APPENDIX A: Installing HASP Device Driver

A.1   Installing HASP Device Driver

Two versions of the HASP USB hardware key are available, HASP4 M1 for node-locked licenses (blue key), and HASP4 Net for floating licenses (red key). Before use, a device driver for the key must be installed. The latest drivers can be found at www.ealaddin.com or www.gaisler.com. If a floating-license key is used, the HASP4 network license server also has to be installed and started. The necessary server installation documentation can be obtained from the distribution CD or from www.ealaddin.com.

A.1.1   On a Windows NT/2000/XP host

The HASP device driver is installed automatically when using the HASPUserSetup.exe located in hasp/windows/driver directory the TSIM CD. It automatically recognize the operating system in use and install the correct driver files at the required location.

Note: To install the HASP device driver under Windows NT/2000/XP, you need administrator privileges.

A.1.2   On a Linux host

The linux HASP driver consists of aksusbd daemon. It is contained in the hasp/linux/driver on the TSIM CD. The driver comes in form of RPM packages for Redhat and Suse linux distributions. The packages should be installed as follows:

Suse systems:

```
rpm -i aksusbd-suse-1.8.1-2.i386.rpm
```

Redhat systems:

```
rpm -i aksusbd-redhat-1.8.1-2.i386.rpm
```

The driver daemon can then be started by re-booting the most, or executing:

```
/etc/rc.d/init.d/aksusbd start
```

Note: All described action should be executed as root.

On other linux distributions, the driver daemon will have to be started manually. This can be done using the HDD_Linux_dinst.tar.gz, which also contains instruction on how to install and start the daemon.

A.2   Installing HASP4Net License Manager

The following steps are necessary to install HASP4 Net in a network:

• Install the appropriate HASP daemon and connect the HASP4 Net key.
• Install and start the HASP License Manager on the same machine.

• Customize the HASP License Manager and the HASP4 Net client, if necessary.

A.2.1   On a Windows NT/2000/XP host

The HASP License Manager for Windows NT/2000/XP is *nhsrvice32.exe*. Use the setup file *lmsetup.exe* to install it. It is recommended that you install the HASP License Manager as an NT service, so there is no need to log in to the station to provide the functionality.

1. Install the HASP device driver and connect the HASP4 Net key to a station.

2. Install the License Manager by running lmsetup.exe from the TSIM CD and following the instructions of the installation wizard. As installation type, select Service.

To activate the HASP License Manager application, start it from the Start menu or Windows Explorer. The HASP License Manager application is always active when any protocol is loaded and a HASP4 Net key is con ected. To deactivate it, select Exit from the main menu.

A.2.2   On Linux host

Before installing the LM you must install the HASP driver and *aksusbd* daemon as described above. The license manager can then be installed through rpm on Redhat and Suse systems, or started manually on other systems. The license manager is located in hasp/linux/server on the TSIM CD.

If you're using SuSE 8.x or 9.x:

```
rpm -i hasplm-suse-8.30-1.i386.rpm
```

RedHat 8.x or 9.x:

```
rpm -i hasplm-redhat-8.30-1.i386.rpm
```

It you're running a different Linux distribution, you must start the HASP LM manually:

```
./hasplm
```