Troubleshooting Guide

English

Dongles

for Preps, Synapse UpFront, Pandora, and TrapWise

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Troubleshooting Dongles

This document is designed to assist Creo personnel and Creo's business partners in troubleshooting dongle (also called *hardware key*) and licensing problems with Preps®, TrapWise®, Synapse® UpFront®, and Pandora® software. This document is not intended for public distribution.

The most common causes of dongle issues are missing or disabled drivers and incorrect installation of the dongle or software, or both. Before you start to diagnose a dongle issue, it is helpful to have some background information ready:

- Product—Preps, TrapWise, Synapse UpFront, or Pandora
- Product version number
- Dongle serial number —include prefix and numbers
- Type of dongle—Sentinel™ SuperPro™ parallel, USB iKey™ (blue), Eve3™ (purple), or ADB
- Platform and operating system— Windows® 2000, Windows XP, Windows Server™ 2003, Windows NT® (NT is no longer supported), or Macintosh® and Mac OS® version number
- Type of product—demo, eval, real
- Expiration date—eval versions only
- Detailed description of the actions taken before the dongle-related problem occurred, including the exact error message—for example, a user might have "...installed Preps, inserted the dongle, started Preps, entered the password, restarted Preps, and then received this error message: *xxx*."

Dongle and Product Versions

Use this chart to verify that the correct dongle is installed for the product version.

Product	Platform	Version	Dongle Type
Preps	Windows	3.7 and earlier	parallel
		4.0 and later	parallel iKey
	Mac	3.5 and earlier	ADB
		3.6 and later	ADB USB Eve3
		4.0 to 4.2.3	ADB USB Eve3 iKey
		5.0 and later	USB Eve3 (Mac OS X version 10.3 only) iKey
TrapWise	Windows	2.5 and earlier	parallel
		3.0 and later	parallel iKey
	Mac	2.5 and earlier	ADB
		3.0 and later	ADB iKey
Synapse UpFront	Windows	1.0	parallel
		1.6 to 2.x	iKey Sentinel SuperPro (parallel or USB)
		3.0 and later	Sentinel SuperPro (parallel or USB)
Pandora	Windows	1.0 and later	iKey
	Mac	1.0 and later	iKey

Types of Problems

Dongle issues typically show up in one of these ways: the product runs in demo mode, an "expired evaluation" message appears, or a "problem with your dongle" message appears.

This section provides troubleshooting steps for the following categories:

- *Product runs in wrong mode*
- `Evaluation has expired` *message*
- `Problem with the dongle` *message*

A real or evaluation product runs in demo mode or does not run

Table 1: Product runs in wrong mode

Question	Answer	Action
1. Windows 2000 only: Was an iKey plugged into the computer before the software was installed?	Yes	If Windows cannot find a suitable driver when it detects a new dongle, it installs a driver for it automatically, and this is the wrong driver for Preps. Contact the Creo Response Center for instructions on removing this incorrect driver or see troubleshooting item **80413**.
	No	See Question 2.
2. Has the evaluation license expired?	Yes	Contact Creo Sales to purchase a real version or extend the eval.
	No	See Question 3.
3. Is the dongle seated correctly?	Yes	See Question 4.
	No	Turn off the computer and re-seat the dongle. USB and iKey dongles can be hot-swapped, but with ADB dongles, you *must* shut down the computer.
4. Are the correct drivers for the dongle installed and active on the computer? (See the *Dongle Drivers* section for charts that indicate the required drivers for each type of dongle.)	Yes	See Question 5.
	No	Install and activate the driver.

Table 1: Product runs in wrong mode (Continued)

Question	Answer	Action
5. Can the dongle be seen by the computer? To determine this, use the appropriate *Find Dongle* utility. On Windows 2000 or XP, you can right-click on **My Computer**, select **Properties > Hardware** tab, and click **Device Manager.** In the device list that appears, look under **Universal Serial Bus Controllers** and check whether the USB/iKey is shown with a driver associated. On Windows 2003, go to **Control Panels > Add Remove Programs** and check whether the iKey driver version 3.4.7.118 is present.	Yes	The dongle is probably locked. Return it to Creo to be unlocked.
	No	See Question 6.
6. Are there multiple dongles on the computer?	Yes	See Question 8.
	No	See Question 7.
7. Is the product serial number showing up as all zeroes?	Yes	See Question 9.
	No	See Question 8.
8. Is the wrong dongle being seen by the software? (Verify that the serial number displayed in the splash screen matches the number of the dongle.)	Yes	Shut down the computer, remove all other dongles, and re-start the computer.
	No	See Question 9.
9. If none of the above solutions fixes the problem, the dongle is probably damaged.		Return the dongle to Creo to get a replacement.

Message: `Your evaluation of Preps has expired`

Table 2: `Evaluation has expired` message

Question	Answer	Action
1. Has the evaluation really expired?	Yes	Contact Creo to purchase a real version or extend the eval.
	No	See Question 2.
2. Did the message appear the first time the software was started after it was installed and the password was entered?	Yes	The dongle might be locked. Return it to Creo to be unlocked. Prior to reinstalling the product with the now-unlocked dongle, make sure the computer is set to the correct date and time zone.
	No	See Question 3.
3. Has the clock on the computer been adjusted forward?	Yes	The dongle might be locked. Return it to Creo to be unlocked. Prior to reinstalling the product with the now-unlocked dongle, make sure the computer is set to the correct date and time zone.
	No	See Question 4.
4. If none of the above solutions fixes the problem, the dongle is probably damaged.		Return the dongle to Creo to get a replacement.

Message: `There is a problem with the dongle`

Table 3: `Problem with the dongle` message

Question	Answer	Action
Eval versions only		
1. Has the date on the computer been adjusted backward since the software was last run?	Yes	The dongle might be temporarily locked. Set the computer's clock to the date that was on the computer when the software was last run.
	No	See Question 2.
2. Was the time zone set correctly at the time the software was installed?	Yes	See Question 3 (Macintosh) or Question 4 (Windows).
	No	The default setting on Macintosh computers is for no time zone. This can cause the software to think the clock has been set to some arbitrary future date and can result in a locked dongle. If this is the case, return the dongle to Creo to be unlocked.

Table 3: `Problem with the dongle` message (Continued)

Question	Answer	Action
All versions (eval and real)		
3. Macintosh only: Is the software using an ADB dongle on a computer that has a USB port?	Yes	Preps 4.x requires a USB driver on computers with USB ports, even if it is using an ADB dongle. Install the **RainbowUSBShim** driver by doing a custom install from the Preps 4.x CD. This does not apply to Preps 5.x.
	No	See Question 5.
4. Windows only: Is the software using an iKey dongle on a computer with a parallel port?	Yes	Preps 4.x requires a Sentinel driver on computers that have parallel ports, even if Preps is using an iKey dongle. Install the **sentinel.sys** driver by doing a custom install from the Preps CD.
	No	See Question 5.
5. When the software is not running, is there a file named **SSi*xxxxx*.lock** (where *xxxxx* is the dongle number) in the application or **Support Files** folder?	Yes	If the software quits unexpectedly, it might not correctly deleting the **.lock** file. The software can fail to run until it is deleted. Delete the **.lock** file, then restart the software. If the problem persists, see Question 6.
	No	See Question 6.
6. Does re-entering the password solve the problem?	Yes	The password file might be corrupted. Delete the **SSi*xxxxx*.pwd** file (where *xxxxx* is the dongle number), and re-enter the password, either from the application or using the Licensing Utility.
	No	See Question 7.
7. Is a USB-to-ADB converter (such as Griffin Technology's iMate) being used? **Note:** USB-to-ADB converters do not work with Preps 5. There is no OS-level support for ADB.	Yes	The converters typically require a driver to work with dongles. Download and install the correct driver from the manufacturer's Web site. If the driver is already installed, see Question 8.
	No	See Question 8.
8. Are the correct drivers for the dongle installed and active?	Yes	The dongle might be damaged. Return it to Creo for a replacement.
	No	Install the driver from the CD by doing a custom install, or contact the Creo Response Center. See the charts on the following pages for the correct drivers for each product, version, and platform.

Dongle Drivers

The information in this section includes the following charts:

- *Preps 5.x dongle drivers* on page 7
- *Preps 4.x dongle drivers* on page 8
- *Preps 3.6 to 3.7 dongle drivers* on page 10
- *TrapWise 3.0 to 3.6 dongle drivers* on page 13
- *TrapWise 2.5 and earlier dongle drivers* on page 14
- *UpFront 2.0 to 3.x dongle drivers* on page 10
- *UpFront 1.6.x dongle drivers* on page 11
- *UpFront 1.0 to 1.5 dongle drivers* on page 12
- *Pandora 2.7 dongle drivers* on page 15
- *Pandora 2.5 and 2.6 dongle drivers* on page 15
- *Pandora 1.x to 2.0 dongle drivers* on page 15

Note: The correct dongle drivers for the products and platforms in this document are installed as part of the software installation. Version information is typically used if it is necessary to reinstall a driver as part of troubleshooting.

Preps

Preps 5.x

Table 4: Preps 5.x dongle drivers

Platform	Dongle Type	Driver and Version
Windows 2000	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies—now SafeNet Inc.—Sentinel driver). Make sure the port is enabled; if it is, use **Sentinel-534-setup.exe** to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)
	iKey	**Rnbtoken.sys** 1.04.0.21 (Rainbow Technologies iKey device driver) *This is the Product Version, not the File Version.* Or: **Rnbtoken.sys** 1.18.15.63—Preps 4.1 and earlier do not work with this version. This lets Preps 5.0 run when the user is not logged into Windows 2000 as administrator.

Table 4: Preps 5.x dongle drivers (Continued)

Platform	Dongle Type	Driver and Version
Windows XP- SP1	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies—now SafeNet® Inc.—Sentinel driver). Make sure the port is enabled; if it is, use **Sentinel-534-setup.exe** to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)
Windows XP-SP2, Windows 2003	iKey	**Rnbtoken.sys** 3.4.7.118 (Rainbow Technologies Virtual device driver)
	Sentinel™ parallel	**sentinel.axp** (Sentinel Protection Installer v7.1; available from SafeNet Inc. at http://www.safenet-inc.com/support/tech/sentinel.asp; otherwise, installed with Preps post-5.1.2.)
Mac OS X v10.3	USB Eve3	All drivers are installed with the Preps 5.x package.
	iKey	All drivers are installed with the Preps 5.x package.
Mac OS X v10.4	iKey	All drivers are installed with Preps 5.1.2 and later.

Preps 4.x

Table 5: Preps 4.x dongle drivers

Platform	Dongle Type	Driver and Version
Windows 95	SuperPro parallel	**sentinel.vdx** 5.38 (Rainbow Technologies Sentinel driver)
Windows 98	SuperPro parallel	**sentinel.vdx** 5.38 (Rainbow Technologies Sentinel driver)
	iKey	**Rnbtoken.sys** 1.3.0.21 (Rainbow Technologies iKey device driver) **IKEYAPIM.dll** 1.1.0.0 (Rainbow Technologies iKey API) **IKEYAPIS.dll** 1.1.0.0 (Rainbow Technologies iKey API)
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
	iKey	**UsbDrv.sys** 1.4 (USB Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub) **USBRBTKN.SYS** 1.04.0 (Rainbow Technologies iKey device driver)

Table 5: Preps 4.x dongle drivers (Continued)

Platform	Dongle Type	Driver and Version
Windows 2000	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **Sentinel-534-setup.exe** to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)
	iKey	**Rnbtoken.sys** 1.04.0.21 (Rainbow Technologies iKey device driver) *This is the Product Version, not the File Version.* *Or:* **Rnbtoken.sys** 1.18.15.63, but Preps 4.1 and earlier do not work with this version. However, this allows Preps 4.2 to run when not logged into Windows 2000 as administrator.
Windows XP (Preps 4.2 only)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **Sentinel-534-setup.exe** to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)
	iKey	**Rnbtoken.sys** 1.18.15.63 (Rainbow Technologies Virtual device driver) **IKEYENUM.dll** 1.18.15.63 (Rainbow Technologies iKey1.18.15.631.1.0.0 — iKey API DLL)
Macintosh	ADB	none
	ADB if computer has USB port	**RainbowUSBShim** n/a (Custom install USB drivers from the Preps 4.x CD)
	USB Eve3	**USBSentinel** 2.0 **RainbowUSBShim** n/a (Custom install USB drivers from the Preps 4.x CD)
	iKey	**USBToken** 2.0 **RainbowUSBShim** n/a (Custom install USB drivers from the Preps 4.x CD)

Preps 3.6 to 3.7

Table 6: Preps 3.6 to 3.7 dongle drivers

Platform	Dongle Type	Driver and Version
Windows 95/98	SuperPro parallel	none
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
Macintosh	ADB	none (might need **USBToken** on computers with USB ports)
	USB Eve3	**USBSentinel** 2.0 (might need **USBToken** on computers with USB ports)

Synapse UpFront



Note: iKey dongles are not supported on Citrix or terminal servers when running Windows 2000 Server with service pack 4. The only workaround is to use parallel dongles.

UpFront 2.0 to 3.x

Table 7: UpFront 2.0 to 3.x dongle drivers

Platform	Dongle Type	Driver and Version
Windows XP	SuperPro (parallel or USB)	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **setupx86.exe** (in the **UpFront\Sentinel\Win_nt** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual Device driver—located in **C:\\WinNT\system32**)
	iKey	**USBHUB.SYS** 5.1.2600.0 (USB Hub) Standard Windows 2000 system file. **Rnbtoken.sys** 1.18.15.63 (Rainbow Technologies iKey Device driver) **IKEYAPI.dll** 2.12.2.74 (Rainbow Technologies iKey API DLL) **iKey Driver** 3.4.2 (Rainbow Technologies iKey Device driver) Required to run UpFront as a Power User (no administrator login required) **iKey Driver** 3.4.5 (Rainbow Technologies iKey device driver) Installed by UpFront 3.0. Required to run UpFront as a Power User (no administrator login required)

Table 7: UpFront 2.0 to 3.x dongle drivers (Continued)

Platform	Dongle Type	Driver and Version
Windows 2000, XP, 2003 Server	SuperPro (parallel or USB)	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) If not installed, use **setupx86.exe** (in the **UpFront\Sentinel\Win_nt** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual Device driver—located in **C:\\WinNT\system32**)
	iKey	**USBHUB.SYS** 5.00.2195.4413 (USB Hub) Standard Windows 2000 system file. **Rnbtoken.sys** 1.18.15.63 (Rainbow Technologies iKey Device driver) **IKEYAPI.dll** 2.12.2.74 (Rainbow Technologies iKey API) **iKey Driver** 3.4.2 (Rainbow Technologies iKey Device driver) Required to run UpFront as a Power User (no administrator login required) **iKey Driver** 3.4.5 (Rainbow Technologies iKey Device driver) Installed by UpFront 3.0. Required to run UpFront as a Power User (no administrator login required)
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual Device driver—located in **C:\\WinNT\system32**)
	iKey	**UsbDrv.sys** 1.04.0 (USBAccess Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub) **usbrbtkn.sys** 1.04.0 (Rainbow Technologies iKey Device driver)

Synapse UpFront 1.6.x

Table 8: UpFront 1.6.x dongle drivers

Platform	Dongle Type	Driver and Version
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
	iKey	**UsbDrv.sys** 1.4 (USB Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub) Standard Windows 2000 system file. **USBRBTKN.SYS** 1.04.0 (Rainbow Technologies iKey device driver)

Table 8: UpFront 1.6.x dongle drivers (Continued)

Platform	Dongle Type	Driver and Version
Windows 2000	SuperPro (parallel or USB)	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) If not installed, use **setupx86.exe** (in the **UpFront\Sentinel\Win_nt** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
	iKey	**USBHUB.SYS** 5.00.2195.4413 (USB Hub) Standard Windows 2000 system file. **Rnbtoken.sys** 1.04.0 (Rainbow Technologies iKey device driver) **IKEYAPI.dll** 2.11.0.42 (Rainbow Technologies iKey API DLL)
Windows XP	SuperPro (parallel or USB)	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **setupx86.exe** (in the **UpFront\Sentinel\Win_nt** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
	iKey	**USBHUB.SYS** 5.1.2600.0 (USB Hub) Standard Windows 2000 system file. **Rnbtoken.sys** 1.04.0 (Rainbow Technologies iKey device driver) **IKEYAPI.dll** 2.11.0.42 (Rainbow Technologies iKey API DLL)

Synapse UpFront 1.0 to 1.5

Table 9: UpFront 1.0 to 1.5 dongle drivers

Platform	Dongle Type	Driver and Version
Windows 95/98	SuperPro (parallel or USB)	**sentinel.vdx** 5.38 (Rainbow Technologies Sentinel driver)
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
Windows 2000	SuperPro (parallel or USB)	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **setupx86.exe** (in the **UpFront\Sentinel\Win_nt** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)

TrapWise

TrapWise 3.0 to 3.6

Table 10: TrapWise 3.0 to 3.6 dongle drivers

Platform	Dongle Type	Driver and Version
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver—located in **C:\\WinNT\system32**)
	iKey	**UsbDrv.sys** 1.4 (USB Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub) **USBRBTKN.SYS** 1.04.0 (Rainbow Technologies iKey device driver)
Windows 2000	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **setupx86.exe** (in the **TrapWise\HardwareKeyDrivers\SuperPro** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual device driver)
	iKey	**Rnbtoken.sys** 1.04.0 (Rainbow Technologies iKey Device driver) **IKEYAPI.dll** 2.11.0.42 (Rainbow Technologies iKey API Dll)
Windows XP	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver) Make sure the port is enabled; if it is, use **setupx86.exe** (in the **TrapWise\HardwareKeyDrivers\SuperPro** folder) to install the driver. **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual Device driver)
	iKey	**TrapWise 3.6:** **Rnbtoken.sys** 1.18.15.63 (Rainbow Technologies iKey Device driver) **IKEYAPI.dll** 2.12.0.68 (Rainbow Technologies iKey API DLL) **TrapWise 3.0 to 3.5.2:** **Rnbtoken.sys** 1.04.0 (Rainbow Technologies iKey Device driver) **IKEYAPI.dll** 2.11.0.42 (Rainbow Technologies iKey API DLL)

Table 10: TrapWise 3.0 to 3.6 dongle drivers (Continued)

Platform	Dongle Type	Driver and Version
Macintosh	ADB	none
	iKey	**USBToken** 2.0 (On the TrapWise CD in the **Utilities** folder)

TrapWise 2.5 and earlier

Table 11: TrapWise 2.5 and earlier dongle drivers

Platform	Dongle Type	Driver and Version
Windows NT (no longer supported)	SuperPro parallel	**sentinel.sys** 5.34 or 5.38 (Rainbow Technologies Sentinel driver—located in **C:\\WinNT\system32\drivers**) **rnbovdd.dll** 5.34 or 5.38 (Rainbow Technologies Virtual Device driver—located in **C:\\WinNT\system32**)
Macintosh	ADB	none

Pandora

Pandora 2.7

Table 12: Pandora 2.7 dongle drivers

Platform	Dongle Type	Driver
Windows 2000, XP, 2003 Server	iKey	**Rnbtoken.sys** (Rainbow Technologies iKey device driver)
Macintosh	iKey	**USBToken** 2.0

Pandora 2.5 and 2.6

Table 13: Pandora 2.5 and 2.6 dongle drivers

Platform	Dongle Type	Driver and Version
Windows NT (no longer supported)	iKey	**USBRBTKN.SYS** 1.04.0.21 (Rainbow Technologies iKey device driver) **UsbDrv.sys** 1.060 (USBAccess Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub)
Windows 2000	iKey	**Rnbtoken.sys** 1.04.0.21 (Rainbow Technologies iKey device driver) Or: **Rnbtoken.sys** 1.18.15.63 (Rainbow Technologies iKey device driver): supported but not installed with Pandora
Macintosh	iKey	**USBToken** 2.0

Pandora 1.x to 2.0

Table 14: Pandora 1.x to 2.0 dongle drivers

Platform	Dongle Type	Driver and Version
Windows NT (no longer supported)	iKey	**USBRBTKN.SYS** 1.04.0 (Rainbow Technologies iKey device driver) **UsbDrv.sys** 1.060 (USBAccess Host Stack for Windows NT 4.0) **USBHUB.SYS** 1.00 (USB Hub)
Windows 2000	iKey	**Rnbtoken.sys** 1.04 (Rainbow Technologies iKey device driver)
Macintosh	iKey	**USBToken** 2.0