

Super Pro Net™ Network Key Installation and Operation

Installation

Overview

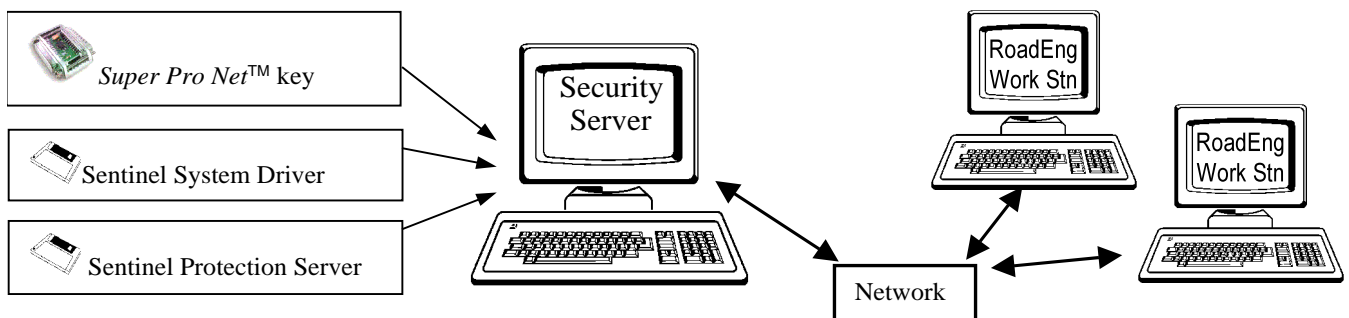
RoadEng software can be protected against unlicensed use on a network with [SafeNet's Super Pro Net™](#) hardware key. The installation of the *Super Pro Net™* key and associated software is described in this document.

Installing the network hardware key on one computer (the *security server*) allows multiple users to run RoadEng on other networked workstations. The key is programmed to allow a limited number of concurrent users.

In addition to the *Super Pro Net™* key, you will need to install supplemental software.

- *Sentinel System Driver*
- *Sentinel Protection Server*

See the diagram below:



Installation

1. **Select the *Security Server* computer.**

Choose a computer (*Security Server*) where the *Super Pro Net*[™] key will be attached (on a parallel or USB port). This computer is usually a network file server but it can be any computer that is always connected to the network.

2. **Verify Operating System(s)**

The *Security Server* must be running one of:
Windows 2000, 2003, XP or Vista.

The RoadEng Workstations must be running one of
Windows 2000, 2003, XP or Vista.

3. **Install the *Sentinel System Driver* and *Sentinel Protection Server***

The *Sentinel Protection Installer* will install both of these services. The RoadEng CD welcome screen contains a link to run this installer: *Install Security Key Drivers*. You may also download the latest installer from SafeNet here: <http://www.safenet-inc.com/support/tech/sentinel.asp> .

You only need to install this software on the *Security Server* computer; do this before you attach the key.

The *Sentinel System Driver* allows software to access the key via the parallel/USB port. The *Sentinel Protection Server* manages licenses on the key over the network.

4. **Install the hardware Key**

Attach the key to the parallel or USB port of the *Security Server* computer. A printer may be attached to the back of a parallel port key if desired.

If your computer does not have the port that matches your key, contact Softree for an exchange.

5. **Install the RoadEng software on each workstation.**

6. Setup *NetKey.ini* file

The *NetKey.ini* file tells RoadEng to look for a key on the network and where to find it. You need to edit this file and make sure it is updated on all network workstations where RoadEng is installed.

Edit the *NetKey.ini* file(s) as below:

```
[RoadEng]
NetDepartmentName=
NetKey=SuperProNet
NetKeyHost=<IP address or name of Security Server>
network=1
```

NetKey.ini can be found in the RoadEng *Configuration and Layouts* folder. The location of this folder depends on previous installations and the operating system:

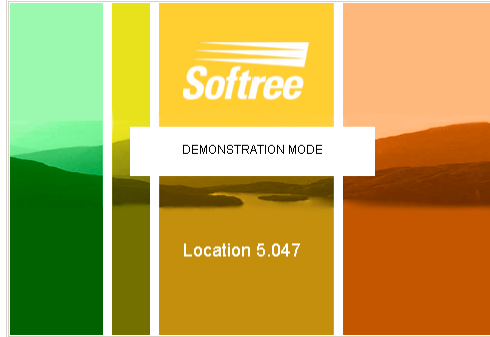
Install	NetKey.ini Folder
Version 5.0 installed over existing version 4.1 install.	C:\Program Files\Softree\RoadEng
Fresh Vista install	C:\ProgramData\Softree\RoadEng (the ProgramData folder may be hidden)
Fresh 2000, 2003 or XP install	C:\Documents and Settings\All Users\Application Data\Softree\RoadEng

In any event the *Configuration and Layouts* folder is defined in the following registry entry:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Softree\RoadEng\4.0\RoadEng\SysDIR
```

Troubleshooting

If the RoadEng software starts in *Demonstration Mode* or if it displays a *Demonstration Mode* error, the key or *Security Server software* is malfunctioning. The following items may help you pinpoint the problem.



Identifying Network Problems

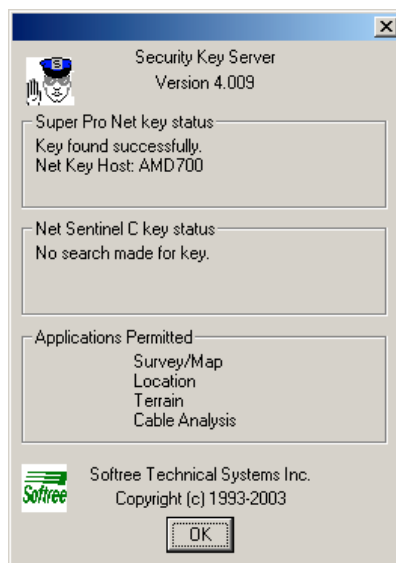
When a network problem is encountered the first step is to check to make sure the *RoadEng Net Key Server* (KeySrv32.exe) is running on the RoadEng Workstation. The *RoadEng Net Key Server* must be running for a RoadEng application to access the key over a network.

To determine if the *RoadEng Net Key Server* is running, look in the task bar for the icon shown below.



If it is not running, Network=1 is not set in your *NetKey.ini* file in the RoadEng *Configuration and Layouts* folder (see step 6 above).

A mouse click on the *RoadEng Net Key Server* icon allows you to read any error messages in the status box. Ignore messages pertaining to the *Net Sentinel C* key.



The most common causes of trouble.

1. The Workstation and Security Server are not properly connected over the network. If the network is down or malfunctioning the *Workstation* will not be able to query the key on the *Security Server* computer.
2. The key is not plugged in to the parallel/USB port of the *Security Server* computer.
3. The *Sentinel Protection Installer* has not been installed properly on the *Security Server* computer (see step 3 above). Make sure that the *Sentinel Keys Server* and *Sentinel Protection Server* services are both running. Services can be viewed from the Windows Control Panel.
4. *Network=1* is not set in your *NetKey.ini* file in the *RoadEng Configuration and Layouts* folder (see step 6 above). In this situation the RoadEng Security Key server will **not** be running on the Workstation.
5. *NetKeyHost=< IP address or name of Security Server >* has not been set in your *NetKey.ini* file in the *RoadEng Configuration and Layouts* folder (see step 6 above). For example “*NetKeyHost=192.168.0.107*”.
6. Too many people are already running RoadEng, license limit exceeded (error 70 shown in RoadEng Security Key Server status). You must wait until someone else using RoadEng relinquishes their license. See *Monitoring Key usage* below.

If you are not actively using RoadEng, save your work and exit all RoadEng modules to release your license for others to use.

7. Printer conflicts (parallel port keys only).

There is a connector on the back of parallel port keys to allow a printer to connect through the key to the parallel port. In most cases the hardware key will be transparent to the printer and vice versa.

If you are having problems, make sure the printer is **turned on** before you run the security server software. If you still have problems, temporarily disconnect the printer cable from the back of the key; if your problem is fixed, you may need to use separate ports for your printer and key. Another option is to exchange your parallel port key for a USB key (contact Softree).

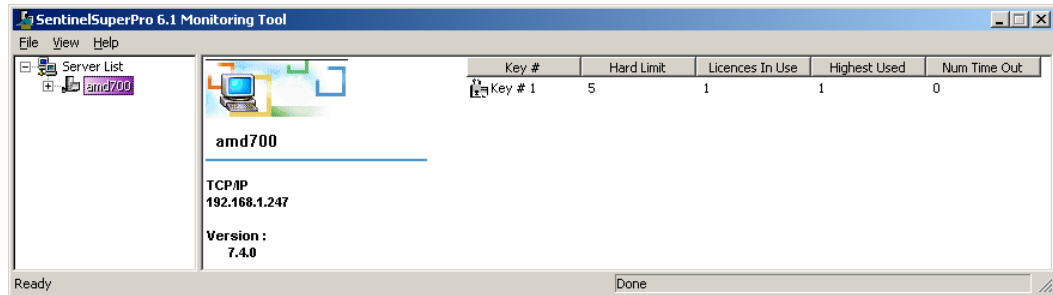
8. When All Else Fails...

There is an extensive adobe acrobat document on your release CD (*Drivers/SProNet\guide\SafeNet_Sentinel_EndUser_Guide.pdf*) that covers many topics not discussed here.

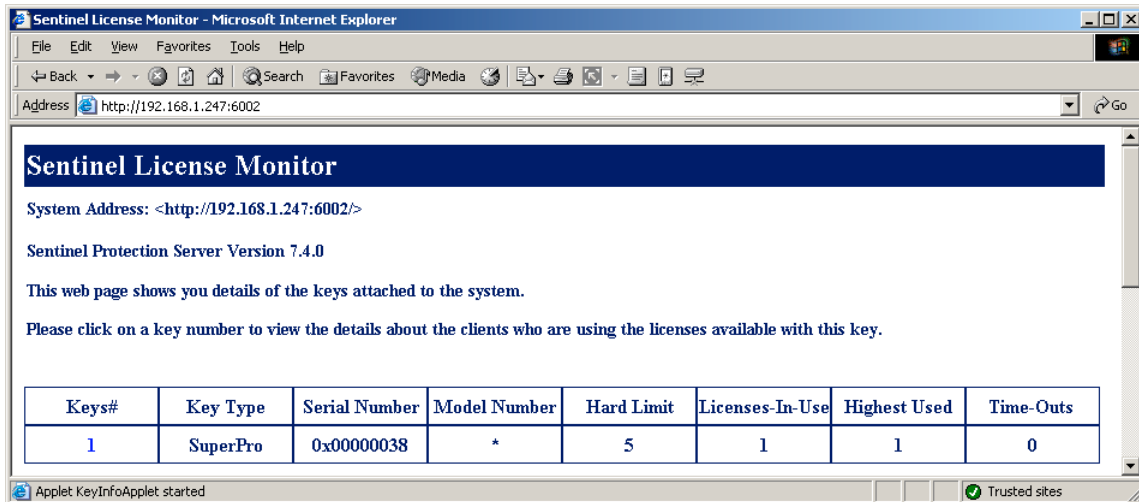
Monitoring Key usage

There are two ways to monitor key usage

1. *Drivers\SProNet\monitor\monitor.exe* is a utility that will tell you where your key is on the network (provided the security server software is running), the number of licenses on the key and how they are being used.



2. Use your browser; type the IP address of the Security Server computer followed by “:6002” (a port number) in the address bar.



Changing Network Keys and Shutting down the Security Server

Changing the Key

To change hardware keys (for example during a version upgrade), make sure no one is using RoadEng software, and simply replace the key. The server software will detect the change.

Shutting Down the Security Server

Use the Windows Control panel, *Add/Remove programs* item to remove The *Sentinel Protection Installer*.