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QUICK START



GLX4000 Crossbar Switch
User Quick Start Manual

F-T-MQ-L5XL144#-A-0-A1

CURTISS WRIGHT Controls, Inc.
Embedded Computing

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QUICK START MANUAL

Introduction

This Quick Start Guide presents the basic steps to get the LinkXchange GLX4000 switch up and running. Be sure to follow each instruction carefully. If any problem or condition other than those described here is encountered, refer to the User Reference Manual.

Step 1 Unpacking



CAUTION: Exercise care regarding the static environment. Use an anti-static mat connected to a wristband when handling or installing the GLX4000.

When you unpack the GLX4000, verify the following items are present:
- Enclosure with two port card filler plates installed
- Two AC power cords
- A copy of the User Reference Manual

Save the packing materials in case you need to return the unit. If the GLX4000 was damaged in shipping, notify Curtiss-Wright Controls or your supplier immediately.

Step 2 Finding a Suitable Location And Mounting

The GLX4000 is designed to be mounted in a standard 19-inch equipment rack. It is seven inches (4U) high and 17 inches deep. Side rails (not provided) may be used if desired.

If the unit will not be rackmounted, ensure that it rests securely on a level and stable surface capable of supporting at least 43 lbs (19.5 Kg) of weight.

Ensure that airflow to and from the fans on the back of the switch is not obstructed.

Step 3: Attach Necessary Cables

Connect the two enclosed AC power cords to the power supply modules on the back of the GLX4000. Plug the cords into separate working electrical outlets. For effective power redundancy, use a separate electrical circuit for each power supply.

Connect a Category-5 (Cat5) Ethernet cable from the RJ-45 Ethernet jack on the back of the switch to an active wall jack or Ethernet switch/hub port.

Step 4: Insert Port Cards and SFP Transceivers

Port cards are purchased separately from the GLX4000 main unit. To install a port card, follow these instructions carefully, observing all static discharge safety precautions.

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1. Remove the port card filler plate from the front of the GLX4000, if necessary. To remove, loosen the retaining screw at each end of the plate.

2. Remove the port card from its protective anti-static bag.

3. Hold the card horizontally such that the SFP sockets are facing away from the switch, and the white connectors on the back of the card are facing toward the switch and extending downward.

4. Carefully align the card edges with the card guides on the inner sides of the switch.

5. Slide the card into its slot until it is fully seated. If any unusual resistance is felt, remove the card and inspect the connectors for damage.

6. Tighten the retaining screw on each end of the card's faceplate.

7. If the card has no SFP transceivers (purchased separately), or additional ones are needed, carefully slide them into the SFP sockets on the port card.

Step 5: Power On

The GLX4000 is now ready to be powered on. Flip the two power supply switches to the On position. The green power supply LEDs will illuminate and the fans will start at full speed. After about 40 seconds, some front panel indicators will light. In a moment, the **IP address of the switch will scroll across the port status indicators. Be sure to take note of this value for the next step**. It will scroll only once more, one minute later.

Within 10 seconds of the front panel lights first illuminating, the fans will reduce to a more moderate speed if the switch operating temperature is suitable.

Step 6: Communicating with the Switch

A network connection (Telnet or Secure Shell) or serial connection must be established to communicate with the GLX4000. This Quick Start Guide will explain how to connect via Telnet.

In many cases the switch will automatically obtain an IP address from the network during startup. If unable to, it will default to 192.168.2.2 (subject to change) with subnet mask 255.255.255.0. In any case, the active IP address will scroll on the port status indicators on the front panel within the first few minutes of power on. If the default address was selected by the switch, refer to the User Reference Manual for details on connecting and setting an appropriate IP address.

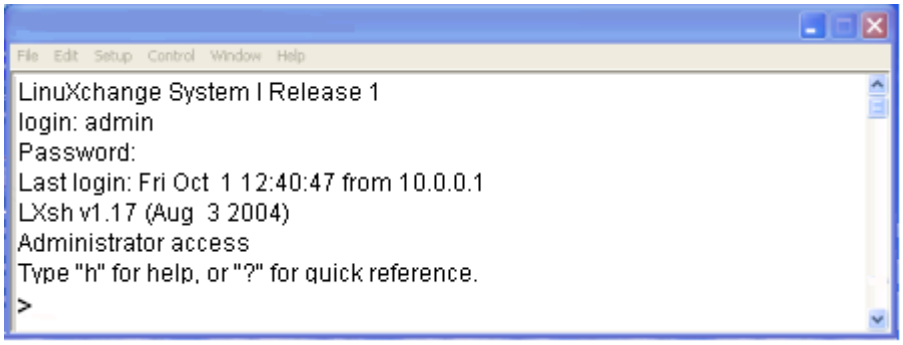
To connect, start a telnet client on a remote computer that is on the same network as the GLX4000. Be sure to give the Telnet client the correct IP address of the switch. For example, in Microsoft Windows click 'Start', then 'Run...' and type 'Telnet #.#.#.#' where #.#.#.# must be replaced with the GLX4000 IP address.

If the connection can be established, a brief identification message should appear followed by a 'login: ' prompt.

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Step 7: Authenticating

To issue commands to the switch, one of the built-in accounts must be used. For this quick start session, the `admin` account will be used. Refer to the User Reference Manual for more information on accounts. The password for the admin account is '`glx4000`'. After supplying the correct username and password, some informational lines are displayed and the command prompt ('>') appears as shown in the figure below.



Step 8: Command Information

Commands are issued from the command prompt. Refer to the online help and User Reference Manual for information on all available commands and modes of operation. To access the online help system, use the 'h' command. When finished, enter the 'exit' command to log out, or simply close the Telnet client.

Help for a specific command is displayed with 'h command' where 'command' is replaced appropriately.
(e.g., '`h al`' to display help on the '`al`' command in the list below).

Some basic command groupings are as follows:

`h`	Online help
`st`	Display the routing status of some or all ports
`al`	Set up or view Auto Loops
`cc`	Set up any type of static port connections
`oe`	Control or view the output (Tx) enable for each port

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