

Network Installation Instructions for Windows[®]

Gene Codes Corporation

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Installation Instructions for the Sequencher™ Windows® Network

The Network version of Sequencher utilizes a concurrent user license system. Gene Codes provides you with a limited version of **Key Server Network Management Software from Sassafras**. Sequencher license management can also be easily added to the Full Version of **KeyServer**. The provided **Sequencher Server** software and KeyServer are both capable of managing the Sequencher licenses; however, Sequencher Server is designed specifically for use with Sequencher and will not serve other programs.

In this system one computer on your network is designated as a '**Sequencher Server**'. Any machine with a Windows operating system (95 or later) may be used to serve Sequencher licenses. To create a Sequencher Server you need to install the server software and a hardware key--either a USB or a Parallel port key that holds the total number of licenses that you will be sharing over the network. Both Macintosh and Windows Sequencher licenses may be served from this Windows network installation. To use both systems on the same network, you must purchase at least one license for each platform, as they are not interchangeable.

The software, Key Server, communicates with both the hardware key and the '**Client**', which is installed on each of the computers on the network that will operate Sequencher. The Sequencher Server machine itself may also be used as a Client by installing the client software and Sequencher in addition to the Server software.

Sequencher uses **KeyAccess**, the Sassafras client software, to obtain a license over the network. You will need to install both Sequencher and Key Access on each client computer. Key Server only limits the number of concurrent users not the number of installations, so every desktop computer on your network may have its own local copy of Sequencher.

Your Installation Kit Contains:

- | | |
|--|---|
| 1 Sequencher Server hardware key
<i>-Either a red USB key or parallel port attachment</i> | 1 Sequencher Server Client CD
<i>-Includes client software for Windows and Macintosh systems</i> |
| 1 Sequencher Server Administration CD
<i>-Includes driver, license, and server installation files, plus client software for Windows systems</i> | 1 User Registration Card |

These instructions are divided into six sections.

Section 1: Installing Sequencher Server for the First Time **Page 3**

If you are installing the Sequencher Server for the first time using only Gene Codes Corporation provided software, please follow the instructions in Section 1.

Section 2: Adding Sequencher Licenses to the Full Version of KeyServer® **Page 4**

If you are already using the Full Version of KeyServer by Sassafras and wish to add Sequencher license management to your KeyServer for the first time, please follow the instructions in Section 2.

Section 3: Updating the Sequencher Network License **Page 5**

If you are already using the network version of Sequencher with either the Sequencher Server or the Full Version of KeyServer by Sassafras and you need to update/upgrade the number of licenses, please follow the instructions in Section 3. (Any time you receive a new hardware key from Gene Codes Corporation you must follow this section's instructions).

Section 4: Uninstalling Sequencher Server **Page 6**

Section 1: Installing Sequencher Server for the First Time

The following instructions will guide you through the installation of the Sequencher Server. If you are already using KeyServer by Sassafras and want to add Sequencher license management, please see Section 2. If you already have a working Sequencher network and you want to update licenses, please see Section 3. If you wish to use **Sequencher** on this Sequencher Server machine please see the [Installation of the Sequencher Client Software](#) instructions to guide you through installing and configuring the client after you complete the instructions below.

1. Before You Begin

- 1.1. Before you begin the installation you must first ***remove any preexisting Gene Codes hardware keys attached to your computer.***
- 1.2. If you are installing on Windows NT, 2000, or XP you must be logged in as Administrator throughout the entire installation process.
- 1.3. You need to know the IP address for the **Sequencher Server** machine. It is highly recommended that your Sequencher Server have a Static IP Address or DNS name. Please ask your System/Network Administrator if you do not know the IP Address.

2. Install the Sentinel Driver

- 2.1. Insert the **Sequencher Server Administration** disk.
- 2.2. Open the **My Computer** icon and double click the **Sequencher Server** disc in your CD drive.
- 2.3. Open the **Sentinel Driver** folder and double click on **SSD5411-32bit.exe**. The Sentinel Driver will automatically be installed.

3. Attach the New Hardware Key

- 3.1. Firmly attach the new key from your installation kit to the parallel or USB port on the Network Monitor Computer. If you have a parallel port key, tighten the screws.

4. Installing Sequencher Server Administration

- 4.1. Open the **My Computer** icon and double click the **Sequencher Server** disc in your CD drive.
- 4.2. Open the **Sequencher Server Installer** folder. Double click the **Server Installer** icon.

*The **InstallShield® Wizard** will guide you through the installation.*

- 4.3. Click the **Next** button to accept the details on the **Sequencher Server Admin Setup** program.
- 4.4. Wait for the *Licenses* dialog to appear and verify you are installing the correct number of licenses by clicking the **Yes** button.
- 4.5. Click the **Next** button to install **Sequencher Srvr Admin** in the default directory.
- 4.6. Click the **Next** button to install add program icons into the default Program Folder.
- 4.7. Click the **Next** button to accept the Current Settings and begin copying files.
- 4.8. Click **Yes** to install the server as a Service (*This option is not available on Windows 9x or ME*).
- 4.9. Click **Yes** to start this service automatically whenever the system restarts.
- 4.10. The 'Setup Complete' dialog will appear once the installation is done. Click the **Finish** button to exit the **Setup** program.
- 4.11. **RESTART.**

Section 2: Adding Sequencher Licenses to the Full Version of KeyServer®

The following instructions will guide you through the addition of Sequencher Licenses to your current KeyServer by Sassafras. If do not have the full version of KeyServer by Sassafras already installed, please see Section 1 to install Sequencher Server. If you already have a working Sequencher network using either KeyServer by Sassafras or Sequencher Server and you want to update licenses, please see Section 3. If you wish to use **Sequencher** on this Sequencher Server machine please see the Installation of the Sequencher Client Software instructions to guide you through installing and configuring the client after you complete the instructions below.

1. Before You Begin

**Note: You may run the 'Sequencher Server Licenses Setup' while KeyServer is still running, but the new licenses will not be recognized until the KeyServer has been restarted.*

- 1.1. Before you begin the installation you must first **remove any preexisting Gene Codes hardware keys attached to your computer.**
- 1.2. If you are installing on Windows NT, 2000, or XP you must be logged in as Administrator through the entire installation process.
- 1.3. You need to know the IP address for the PC Sequencher Server machine. It is highly recommended that your Network Monitor machine have a Static IP Address. Please ask your System/Network Administrator if you do not know the IP Address.

2. Install the Sentinel Driver

- 2.1. Insert the **Sequencher Server Administration** disk.
- 2.2. Open the **My Computer** icon and double click the **Sequencher Server** disc in your CD drive. Open the **Sentinel Driver** folder and double click on **SSD5411-32bit.exe**. The Sentinel Driver will automatically be installed.

3. Attach the New Hardware Key

- 3.1. Firmly attach the new key from your installation kit to the parallel or USB port on the Network Monitor Computer. If you have a parallel port key, tighten the screws.

4. Add Sequencher Licenses

- 4.1. Open the **My Computer** icon and double click the **Sequencher Server** disc in your CD drive.
- 4.2. Open the **Sequencher License Installer** folder. Double click the **License Installer** icon.

*The **InstallShield® Wizard** will guide you through the installation.*

- 4.3. Click the **Next** button to accept the details on the **Sequencher Server Licenses Setup program.**
- 4.4. Wait for the *Licenses* dialog to appear and verify you are installing the correct number of licenses by clicking the **Yes** button.
- 4.5. The installer will attempt to locate the installed KeyServer. If it cannot be located, you will be prompted for its location. Select the folder named '**Server**' at its default location within the **Program Files\ KeyServer** folder or at the location specified by your system administrator.
- 4.6. Click the **Next** button to accept the Current Settings and begin copying files.
- 4.7. Once the installation is completed, the **Setup Complete** dialog will appear. Click the **Finish** button to exit the Setup program.
- 4.8. **RESTART.**

Section 3: Updating the Sequencher Network License

The following instructions will guide you through Updating/Upgrading your Sequencher network license. You must follow these instructions in order for your current Sequencher Server to recognize changes in existing licensing resulting from the purchase or consolidation of licenses onto a ***new hardware key***.

You should already have a working Sequencher Network that uses either Sequencher Server, or the Full Version of KeyServer by Sassafras. If you do not have a Sequencher network already installed, then please see Section 1 for instructions on installing Sequencher Server. If you are already using KeyServer by Sassafras and want to add Sequencher license management ***for the first time***, please see Section 2.

1. Before You Begin

**Note: You may run the Sequencher Server Licenses Setup while KeyServer is still running, but the new licenses will not be recognized until the KeyServer has been restarted.*

- 1.1. If you are installing on Windows NT, 2000, or XP you must be logged in as Administrator through the entire installation process.
- 1.2. Before you begin the License Upgrade, you must first ***remove the older hardware key from the Sequencher Server computer.***

2. Attach the new Hardware Key

- 2.1. Firmly attach the new key from your installation kit to the parallel or USB port on the Network Monitor Computer. If you have a parallel port key, tighten the screws.

3. Updating the Sequencher Network

- 3.1. Insert the **Sequencher Server Administration** disk.
- 3.2. Open the **My Computer** icon and double click the **Sequencher Server** disc in your CD drive.
- 3.3. Open the **Sequencher License Installer** folder. Double click the **License Installer** icon.

The InstallShield® Wizard will guide you through the installation.

- 3.4. Click the **Next** button to accept the details on the **Sequencher Server Licenses Setup program**.
- 3.5. Wait for the *Licenses* dialog to appear and verify you are installing the correct number of licenses by clicking the **Yes** button.
- 3.6. The installer will attempt to locate the currently installed KeyServer. If it cannot be located, you will be prompted for its location. Browse to and select the folder named '**Server**'. If you have Sequencher Server, then this folder will be located within the **Program Files\Gene Codes\Srvr Admin** folder. If you have the full version of KeyServer, then this folder will be located within the **Program Files\KeyServer 5.x** folder (This example assumes you've installed KeyServer or Sequencher Server in their default locations).
- 3.7. Click the **Next** button to accept the *Current Settings* and begin copying files.
- 3.8. Once the installation is completed, the *Setup Complete* dialog will appear. Click the **Finish** button to exit the **Setup** program.
- 3.9. **RESTART.**

Note: If you see the error 'Server.lic not found', find the file 'genencode.lic' within the **KeyServer Data Folder** (Program Files\Gene Codes\Srvr Admin\KeyServer Data Folder), rename it 'server.lic' and repeat step 3.

Installation of the network Server software is complete. Please refer to Installation of the Sequencher Client Software instructions to complete your Sequencher Network installation.

Section 4: Uninstalling Sequencher Server

1. Uninstalling Windows Service

Note: If you are using Windows 9x or ME, please skip to step 1.6.

- 1.1. Log on as Administrator.
- 1.2. Select the **Services** icon. In Windows NT, this is found in **Start\Settings\Control Panel**. In Windows 2000 and XP, this is found in **Start\Settings\Control Panel\Administrative Tools**.
- 1.3. Select **KeyServer** from the list of services.
- 1.4. Choose 'Stop' from the Action menu.
- 1.5. Close the 'Services Control Panel.'
- 1.6. Click the **Start** menu button and choose **Run**. Browse to **Program Files\Gene Codes\Sequencher Srvr Admin**. Select **ks.exe** and click **Open**.
- 1.7. Type ' -remove' after the full filename. There must be a space before the dash. The command should look like the following:
`'C:\Program Files\Gene Codes\Sequencher Srvr Admin\ks.exe' -remove`
- 1.8. Click **OK**. The service will uninstall itself.
- 1.9. **RESTART**.

2. Uninstalling Sequencher Server

- 2.1. Go to **Start\Settings\Control Panel\Add/Remove Programs**.
- 2.2. Select **Sequencher Srvr Admin** from the list and click **Add/Remove**.
- 2.3. Click **Yes** to the questions asking if you wish to completely remove the components.
- 2.4. Click **OK** when uninstall is completed.
- 2.5. Click **OK** to exit **Add/Remove Programs**.