



**BLACK BOX®**  
NETWORK SERVICES



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(ABC) Model# SW1030A

(ABCD) Model# SW1031A

(ABCDE) Model # SW1032A

(ABC Rackmount) Model# SWMD 370870

Model# SWMD0020284

## CAT6 RJ45 MANUAL SWITCH



### CUSTOMER SUPPORT INFORMATION

Order toll-free in the U.S.: 877-877-BBOX (outside U.S. call 724-746-5500)  
FREE technical support, 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
Mail order: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

## Specifications

### Connectors:

- (3) CAT6 RJ45 - A/B/C Switch (2 to 1)
- (4) CAT6 RJ45 - A/B/C/D Switch (3 to 1)
- (5) CAT6 RJ45 - A/B/C/D/E Switch (4 to 1)

**Compliance:** meets CAT6 requirements for 10GBase-T Ethernet networks

### Data Rates:

Transparent to data rates, signal levels, formats, and protocols. Support 10/100/1000 Mbit, and 10 Gbit Ethernet.

**Mean Time Between Failures:** 100,000 cycles.

**Operating Temperature:** 32 to 158°F (0 to 70°C)

**Relative Humidity Tolerance:** up to 95%, non-condensing

**Power:** Non-powered

**Size:** Tabletop enclosure - 2.75"H x 6.1"W x 6.5"D  
Rack mount enclosure - 3.5"H x 19"W x 6.5"D

**Weight:** Tabletop enclosure - 1.0 lbs.  
Rack mount enclosure - 2.5 lbs.

**Grounding:** None required

## Introduction

These high performance CAT6 RJ45 switches use push-button style selector switches and Category 6 connectors to ensure reliable operation and accurate communications of high speed Ethernet signals between the common port and the selected port.

## Installation

Locate the switch in a stable environment that is relatively free of vibration and contamination. No external power is required to operate the switch. Ethernet cables that conform to the speed of the data to be passed through the switch should be used for all connections.

Connect your host device (or shared network connection) to port C (COMMON port). Connect the different networks or Ethernet devices to the A, B (and D and E) ports on the switch. Depress the front panel push-button selector switch(es) to create a connection between port C (the COMMON port) and the desired network port.

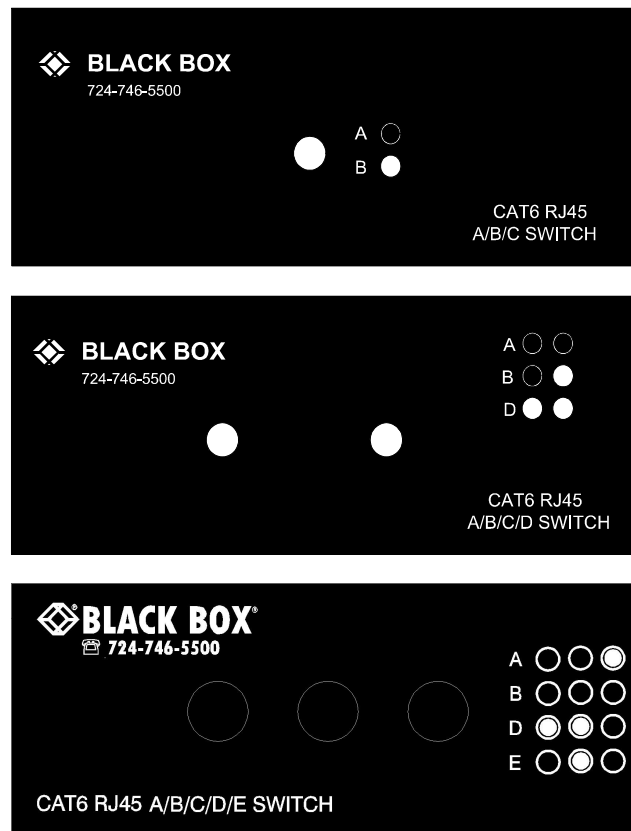
Your installation of this switch is now complete.

## Operation

Operate the switch by following the diagram on the face plate of the unit to select the port that you wish to connect to the Common port (see faceplate drawings below). Each push-button switch has an IN and an OUT position. The indicator on the button is white when the push-button switch is pushed IN, and black when it is in the OUT position. In the following diagrams, the A/B/C Switch is shown in the B position, the A/B/C/D Switch is shown in the D position, and the A/B/C/D/E Switch is shown in the B position.

Note that all possible positions for the push-button switches are not shown on the faceplate silkscreens for the A/B/C/D and the A/B/C/D/E Switches. For example, if the A/B/C/D Switch is set with the left push-button IN and the right push-button OUT, this will also connect the Common port to port A (same as both push-buttons OUT). This alternate way to select port A can be used, but is not shown to help minimize confusion.

Likewise, the A/B/C/D/E Switch has 4 additional push-button settings that are not shown on the faceplate silkscreen. These redundant positions and the port selected are: OUT/IN/IN - E, IN/OUT/OUT - B, IN/OUT/IN - A, and IN/IN/IN - D.



## Troubleshooting

There are no user-repairable components in this switch. If service or technical support is required, please contact technical support for assistance.



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