

SEQUENCHER™

Network Server for Windows®

Installation Instructions

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Overview of the Sequencher Server 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, KeyServer, 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 — either a USB key or an parallel key
- 1 Sequencher Server Administration CD — includes Server installer, installation instructions, and client software for Windows and Macintosh systems
- Sequencher Server Client CD — includes client software for Windows and Macintosh systems
- 1 User Registration Card

Installing Sequencher Server for the First Time

The following instructions will guide you through the installation of the Sequencher Server. If you are installing the Sequencher Server for the first time using only Gene Codes Corporation provided software, please use the following instructions. If you are already using KeyServer by Sassafras and want to add Sequencher license management, please see page 4. If you already have a working Sequencher network and you want to update licenses, please see page 5. If you wish to use **Sequencher** on this Sequencher Server machine please see the Sequencher Client installation instructions to guide you through installing and configuring the client after you complete the instructions below.

BEFORE YOU BEGIN

- Before you begin the installation you must first remove any preexisting Gene Codes hardware key.
- If you are installing on Windows NT, 2000, or XP you must be logged in as Administrator.
- 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.

INSTALL THE SENTINEL DRIVER AND HARDWARE KEY

- Insert the **Sequencher Server Administration** disk.
- 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**.
- Firmly attach the new key to the parallel or USB port on the Sequencher Server machine.

INSTALLING SEQUENCHER SERVER ADMINISTRATION

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

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

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

Installation of the network Server software is complete.

Please refer to the Client Software installation instructions to complete your Sequencher Network installation.

Adding Licenses to the Full Version of KeyServer®

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, use the following instructions. If do not have the full version of KeyServer by Sassafras already installed, please see page 3 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 page 5. If you wish to use **Sequencher** on this Sequencher Server machine please see the Sequencher Client installation instructions to guide you through installing and configuring the client after you complete the instructions below.

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.

- Before you begin the installation you must first remove any preexisting Gene Codes hardware .
- If you are installing on Windows NT, 2000, or XP you must be logged in as Administrator.
- Install the Sentinel Driver and Hardware Key
- Insert the **Sequencher Server Administration** disk.
- 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 **SSD541 1-32bit.exe**.
- Firmly attach the new key to the parallel or USB port on the Sequencher Server machine.

ADD SEQUENCHER LICENSES

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

The InstallShield® Wizard will guide you through the installation.

- Click the **Next** button to accept the details on the **Sequencher Server Licenses Setup program**.
- Wait for the *Licenses* dialog to appear and verify you are installing the correct number of licenses by clicking the **Yes** button.
- 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.
- Click the **Next** button to accept the Current Settings and begin copying files.
- Once the installation is completed, the **Setup Complete** dialog will appear. Click the **Finish** button to exit the Setup program.
- **RESTART.**

Installation of the network Server software is complete.

Please refer to the Client Software installation instructions to complete your Sequencher Network installation.

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

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.

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

ATTACH THE NEW HARDWARE KEY

- Firmly attach the new key to the parallel or USB port on the Network Monitor Computer.

UPDATING THE SEQUENCHER NETWORK

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

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

- Click the **Next** button to accept the details on the Sequencher Server Licenses Setup program.
- When the *Licenses* dialog appears, click **Yes** to verify you are installing the correct number of licenses.
- 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.
- Click the **Next** button to accept the *Current Settings* and begin copying files.
- Click the **Finish** button to exit the **Setup** program.
- **RESTART.**

Installation of the network Server software is complete.

Please refer to the Client Software installation instructions to complete your Sequencher Network installation.

Note: If you see the error 'Server.lic not found', find the file 'genecode.lic' within the **KeyServer Data Folder** (Program Files\Gene Codes\Srvr Admin\KeyServer Data Folder), rename it 'server.lic' and repeat the instructions for Updating the Sequencher Network.

Uninstalling Sequencher Server

UNINSTALLING WINDOWS SERVICE

Note: If you are using Windows 9x or ME, please skip to the next section.

- Log on as Administrator.
- 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**.
- Select **KeyServer** from the list of services.
- Choose 'Stop' from the **Action** menu.
- Close the 'Services Control Panel.'
- Click the **Start** menu button and choose **Run**. Browse to **Program Files\Gene Codes\Sequencher Srvr Admin**. Select **ks.exe** and click **Open**.
- 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
- Click **OK**. The service will uninstall itself.
- **RESTART**.

UNINSTALLING SEQUENCHER SERVER

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

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