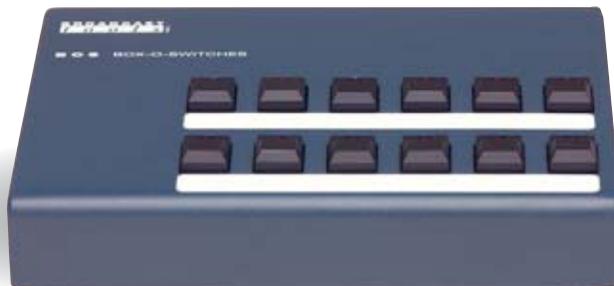


# BROADCAST<sup>®</sup> tools INC

## *Installation and Operation Manual*



### **Box-O-Switches**

Manual Update: 09/23/2005

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## INTRODUCTION

Thank you for your purchase of a Broadcast Tools, Inc., Box-O-Switches. We're confident that this product will give you many years of dependable service. This manual is intended to give you all the information needed to install and operate the unit.

## SAFETY INFORMATION

Only qualified personnel should install Broadcast Tools® products. Incorrect or inappropriate use and/or installation could result in a hazardous condition.

## WHO TO CONTACT FOR HELP

If you have any questions regarding your product or you need assistance, please contact your distributor from whom you purchased this equipment.

If you would like more information about Broadcast Tools® products, you may reach us at:

**Broadcast Tools, Inc.**  
131 State Street  
Sedro-Woolley, WA 98284-1540 USA  
Voice: 360 . 854 . 9559  
Fax: 866 . 783 . 1742

Internet Home Page: [www.broadcasttools.com](http://www.broadcasttools.com)  
E-mail: [support@broadcasttools.com](mailto:support@broadcasttools.com)

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by American Workers



**Broadcast Tools®** Products, as with any electronic device, can fail without warning. Do not use this product in applications where a life threatening condition could result due to failure.



This manual should be read thoroughly before installation and operation.

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## INSTALLATION

The Box-O-Switches is equipped with twelve form A dry contacts and associated LED's with current limiting resistors designed to operate between 5 and 24 vdc.

**NOTE: Polarity must be observed.**

Installation is simple. Use a Phillips head screw driver to remove the four screws from the bottom plate and feed your cable through the access hole in the rear of the chassis. The next step is to strip off 1/8" of the insulation from each wire, insert the wire into the wire captive terminal and tighten each screw snugly. Each switch is labeled as follows:

SW1	=	Switch # 1, two contacts. (Top row, Far left).
D1	=	LED # 1,
A	=	Anode, plus voltage and LED # 1
C	=	Cathode, negative voltage.

**NOTE: A cable tie support may be attached to any of the six chassis screws in order to anchor your cable.**

## DESIGNATION STRIP

The designation strip is provided to write the source descriptions under each source switch.

## SPECIFICATIONS

CONNECTIONS: Rear panel wire captive terminals for all switches and LED's. (switch, 50 vdc/60 ma).

PHYSICAL DIMENSIONS: 5.25" X 5.25" X 2.0" Sloped front (WDH)

WEIGHT: 2.5 lb.

SHIPPING WEIGHT: 3.0 lb.

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### **Broadcast Tools, Inc.**

131 State Street  
Sedro-Woolley, WA 98284 • USA

360.854.9559 **voice** • 866.783.1742 **fax**  
support@broadcasttools.com **e-mail**  
www.broadcasttools.com **website**