

## Security Device Installation

### INTRODUCTION

A security device is required to use this Lab-Volt software. Two types of security devices are available: a single-user hardlock key to be connected to a USB port on the user's computer, and a multiple-user hardlock key to be installed within the server of a computer network.

This section provides the procedures for installing each type of security devices. The first procedure deals with the installation of a single-user hardlock key. The second procedure describes the installation of a multiple-user hardlock key.

Before performing the hardlock key installation, apply a serial number label on the back cover of this manual and on the hardlock key. Then, identify the type of key you have in your possession (see Figures 2-1 and 2-2).



Figure 2-1. Hardlock key.



Figure 2-2. Hasp key.

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## 1. HARDLOCK KEY INSTALLATION

### SINGLE-USER HARDLOCK KEY INSTALLATION

The single-user hardlock key installation simply consists in connecting the key to one of the USB port connectors of the computer used to run this Lab-Volt software.

### MULTIPLE-USER HARDLOCK KEY (PCI) INSTALLATION

The multiple-user hardlock key installation consists of installing the key within the computer used as the network server, installing the multiple-user hardlock key drivers in this computer, and starting the hardlock key service using the HL Server program.

The multiple-user hardlock key is a printed circuit board with an edge-type connector that installs into one of the PCI expansion slots of the computer. The multiple-user hardlock key is compatible with the TCP/IP and IPX communication protocols.

The installation procedures should be performed by the network administrator or a qualified technician. They can be used for network servers running under Microsoft® Windows® 2003, XP, or Vista.

#### **Installation of the Multiple-User Hardlock Key within the Computer used as the Network Server**

- ☐ 1. Start the computer used as the network server.
- ☐ 2. Insert the CD ROM containing the Lab-Volt software you want to install (for example, LVSIM-EMS) in the server's CD ROM drive.
- ☐ 3. Start the HASPUserSetup.exe installation program.

The program is located in the folder \Hardlock\haspinst of the CD ROM.

- ☐ 4. Follow the instructions provided by the installation wizard. The program installs the HASP drivers.
- ☐ 5. When the drivers have finished installing, connect the HASP key to one of the USB port connectors of the computer used as the network server.
- ☐ 6. The HASP drivers provide a web-based administration control center to manage the use of the licenses. Admin Control Center is launched by typing `http://<machine_name or ip address>:1947` in the address field of the browser. If you are accessing the HASP License Manager residing on your own machine, type `http://localhost:1947`.

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## Installation of the Multiple-User Hardlock Key Drivers

### Windows® 2003, XP, or Vista

**Note:** To install drivers, you need to be logged on as an administrator.

- ☐ 1. Start the computer used as the network server.

A message is displayed informing you that new hardware has been detected. The Found New Hardware Wizard opens.

- ☐ 2. Insert the CD ROM containing the Lab-Volt software that you want to install (for example, LVSIM-EMS) in the server's CD ROM drive.
- ☐ 3. Follow the instructions provided by the wizard. Perform an automatic file search or enter the name of the folder in which the AKSPCI.INF and AKSPCI2.INF driver files are located. Normally, this folder is pcicard\win2000\_XP.
- ☐ 4. A window may appear indicating that the software (hardlock key drivers) you are installing has not passed the Windows® Logo testing to verify its compatibility with Windows®. If so, click **Continue Anyway** to close this window and resume the hardlock key driver installation.
- ☐ 5. Click **Finish** to complete the installation.

**Note:** The card will be detected automatically. The new parallel port is generally assigned to LPT2. A random address is assigned to the parallel port under Windows 2003/2000/XP/Vista.

## Starting the Hardlock Key Service using the HL Server Program

### Windows® 2003, XP, or Vista

- ☐ 1. Start the HASPUserSetup.exe installation program.

The program is located in the folder \Hardlock\haspinst of the CD ROM.

- ☐ 2. Follow the instructions provided by the installation wizard. The program installs the Hardlock drivers.
- ☐ 3. Start the HLSW32.EXE installation program.

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The program is located in the folder \Hardlock of the CD ROM.

- ☐ 4. Follow the instructions of the installation wizard. The program installs HL-Server.
- ☐ 5. Select No when asked "Do you want to install the device drivers" in the HLSW32 installation.
- ☐ 6. Make sure that the Windows Firewall does not block these ports: 3047 UDP and 3047 TCP.

You can check if the installation is successful from any computer in the network. Use Aladdin DiagnostiX or Aladdin Monitor to do this.

- ☐ 7. On each customer's machine running Windows® Vista, create the following system environment variables:
  - HL\_SEARCH=IP
  - HLS\_IPADDR=x.x.x.x, where "x.x.x.x" is the IP address of the computer on which the hardlock key is installed.

## **Aladdin DiagnostiX**

You can use Aladdin DiagnostiX to obtain relevant information about your system and to check Hardlock modules. This information helps you to solve problems which may occur during the use of the protected software.

Use Aladdin DiagnostiX for the following tasks:

- To check a Hardlock module.
- To create a report containing data about Hardlock modules and relevant information about your system.
- To set Hardlock Environment parameters.

## **Installing Aladdin DiagnostiX**

- ☐ 1. Start: DIAGNOSTIX.EXE.
- ☐ 2. Follow the instructions provided by the installation wizard.

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## Using Aladdin DiagnostiX to check if the installation is successful

- ☐ 1. Activate the Check Hardlock tool by clicking the Hardlock icon in the Diagnostic Tools pane.
- ☐ 2. Select Network (HL-Server) to check a Hardlock module connected in the network.
- ☐ 3. Specify the module address of the Hardlock module which you want to check.
- ☐ 4. Click the button check key. Details of the access are displayed in the Key Access History table below the Check Hardlock display.

## Aladdin Monitor

Aladdin Monitor permits centralized administration of the various HL-Server programs and the Hardlock modules they provide.

The following options are available:

- Checking and editing the properties of HL-Servers in the network.
- Checking, adding, and removing Hardlock modules.
- Collecting and writing information for a license update.
- Installing, starting, stopping, and uninstalling the local HL-Server service.

## Installing Aladdin Monitor

You can install Aladdin Monitor on any computer running under Windows® 2003, XP, or Vista. You need to be logged on as administrator in order to install Aladdin Monitor.

- ☐ 1. Start the AKSMON32.EXE file.
- ☐ 2. Follow the instructions provided by the installation wizard.
- ☐ 3. Refer to the online help of the program, using the main menu or by pressing F1 in order to obtain information on how to operate the program.

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## 2. HASP KEY INSTALLATION

### SINGLE-USER HASP KEY INSTALLATION

The single-user HASP key installation simply consists in connecting the key to one of the USB port connectors of the computer used to run the Lab-Volt software.

### MULTIPLE-USER HASP KEY INSTALLATION

#### Installation of the Drivers

**Note:** *To install drivers, you need to be logged on as an administrator.*

- ☐ 1. Start the computer used as the network server.
- ☐ 2. Insert the CD ROM containing the Lab-Volt software you want to install (for example, LVSIM-EMS) in the CD ROM drive of the server.
- ☐ 3. Start the HASPUserSetup.exe installation program.

The program is located in the folder \Hardlock\haspinst of the CD ROM.

- ☐ 4. Follow the instructions provided by the installation wizard. The program installs the HASP drivers.
- ☐ 5. When the drivers have finished installing, connect the HASP key to one of the USB port connectors of the computer used as the network server.

The HASP drivers provide a web-based administration control center to manage the use of the licenses. Admin Control Center is launched by typing `http://<machine_name or ip address>:1947` in the address field of the browser. If you are accessing the HASP License Manager residing on your own machine, type `http://localhost:1947`.