



**SECURELINX MANAGEMENT
APPLIANCE (SLM)**



**SecureLinX™ Management
Appliance Quick Start Guide**

LANTRONIX®



**SECURELIX MANAGEMENT
APPLIANCE (SLM)**

SLM QUICK START GUIDE CONTENTS

Overview	2
What's in the Box	2
Installing the SLM	3-4
Configuring Network Settings	5-13
Contact Information	13

OVERVIEW

Congratulations on your purchase of the SecureLinux Management Appliance (SLM), Lantronix's 'master control center' that seamlessly integrates equipment connected by console servers, KVMs, and remote power managers. Through a centralized point of access and common interface, the SLM enables you to quickly and easily access equipment anywhere in the enterprise with just a few mouse clicks.

The SLM simplifies administration by offering multiplatform client access through a standard web browser with simplified views to IT equipment. And, since user account information is maintained in one place, there is no need to maintain separate usernames/passwords for each management device. You can also use NIS, LDAP, RADIUS, Kerberos and TACACS+ remotely to authenticate users connecting to the SLM.

WHAT'S IN THE BOX

In addition to the SLM, the box contains the following items:

- Null modem DB9 serial cable
- AC Power cord
- 19-inch rack slide kit
- Documentation: Quick Start Guide and CD-ROM containing the SecureLinux Management Appliance User Guide.

INSTALLING THE SLM

Installation includes setting the SLM up in a rack and making serial console port (for initial setup only), network, and power connections.

TO INSTALL THE SLM:

1. Mount the unit in a 19-inch rack.

Warning: *Be careful not to block the air vents on the front and back of the unit. If you mount the SLM in an enclosed rack, we recommend that the rack have ventilation to provide adequate airflow through the unit.*

2. For initial setup, connect the null-modem serial cable provided to the SLM.

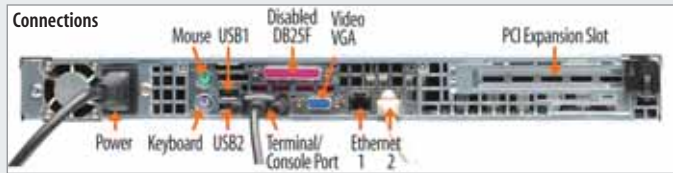
The SLM console port (RS-232C) defaults to 9600 bps, no parity, 8-bits, 1 stop bit (9600-N-8-1), no flow control and supports VT100 emulation.

3. Connect the network port using a standard RJ45-terminated Category 5 cable. The SLM has two network ports, both supporting 10/100/1000 Base-T.

4. Connect the power cord and apply power. The SLM has a universal auto-switching AC power supply. The power supply accepts AC input voltage between 100 and 240 VAC with a frequency of 50 or 60 Hz. A rear-mounted IEC-type AC power connector provides universal AC power input (North American cord provided).

5. Wait approximately a minute and a half for the boot process to complete.

INSTALLING THE SLM CONTINUED



BUTTONS AND STATUS LEDs

The SLM has two buttons for Power On/Off and Reset, and five LEDs on the front panel to signal information during boot-up and while the SLM is running.



SLM LED	Functions
Power	Steady green when power is on.
Hard drive	Blinking yellow when there is hard drive access (typical PC LED).
Network Port 1	Green indicates activity.
Network Port 2	Green indicates activity.
System Overheat/ Fan Failure	Steady yellow if the unit overheats.

CONFIGURING NETWORK SETTINGS

Network Port 1 defaults to a DHCP-assigned IP address. If you want to assign a different IP address, it must be within a valid range, unique to your network, and with the same subnet mask as your workstation.

To configure the SLM, you need the following information:

IP address (if not already assigned): _____ . _____ . _____ . _____

Subnet mask (if not already assigned): _____ . _____ . _____ . _____

Gateway: _____ . _____ . _____ . _____

Note: For access to the SLM behind a firewall, the following ports must be opened:

- Port 22 (SSH)
- Port 80 (HTTP)
- Port 443 (HTTPS)

USING QUICK SETUP ON THE COMMAND LINE INTERFACE

To assign an IP address, connect a terminal or a PC running a terminal emulation program (VT100) to access the command line interface. (See Installing the SLM for serial port defaults.)

To use the command line interface Quick Setup script:

1. With a serial terminal connection, power up the SLM. When the command line displays, press **Enter**.
2. Type **sysadmin** (all lowercase) as the user name and press **Enter**.
3. Type **PASS** (all uppercase) as the password and press **Enter**. The first time you log in, a prompt asks whether you want to do the quick setup. Type **yes** and press **Enter**.

Note: To run the script again, type `admin quicksetup`.

CONFIGURING NETWORK SETTINGS CONTINUED...

4. Enter the following information at the prompts:

Note: To accept a default or to skip an entry that is not required, press Enter. We recommend that while you are logged in, you change the default password to prevent access by unauthorized personnel.

Configure Port 1 or 2

Select one of the following:

<1> **obtain IP Address from DHCP:** The unit acquires the IP address and gateway from the DHCP server. This is the default setting.

<2> **obtain IP Address from BOOTP:** Permits a network node to request configuration information from a BOOTP "server" node.

<3> **static IP Address:** You must assign a static IP address manually. The administrator generally provides the IP address.

Note: Network port 1 is 10/100/1000Base-T, while network port 2 is 10/100Base-T.

IP Address (if specifying)

An IP address that will be unique and valid on your network and in the same subnet as your PC.

Note: Enter all IP addresses in dot-quad notation.

Subnet Mask (if specifying an IP address)

The subnet mask specifies the network segment on which the SLC resides.

Default Gateway

IP address of the router for this network.

Hostname

The default host name is **SLM**. The host name can be a short host name or a fully qualified domain name.

Time Zone

If the time zone displayed is incorrect, enter the correct time zone and press **Enter**.

Date/Time

If the date and time displayed are correct, type **n** and continue. If the date and time are incorrect, type **y** and enter the correct date and time in the formats shown at the prompts.

CONFIGURING NETWORK SETTINGS CONTINUED...

Sysadmin password

Enter a new **sysadmin** password. It can have up to 128 characters and is case sensitive.

Once you complete the Quick Setup script, the changes take effect immediately.

Notes:

- For general command line interface help, type **help** at the command line.
- For help with a specific command, type **help** followed by the command, for example, **help set network**.

Completed Quick Setup

```
Configure Port 1 or 2: [1] 1
Configure Port 2: (1) obtain IP Address from DHCP
                  (2) obtain IP Address from BOOTP
                  (3) static IP Address (172.19.215.222)

Enter 1-3: [3] 3
Enter IP Address: [172.19.215.222] 172.19.215.201
Enter Subnet Mask: [172.19.215.50] 255.255.0.0
Enter gateway IP Address: [172.19.0.1]
Specify a hostname: [SLM]

_____
Time Zone
The current time zone is 'US/Pacific'.
Enter time zone: [US/Pacific]

_____
Date/Time
The current time is Fri Aug 5 07:06:57 2005
Change the current time? [n]

_____
Sysadmin Password
Enter new password: [<current password>]
```

CONFIGURING NETWORK SETTINGS CONTINUED...

USING THE WEB INTERFACE

Once the SLM has an IP address, you can use the web interface to configure required settings.

To log in to the web interface:

1. Open a web browser (Netscape Navigator 6.x and later or Internet Explorer 5.5 and later with JavaScript enabled).
2. In the URL field, type **https://** followed by the IP address of your SLM.
3. Log in as the system administrator (default user name **sysadmin** and password **PASS**). The SLM home page opens.

SLM Home Page



CONFIGURING NETWORK SETTINGS CONTINUED...

To enter required settings for one network port:

1. On the menu (in the pane on the left), click **Configuration** → **Network Settings**. The following page opens:

Network - Settings Page



2. Enter the following information:

Network Port 1 Network Port Settings

Disabled: This is the default setting for Network Port 2.

CONFIGURING NETWORK SETTINGS CONTINUED...

Obtain from DHCP: Acquires IP address, subnet mask, and gateway from the DHCP server. (The DHCP server may provide the gateway, depending on its setup.) This is the default setting for Network Port 1. If you select this option, skip to step 3.

Obtain from BOOTP: Lets a network node request configuration information from a BOOTP "server" node. Skip to step 3.

Specify: Requires you to assign a static IP address manually. The administrator generally provides the IP address.

IP Address (if specifying)

An IP address that will be within a valid range, unique to your network, and in the same subnet mask as your PC.

Note: Enter all IP addresses in dot quad notation.

Subnet Mask (if specifying)

The network segment on which the SLM resides.

3. To save your entries, click **Apply**. Clicking **Apply** commits these changes immediately.

To enter gateway information:

1. On the Network – Settings page, click the **Gateways** tab. The following page opens:

Network Settings - Gateway



CONFIGURING NETWORK SETTINGS CONTINUED...

2. Enter the following:

Default

IP address of the router for this network.

If this has not been set manually, any gateway assigned by DHCP for Network Port 1 or Network Port 2 displays.

All network traffic that matches the Network Port 1 IP address and subnet mask goes out Network Port 1. All network traffic that matches the Network Port 2 IP address and subnet mask goes out Network Port 2.

If you set a default gateway, the SLM sends any network traffic that does not match Network Port 1 or Network Port 2 to the default gateway for routing.

DHCP Acquired (view only)

Gateway assigned by DHCP for Network Port 1 or Network Port 2. The default setting is None.

Precedence

Indicates whether a gateway assigned by DHCP or the default gateway takes precedence. The default setting is **DHCP Gateway**. If you select **DHCP Gateway**, and both network ports are configured for DHCP, the SLM gives precedence to the Network Port 1 gateway.

3. To save your entries, click the **Update** button.

Note: You have configured the settings required to get the SLM up and running. To complete the network configuration, see the SLM User Guide.

CONFIGURING NETWORK SETTINGS CONTINUED...

To set the local date, time, and time zone:

1. On the menu, click **Configuration**→**Services**→**Date & Time**. The following page opens:

Date & Time Page



2. Specify the current date, time, and time zone, or select **Enable NTP** to synchronize with an NTP server on your network.

To change the administrator password:

Change the default password as soon as possible to prevent access by unauthorized personnel. Subsequent logins require the username **sysadmin** and the new password to log in as system administrator.

CONFIGURING NETWORK SETTINGS CONTINUED

1. On the menu, click →**Accounts**→**Administrators**→**sysadmin**.
The following page opens:

Account Page for sysadmin



2. Enter the new administrator password in **Password** and **(Retype)**, and click the **Update** button. The password can have up to 128 characters and is case-sensitive.

CONTACT

For questions and technical support, please check our online knowledge base at www.lantronix.com/support

Lantronix
15353 Barranca Parkway, Irvine, CA 92618, USA
Phone: (949) 453-3990 or Fax: (949) 453-3995
www.lantronix.com