate with a specific software application, refer to the setup documentation for that software application.

## **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, duties, customs, brokerage and other fees to and from JLCooper are not covered by this warranty. JLCooper's normal repair turn around time at the factory is approximately 10 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 representative at the time the return authorization is issued. This warranty provides only the benefits specified and does not cover damage, defects or repairs needed as result of acts beyond the control of JLCooper including but not limited to: abuse, damage by accident or negligence, damage from using incorrect power supply, modification, alteration, improper or abnormal use, unauthorized servicing, tampering, ingress of foreign matter 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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