Sentinel System Driver 5.42.0 (32-Bit Windows) Readme

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Thank you for choosing Sentinel System Driver from Rainbow Technologies!

The Sentinel System Driver provides a communication path between your protected application and the Sentinel key. The driver allows multiple programs to access the Sentinel key on a multi-tasking operating system.

This release consists of the USB and parallel port driver for the 32-bit Windows platform.

This README file provides information on the product installation, features, and where to report problems.

1.0 Installing the Product

The Sentinel System Driver Installer offers many different options to control the installation, including using merge modules. For more information on these options, refer to the online guide, *SentinelDriverInstall_Start.htm.*

This section contains what you should know before you install this product as well as installation instructions.

1.1 Compatibility

The following requirement must be met on the target sytsem:

- Microsoft Windows 95/98/ME/NT/2000/XP operating system.

***Notes**: 1. To be able to use Sentinel SuperPro version 6.3 (or higher) or products protected with the same, you are required to upgrade to the latest version of the Sentinel driver.*

2. If you are upgrading from Windows 98 to 2000 or XP, you must first uninstall and then reinstall the Sentinel System Driver.

1.2 Installation Instructions

1. If you have the driver on CD, place the CD in the computer and it should automatically run the appropriate installation program. Otherwise, run *setup.exe* from the *\Windows 32-bit* directory of the driver media. If setup detects an older version of the Sentinel System Driver, you will be prompted to confirm an upgrade.

***Warning!** When you run the setup program, it will automatically update your version of the Windows Installer if necessary. It will not provide any prompts before doing this. If you are not sure you*

want to update the Windows Installer, do not run this program. Also,please make sure to remove any media that contains Installer program for ***Sentinel System Driver v5.41.x***

Note: *If you are installing Sentinel System Driver on a SMP system, then the USB driver v5.42.0 will be installed, which is not WHQL certified. In this case, before installing, the OS will prompt you, whether to continue installing the uncertified driver. On non-SMP systems, however, the WHQL certified USB driver v5.41.0 will be installed.*

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2. Select either the **Complete** or a **Custom** installation. **Complete** will install both the parallel and USB drivers (as long as your system supports it) with all the necessary help files. For either installation, if your operating system does not support USB, the installer will not install it even if you select it.
3. Follow the instructions shown by the installer. When complete, you may be prompted to reboot depending upon the operating system and the configuration of your computer.

1.3 Using the Driver Configuration Program

The driver configuration program— *SetupSysDriver.exe*—is located in the *C:\Program Files\Rainbow Technologies\Sentinel System Driver* directory unless you change the target directory during installation. Double-click it to run. When you run it, a window will come up giving you a few configuration choices.

If you only have the USB driver installed, the configuration program will not detect the USB driver if no USB key is plugged in. This is because the plug-n-play USB driver is only loaded when a key is plugged in. This differs from the parallel driver, which is always loaded after it is installed—so the configuration program should always detect its presence.

1.3.1. Add/Repair/Remove Installation

If you select this option, the installer will run the Windows Installer for the Sentinel System Driver and allow you to modify components, repair the installation, or remove the installation. This option is the same as going to the **Add/Remove Programs** under **Control Panel** and selecting the **Sentinel System Driver 5.42.0 (32-bit)**. If the driver configuration program does not detect the installed driver, you can point it to the *Sentinel System Driver 5.42.0 (32-bit).msi* file that was used to install the driver originally. This should be located with the driver media you received when you installed the driver.

1.3.2. Configure Driver

The **Configure Driver** option allows you to manually configure the parallel ports used by the Sentinel System Driver. In general, the driver is able to automatically detect your parallel ports and does not need to be set up manually. However, in some cases manual modifications are required. Any changes to the ports could potentially cause the driver to fail. For more information on changing the ports and various options, click the **Help** button.

1.3.3. Start/Stop NT Parallel Driver

The **Start/Stop NT Parallel Driver** option allows you to start and stop the NT parallel driver. This also works in Windows 2000 (sometimes referred to as Windows NT 5.0) and XP. Use this option to manually cycle the driver. This option has no effect on the USB driver, which is automatically stopped and started whenever a key is removed or inserted.

1.4 Modify/Repair/Removal Instructions

1. Point to **Start > Settings > Control Panel > Add/Remove Programs**. Double-click it to view the list of software programs installed on your system.
2. Double-click **Sentinel System Driver 5.42.0 (32-bit)**. The installer will display options to modify, repair, or remove the installation.
3. Select the option you want and follow the instructions shown.

2.0 New Features in This Release

None.

2.1 Problems Corrected in This Release

- USB Driver issue due to which multi-threaded applications were causing 100% CPU load on multi-processor system when accessing USB key continuously has been fixed in this release.
- This release fixes the problem when the driver installed using legacy installer caused the Add/Remove program screen freeze while uninstalling the driver.

3.0 Known Issues

- The Sentinel USB driver is not supported on Windows 95.

4.0 Where to Go Next?

- For information on including the Sentinel System Driver in your own product installation, and on using the Windows Installer merge modules—see the online installation guide, *SentinelDriverInstall_start.htm*.
- The installation procedure of Sentinel System Driver for non-Windows Installer-based installation programs is discussed in the *readme.txt* file in the *\Windows 32-bit\Legacy* subdirectory.

5.0 Technical Support Contact Information

Rainbow Technologies is committed to support Sentinel System Driver. If you have questions, need additional assistance, or encounter a problem, please contact Rainbow Technologies Technical Support using one of the methods listed in the following table:

Rainbow Technologies Technical Support Contact Information

Corporate Headquarters North America and South America	
	Rainbow Technologies North America
Internet	http://www.rainbow.com/support.html
E-mail	techsupport@irvine.rainbow.com
Telephone	(800) 959-9954 (Monday – Friday, 6:00 a.m. – 6:00 p.m. PST)
Fax	(949) 450-7450
Australia and New Zealand	
E-mail	techsupport@au.rainbow.com
Telephone	(61) 3 9820 8900
Fax	(61) 3 9820 8711
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Countries not listed above	
Please contact your local distributor for assistance.	

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