

SEQUENCHER™

Network Server for Macintosh

Installation Instructions

- ◇ Sequencher Server Network Overview Page 2
- ◇ Installing Sequencher Licensing Page 3

Gene Codes Corporation

T C A G E N E
A G T C O D E S

Gene Codes Corporation
775 Technology Drive, Ann Arbor, MI 48108 USA
1.800.497.4939 (USA) +1.734.769.7249 (elsewhere)
+1.734.769.7074 (fax)
www.genecodes.com info@genecodes.com

Sequencher is a trademark of Gene Codes Corporation
KeyServer is a registered trademark of Sassafras Software Inc.
Macintosh is a registered trademark of Apple Computer, Inc.

SEQUENCHER SERVER NETWORK OVERVIEW

The Network version of Sequencher uses a concurrent user license system. Gene Codes provides you with a limited version of KeyServer 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 Sequencher licenses; Sequencher Server, however, 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 Macintosh machine may be used to serve Sequencher licenses. To create a Sequencher Server, you need to install both the server software and a USB hardware 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 Macintosh network installation. To use both platforms on the same network you must purchase at least one license for each, as they are not interchangeable.

Sequencher Server communicates with both the hardware key and with each Sequencher 'Client' computer. You will need to install both Sequencher and KeyAccess, the client software from Sassafras, on each client computer to obtain a license over the network. The Sequencher Server machine itself may also be used as a Client by installing the KeyAccess software and Sequencher in addition to the KeyServer software. Sequencher 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 USB hardware key
- 1 Sequencher Server Administration CD – includes Sequencher License Installer, installation instructions, K2Admin software and client software for Windows and Macintosh systems
- Sequencher Server Client CD – includes client software for Windows and Macintosh systems
- 1 User Registration Card

GETTING STARTED

Choose one Macintosh computer on your network to be your Sequencher Server. The machine must be running OS 10.2 or higher (at least 10.3 recommended) for OSX Sequencher Servers. If the Sequencher Server machine is running a Classic Operating System, then it must be at least OS 9.2 or higher. Older Macintosh computers will suffice because the Sequencher Server software requires minimal memory and speed. Choose a computer that you can leave running, and set the sleep mode to 'never'. Sequencher Server must remain on, and connected to your network, at all times in order for the client machines to be able to launch Sequencher. If you have received the wrong key for your network, please call Gene Codes immediately at 800-497-4939 so that we can replace it.

The Sequencher License Installer will look for any pre-existing version of KeyServer. Previously installed versions of the Sequencher Server will be automatically replaced. Alternatively, Sequencher licensing capability will be added to full versions from Sassafras.

This installer is compatible with KeyServer versions 5.2 – 6 (at least 6.0.3 is required for 10.4), and will add licensing to either version.

INSTALLING SEQUENCHER LICENSING

PREPARE FOR INSTALLING A NEW SEQUENCHER SERVER OR ADDING LICENSES TO THE FULL VERSION OF KEYSERVER.

If you intend to access the server via TCP/IP, be sure to note the IP address or DNS name of the server Macintosh. One place you can find your IP address is your Network System Preferences. A static IP address or DNS name for your server is highly recommended. See your system administrator to verify the TCP/IP status of your Sequencer Server.

- **Insert and open** the Sequencer Server Administration CD.
- **Launch** the Sequencer License Installer application by double clicking on it. On OSX you will be asked to provide an Administrator's name and password.



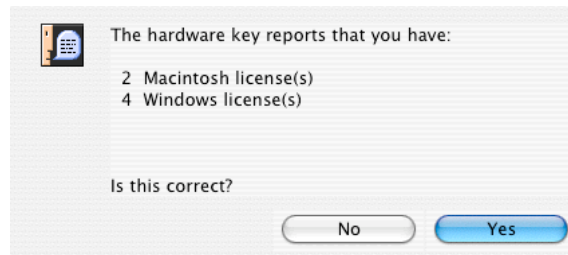
- Click **Install**.

VERIFY THE NUMBER OF LICENSES

- Attach the USB key and click **Retry** when you see the dialog below:



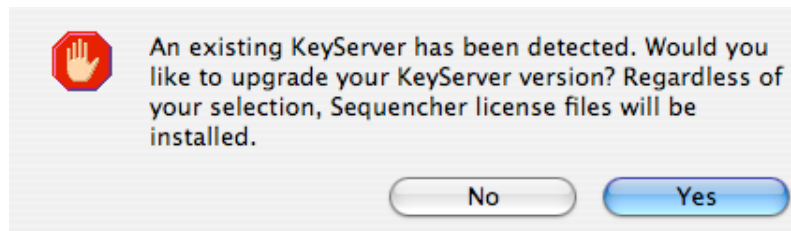
The Installer will present the following dialog displaying the license counts it read from the hardware key:



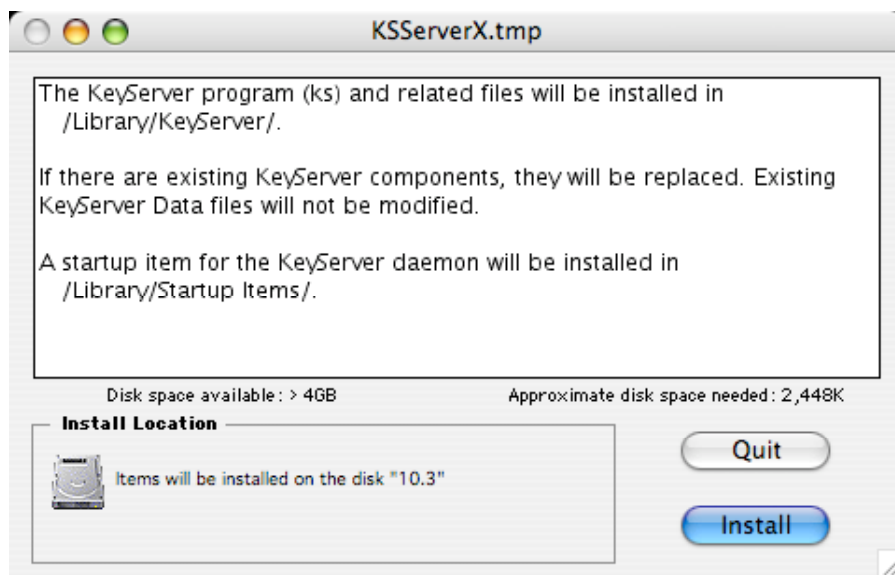
- Verify that the license counts reported are what you purchased.
- Click **Yes** to continue with the installation.

INSTALL KEYSERVER

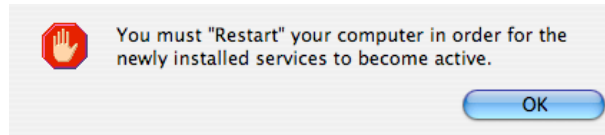
The Installer will search for any pre-existing KeyServer. Be patient, this may take a minute or two. If you already have a KeyServer installed, you'll be asked if you wish to add Sequencher licensing to the existing KeyServer, or update the KeyServer first. If you choose to update, the installer will stop the running KeyServer.



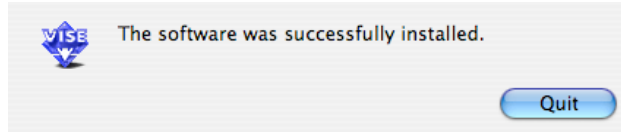
If a new version of KeyServer needs to be installed, you'll again be asked to provide an Administrator's name and password for the installation of KSServerX.tmp on OSX.



- Click **Install**.



- Click **OK**.



- Click **Quit**.
- **Restart**.

KeyServer will automatically start running whenever you start your Macintosh.

INSTALLING ALL THE PARTS

You have now installed Sequencher licensing to Key Server on the designated Sequencher Server machine and are ready to configure your client machine and logon to the server.

- Install K2 Client/KeyAccess on all machines that will use Sequencher (see Client Installation Instructions.)
- Logon to the Server from the Client (see Client Installation Instructions.)
- Install Sequencher (see Sequencher Installation Instructions.)

INSTALLING KEYCONFIGURE (OPTIONAL)

KeyConfigure is the Administrative interface for KeyServer. Installation of this Admin tool is not necessary for running a Sequencher network, but it does allow for explicit monitoring and control of the KeyServer process.

- Launch the K2Admin.sea installer application from the Admin Installer folder on the Sequencher Server Administration CD by double clicking on it. You will be asked to provide an Administrator's name and password. You can accept all of the installer defaults.

Test an Admin connection to KeyServer.

- Launch KeyConfigure. (Located in Applications\SassafrasK2\Admin folder).
- In the top-most field, enter the IP address (or DNS name) of the computer hosting the KeyServer process. Login using the account name "Administrator" with the default password "Sassafras" (first letter capitalized).
- Click **OK**.

KeyConfigure will bring up three windows named Computers, Programs, and Licenses. These three windows display the basic building blocks for the configuration of software auditing, license management, and report generation. For more information, please see: <http://www.sassafras.com>.

Please see <http://www.genecodes.com> for additional information on uninstalling Sequencher Server components, and working with Classic operating systems.