

SIEMENS

Sentinel License Manager

PLEASE READ FIRST

Sentinel License Manager SETUP must be executed on the Windows NT CPU that will be acting as the license server in order for Sentinel License Manager to be installed correctly. That is, you must execute the program on the same physical machine that will be attached to the license server hardware lock.

Please note that you must have administrative privileges on the license server in order to perform this installation. If you do not have administrative privileges, installation will fail in Step 5, below.

Installing Sentinel License Manager

Network Server Installation

The Sentinel License Manager program comes on one CD.

1. Insert the supplied Sentinel License Manager installation CD in your CD reader. The installer program should start running automatically. If you have disabled the Autorun feature on your computer (or if the installer does not start for some other reason), just Explore to the x:\SentinelLicenseManager directory (where 'x' is the letter associated with your CD drive) and double-click **Setup.exe**.
2. Once SETUP is running, you will be asked to agree to the license agreement governing use of this software. If you do not wish to accept the terms of the agreement, SETUP will exit.
3. Once you have accepted the license agreement, SETUP will ask you where you wish it to install the License Manager program. Unless you have compelling reasons not to do so, we suggest that you accept the default program location.
4. SETUP will next ask you to specify a name for the program group/folder to contain the Sentinel LM icons. Again, unless you have compelling reasons not to do so, we suggest that you accept the default.
5. SETUP will now copy required files to the license server disk, and modify the registry in order to correctly install and load the driver for the hardware lock.
6. SETUP will now offer to restart your NT system. You must restart your system before you can start the license manager and/or install licenses. Restarting your system will complete your network installation.

Workstation Installation

1. After you have restarted your Network Server, you will need to go to each individual workstation that will be obtaining a license from the License Server and replace any existing copies of PTILMGMD.DLL and PTILMGMT.DLL with the version provided on Installation CD. If Network Installation, search the server for the above files and replace with files on the Sentinel LM CD.
2. IF PTILMGMD.DLL is not found, put a copy of the file found on the Installation CD in the same directory as MSUTIL19.DLL.

3. Define an environment variable called PTI_HOST and set it to @name, where 'name' is the name of the NT system that is running the LM. (Check with your network administrator if you are not sure what 'name' to use.) This environment variable can be set via WINDOWS NT Control Panel/System/Environment or in WINDOWS 95/98 via a line in the C:\AUTOEXEC.BAT file. In the latter case, the line in AUTOEXEC.BAT should read:

```
set PTI_HOST=@name
```

where 'name' is as described above.

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Speed Up Option (for Workstation Environments ONLY)

Two additional, optional variables can be set in the workstation environment, if desired to modify the way in which the workstation interacts with the license server.

```
set SLMTIMEOUT=#seconds
```

```
set SLMRETRIES=#
```

Where SLMTIMEOUT (default = 15 seconds) controls how long the PTI application should continue to look for a License Manager, and SLMRETRIES determines the number of client retries before failing. The default is 2 (meaning 3 attempts -the first packet plus 2 retries). Each retry is spaced [SLMTIMEOUT / (value of SLMRETRIES + 1)] seconds apart. You should need to use the SLMRETRIES variable only in rare cases.

Using Sentinel License Manager

Verify License Manager (LM) is Running

1. On the NT system that is running the LM, go to Control Panel and double-click the **PTILM** icon, which should bring up the PTI License Manager window. At the top right of that window there should be a short message giving the status of the LM. If you see the message **Server is stopped**, click the **Launch** button and make sure the message **Server is running** appears. If the Server will not start, make sure that the PTI-supplied gray dongle is securely attached to the first parallel port of the system that is running the LM.
2. Once the **Server is running** message appears, locate and double-click the **WlmQuery** icon in the SentinelLM folder. Then click the **Servers** button and wait for the status of the LM to be reported. **Note:** The LM must run for three minutes before any licenses are released. Therefore, if the LM has just been started, it may be necessary to wait a couple of minutes and click the **Servers** button a second (or third) time to confirm that the LM is ready to issue licenses.
3. After seeing that the LM is ready to issue licenses, click the **Clients** button in the WlmQuery window. The resulting display should show how many licenses are available and how many (if any) are in use (and by whom). **Note:** That until you install a license (see next section), no licenses will be available.

Install a License for your PTI Application

Along with the disks containing Sentinel License Manager, you received a special license code. Once you have verified that the License Manager is running, you will use this code to create a network license for your PTI application

1. On the NT system that is running the LM, go to the sentinelLM (on the Start, Programs menu) and execute the program WlmAdmin.

2. A window will appear with four boxes:

- **Key Directory:** This box is initially blank. You will need to type in the full path to the PTILIC directory. The default location is:

`C:\Program Files\PTI\Sentinel License Manager\PTILIC`

If you elected to install the license manager to a different location, you will need to correctly specify the full path to ...PTILIC

- **Host Name:** The network name of the license server machine.
- **Server Code:** A unique code associated with the hardware lock.
- **Key:** This box is initially blank. Carefully enter the license key you received from PTI into the Key box and click the **Install Key** button. If you have correctly entered the key, a license will be created for your PTI application and the server will be told that it can distribute licenses for client machines.

3. Click the **Exit** button to close the WlmAdmin program

4. Execute WlmQuery as described in the previous section and use the **Clients** button to verify that licenses are now available.

Verify the PTI Application can Obtain a License

1. Go to a WIN NT or WIN 95/98 workstation on which the PTI application has been installed. Make sure to disconnect any PTI-supplied black or green dongle that may have been attached to that system.
2. Try to start the PTI application. It may take up to 15 seconds for the program to find the LM and obtain a license.

More Information

We have included the booklet System Administrator's Guide Windows TCP/IP from Rainbow Technologies. This booklet includes detailed information on the various administrative tools that can be used to control the LM provided by PTI. Generally, the default settings for the LM are sufficient, and no changes should be needed. However, be sure to consult this booklet if you would like to modify the operation of the LM in any way!

Uninstalling Sentinel License Manager

Uninstalling the Sentinel License Manager is slightly more complicated than uninstalling the typical Windows application, due to the way that the LM integrates itself into the NT environment. Use the following steps to ensure successful removal of the LM and all its components.

Removing the Sentinel Driver

1. Execute the Sentinel Driver Setup Program, SETUPX86, which is normally located at "C:\PROGRAM FILES\PTI\SENTINEL LICENSE MANAGER\DRIVER\SETUPX86.EXE".
2. From the menu bar, select **Functions**.
3. From the Functions menu, select **Remove Sentinel Driver**. Confirm that this is what you wish to do. When you receive a message indicating that the driver has been removed, exit from this program.

Removing the Sentinel Support Utilities

Important: Before attempting to uninstall the support utilities, make sure that you have used the Control Panel PTILM applet to stop the license manager. You may not be able to remove all elements of the License Manager until execution is stopped.

1. Go to the **Start** button and select on Settings, **Control Panel**.
2. From the Control Panel, activate **Add/Remove Programs**. For best results, close the Control Panel window at this point.
3. In Add/Remove Programs, select **Sentinel License Manager** and click the **Add/Remove** button. This will remove all utilities installed by Sentinel LM SETUP program. The Control Panel PTILM applet will only be removed if you have closed the Control Panel window prior to clicking the Add/Remove button.

Cleanup

Uninstalling any windows program will leave behind any files added or changed since the time of installation. In the case of this License Manager, you will need to manually delete any license files and log files created or modified since the SETUP program was run. You do not need to remove the PTILMGMD.DLL file copied to local/network installations as part of the License Manager installation process.

