

## FCC User Information

**WARNING:** This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart B of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

## Limited Warranty

Communications Specialties, Inc. (CSI) warrants that for a period of three years after purchase by Buyer, QuadSwitch for VGA will be free from defects in material and workmanship under normal use and service. A Return Material Authorization (RMA) number must be obtained from CSI before any equipment is returned by the Buyer. All material must be shipped to CSI, Hauppauge, New York, at the expense and risk of the Buyer. Units returned to the Buyer will be shipped freight collect.

CSI's obligation under this warranty will be limited, at its option, to either repair or replacement of defective units, including free materials and labor, at its customer service facility in Hauppauge, New York. In no event shall CSI be responsible for any incidental or consequential damages or loss of profits or goodwill.

CSI shall not be obligated to replace or repair equipment damaged by fire, war, acts of God or similar causes, or equipment that has been serviced, altered, improperly installed or abused.

RMA numbers and repairs can be obtained from:

Communications Specialties Headquarters	CSPL, Singapore
Tel: (631) 273-0404	Tel: +65 6391 8790
Fax: (631) 273-1638	Fax: +65 6396 0138



## USER'S MANUAL *QuadSwitch™ for VGA*

55 Cabot Court, Hauppauge, NY 11788  
Tel: (631) 273-0404 Fax: (631) 273-1638  
www.commspecial.com

Communications Specialties Pte Ltd  
Singapore  
Tel: +65 6391 8790 Fax: +65 6396 0138

---

---

## Introduction

Thank you for purchasing this QuadSwitch for VGA 4 x 1 switcher. This product will allow you to switch any one of four VGA compatible computer outputs to one VGA monitor, display device or scan converter input.

This product is supplied with the following components:

- 1 QuadSwitch for VGA switcher
- 1 Universal input power supply
- 1 AC line cord
- 1 Phoenix connector for use with contact closure remote
- 1 User's Manual

Key features of this switcher are:

- Compatibility with all computer types and resolutions up to 1600 x 1280
- 300 MHz bandwidth
- RS-232/485 or contact closure remote control

## Installation

1. Using VGA cable, connect up to four VGA computer outputs to the four VGA IN connectors, labeled VGA 1, 2, 3 and 4, on the back of the QuadSwitch. (This may involve disconnecting any VGA monitors that are currently connected to the VGA output of any of your "source" computers.)

2. Connect your monitor, scan converter or display to the output labeled MONITOR OUT on the rear of the QuadSwitch.
3. Connect the power supply to the jack marked POWER on the rear of the QuadSwitch.
4. Plug the power supply into into a 110 Vac or 220 Vac wall outlet as appropriate. The front panel LED should glow red, indicating the unit is properly powered.
5. Turn on the computers and the monitor or display device. Use the numbered buttons on the front of the switcher to select which VGA IN (1, 2, 3 or 4) will be displayed on the MONITOR OUT.

### Remote Switching Using Contact Closures

Input switching can be accomplished through the connector labeled Remote Switch on the rear panel of the QuadSwitch. Using the pins indicated below, attach the wire you plan to use to the Phoenix mating connector provided with your QuadSwitch. A simple contact closure to ground will perform the switch.

<u>PIN (Left to Right)</u>	<u>INPUT</u>
1	#1
2	#2
3	#3
4	#4
5	Ground

### Remote Switching Using RS-232/485 Connector

Input switching can be accomplished through this connector on the rear panel using standard RS-232 or RS-485 signaling.

Only one ASCII character, corresponding to the input number to be selected, is to be sent into this port. For example, to switch to Input #3,

just send the ASCII character 3.

The default communications parameters for this port are:  
RS-232 @ 9600, n, 1, 1

The baud rate may be changed by setting an internal DIP switch as follows:

#### **Switch S5, switch positions:**

1	2	3	BAUD RATE
ON	ON	ON	2400
OFF	ON	ON	4800
OFF	OFF	OFF	9600 (default)
OFF	OFF	ON	19200
ON	ON	OFF	38400

  

4	PROTOCOL
OFF	RS-232 (default)
ON	RS-485

The pin out of the DB-9F connector on the rear panel is:

PIN	FUNCTION
1	Tied to 4 and 6
2	No connection
3	RCV data (RS-232/485)
4	DTR
5	Ground
6	DSR
7	RTS (tied to pin 8)
8	CTS
9	RCV data (RS-485 only)