

QuickSwitch® 6325R 16-Channel ST Simplex Fiber Optic A/B Switch with Telnet & GUI

- **16-Channel Fiber Optic ST Simplex A/B Switch, Single Mode**

INTRODUCTION

The QuickSwitch® Model 6325R 16-Channel ST Simplex A/B Switch with Telnet and GUI allows a device connected to the "COM" port access to the "A" or "B" port, for each channel. The Model 6325R is enclosed in a 2U, full rack size, all metal black chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack

The switch may be controlled manually via the front panel pushbuttons. Remote Control access can be accomplished using an Ethernet 10/100BASE-T connection and Telnet commands and allows the user to both control and monitor the switch position. The Graphical User Interface is also accessible through the RJ45 Remote port. The front panel LED display indicates the position for each channel and the unit power status.

FEATURES:

- Independent channel control via front panel pushbuttons or Remote Control.
- Control of the switch position from a 10/100-Base-T LAN Ethernet environment.
- Remote Control Telnet command interface or Graphical User Interface that allows the user to control switch position, lockout front panel operations, obtain switch status, as well as, query firmware version number, query serial number, and enable/disable autosend of switch positions.
- Change all 16 Channel positions, simultaneously via the GUI Global Channel Change Checkbox or Telnet Commands.
- Front panel LED's display present position for each channel as well as power status.
- All fiber signals are switched via break-before-make MEMS-based mirror/prism switch technology.
- The switch ports are transparent to all data.
- All A, B and COM ports are ST Simplex, Single mode, 9/125 micron, and support a wavelength of 1300-1550nm.
- Switch maintains position on power loss and continues to pass data.
- **Model 6325R is RoHS compliant.**



SPECIFICATIONS:

PORT CONNECTORS: (48) ST Simplex connectors (A group of three labeled A, B, and COMMON for each of the 16 channels).

REMOTE CONTROL: (1) RJ45 female connector on rear panel accepts 10/100 Base-T LAN access Ethernet for Remote Control operation.

WAVELENGTH: 1300nm-1550nm.

FRONT PANEL CONTROLS: (16) Manual pushbuttons allow independent channel control. One pushbutton per channel.

DISPLAY: (32) Red LED's indicate the position.

POWER: UL Approved 100VAC/240VAC, 50Hz/60Hz wall mount power module supplies 12 VDC, 500 mA to the unit. Has 2-prong, US, non-polarized plug.

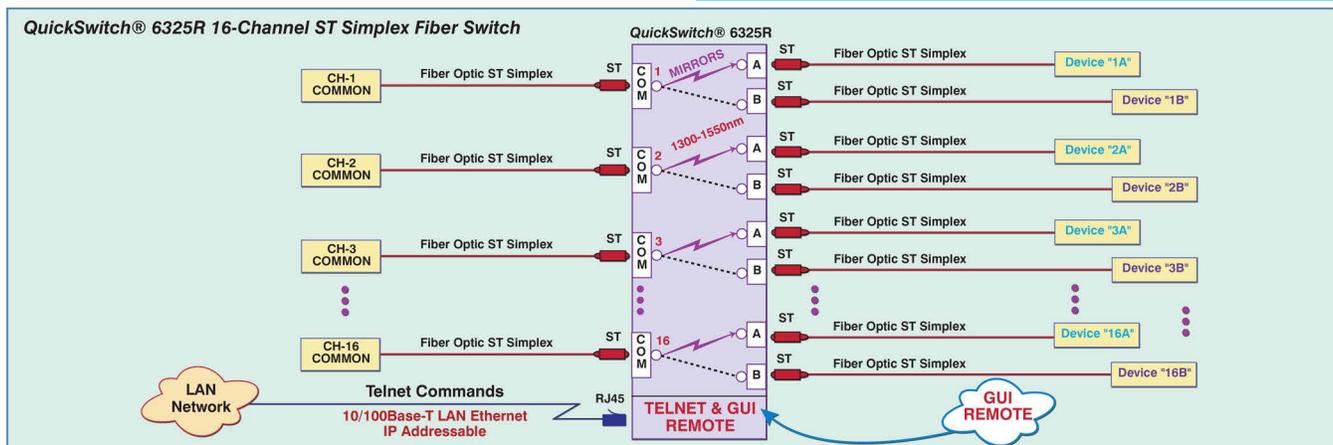
POWER: UL approved 100VAC/240VAC, 50Hz/60Hz wall mount power module supplies 12 VDC, 500 mA to the unit. Has 2-prong, US, non-polarized plug.

DIMENSIONS: 19" W x 3.5" H x 10.75" D.
(48.3 x 8.9 x 27.4 cm)

WEIGHT: 9.0 lbs. (4.1 kg)

WIDE RANGE POWER OPTION AVAILABLE:

(Cat No 517277) **CE, RoHS, and UL** listed table mount power module, 100VAC / 240VAC, 50Hz / 60Hz for use in place of standard power module that is included with the unit. Has IEC 60320 C14 inlet. **Ideal for international applications.**



UTILIZING THE USER-FRIENDLY REMOTE GRAPHICAL USER INTERFACE SOFTWARE

To connect to the switch from a workstation or computer having access to the LAN that the Model 6325R LAN port is connected to, simply launch a standard web browser and type in the appropriate IP address. The Java Applet will be automatically uploaded from the switch upon connection. The environment requirement for the GUI is Java 1.7 and above.

**10/100BASE-T LAN SETUP
Network Setup**

The switch is configured from the factory to use DHCP to automatically get its IP address from a DHCP server on the local area network when connected to the network and powered up. Therefore, a DHCP server is needed on the local area network for the initial configuration. After that, the switch can be configured to use a static IP address. To find the IP address of a switch that it has gotten from the DHCP server, or to reconfigure the IP Address of the switch, use the Lantronix® DeviceInstaller application.

Getting DeviceInstaller

DeviceInstaller requires Microsoft's .NET Framework version 4.0 or higher. If the .NET Framework is not already installed, it must first be installed. The .NET Framework can be downloaded from Microsoft's website, either as a web install, or as a standalone installation. The latest version of DeviceInstaller can be downloaded from Lantronix's website.

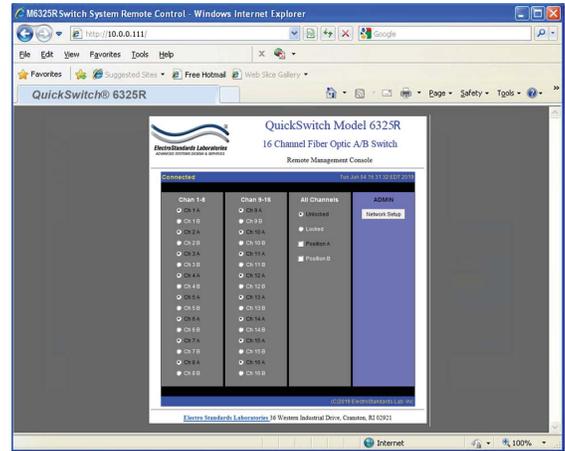
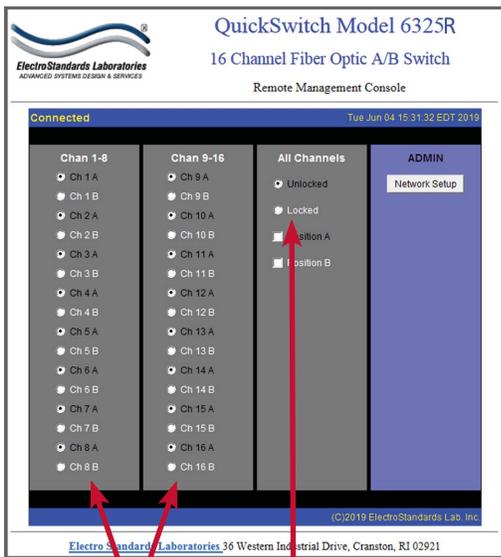


Figure 1: GUI in a Standard Web Browser

CHANGING POSITION AND LOCK STATUS

To change the switch position, click on the radio button for "A", "B", on the desired channel. Locking and unlocking the front panel pushbutton can be accomplished by clicking the "Locked" or "Unlocked" radio buttons. Global position commands can be sent to all channels simultaneously. See Figure 2.

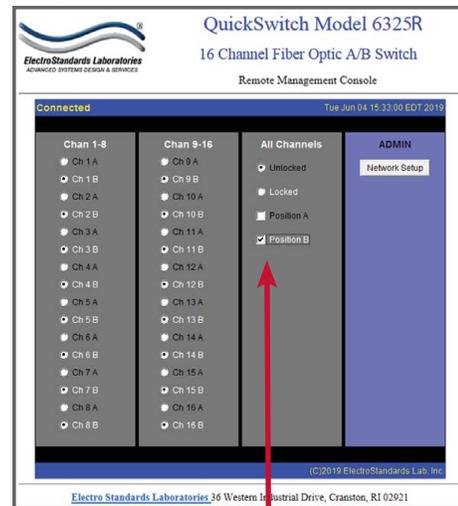


Switch position by selecting "A" or "B" for each channel. Lock and unlock the front panel operation.

Figure 2: Change the position for each channel independently, and lockout front panel operations from the GUI

QUERYING THE STATUS OF THE UNIT

Once connected, the GUI will stay up-to-date on the current position and status of the unit. Any changes that are made outside of the GUI, such as by pushbutton, will be reflected in the GUI. These changes will cause the radio buttons of the GUI to automatically change to show the new status. Note the checkbox for the **Global Channel Change** will remain checked until a channel is moved into a different state either by pushbutton or remote command, and the check will only return when the button is selected again to send a command to all channels. See Figure 3.



The Global Channel Change Checkbox selects "A" or "B" position simultaneously for all 16 channels.

Figure 3: The GUI indicates all channels were switched to position "B" simultaneously via the Global Channel Change Checkbox.