



SeqMan NGen™ 2.1 Installation Guide

Technical Requirements

SeqMan NGen 2.1 for Windows® requires at *minimum*:

- Windows XP x64, Windows Vista® x64, or Windows 7 x64
- 4 GB RAM*
- 3 GB available hard disk space
- 1.6 GHz processor speed
- Internet access (required to authorize)

In order to optimize performance for large assemblies, especially datasets generated using Illumina®, 454™, and SOLiD™ technologies, we **recommend**:

- 16 GB RAM (Additional RAM may be useful to speed up large assemblies where much data divergence is expected)
- 10 GB available hard disk space
- 2.19 GHz processor speed

SeqMan NGen 2.1 for Macintosh® requires at *minimum*:

- Mac OS® X 10.5 or 10.6
- Intel® 64-bit processor
- 4 GB RAM*
- 3 GB available hard disk space
- 1.6 GHz processor speed
- Internet access (required to authorize)

In order to optimize performance for large assemblies, especially datasets generated using Illumina®, 454™ and SOLiD™ technologies, we **recommend**:

- 16 GB RAM (Additional RAM may be useful to speed up large assemblies where much data divergence is expected.)
- 10 GB available hard disk space
- 2.66 GHz processor speed

* RAM requirements vary depending on the volume of data being analyzed. Running large assemblies and opening the resulting project file uses both your computer's RAM and its hard disk space.

DNASTAR License Server Technical Requirements:

- Windows Server 2003, Windows Server 2008, Windows XP, Windows Vista, or Windows 7
- Mac OS® X 10.4 or 10.5 (Intel or Power PC), or 10.6
- Internet access (required to authorize)
- A static IP address manually configured in the TCP/IP setting
- 5 MB of available RAM
- 10 MB of hard-disk space

Installing SeqMan NGen 2.1

Before you begin:

- If you purchased a network license, proceed to the [DNASTAR License Server Installation](#) section.
- Administrative privileges are required to install.
- By default, SeqMan NGen will be installed to the following directory:

On Windows: **C:\Program Files (x86)\DNASTAR\SeqMan NGen 2**

On Macintosh: **Applications:DNASTAR:NGen 2**

1. Insert the SeqMan NGen 2.1 CD. If Autorun is enabled, skip to step 3.
2. Double-click on **SeqMan NGen 2.1 Installer.exe** or **SeqMan NGen 2.1 Mac Install** to launch the installer.
3. Follow the on screen instructions to complete installation.

Following installation, you will be prompted to authorize SeqMan NGen by entering in your product key. If you do not have a product key, please contact DNASTAR.

On Windows, a shortcut to SeqMan NGen will be added to the Start menu under **DNASTAR SeqMan NGen 2**.

On Macintosh, you can launch SeqMan NGen by navigating to **Applications:DNASTAR: NGen 2**.

You are now ready to use SeqMan NGen 2.

For assistance, please contact DNASTAR:

E-mail: support@dnastar.com

Phone: (608) 258-7420

Toll-free in North America: (866) 511-5090

Toll-free in the UK: 0-808-234-1643

Installing the DNASTAR License Server

Before you begin:

- You must install the License Server on a computer that has a static, unchanging IP address. If you are running the installer on a computer that has a dynamic IP address, a warning will appear during installation.
- By default, port 5093 is used by the license server. If a firewall is turned on, it may be necessary to open UDP port 5093 to allow communication between the client and server.
- Administrative privileges are required to install.
- By default the license server will be installed to the following directory:

On Windows: **C:\Program Files\DNASTAR-LicenseServer**

On Macintosh: **Library:DNASTARLicenseServer**

There are 2 steps required to install a SeqMan NGen network license:

Step 1: License Server Software Installation

1. Insert the SeqMan NGen 2.1 CD. If Autorun is enabled, skip to step 3.
2. Double-click on **SeqMan NGen 2.1.0 LicenseServer Win Install.exe** or **SeqMan NGen 2.1.0 LicenseServer Mac Install.pkg** to launch the installer.
3. Follow the on-screen instructions to complete installation.

After installation, you will be prompted to restart (on Windows) and authorize by entering your product key. If you do not have a product key, please contact DNASTAR.

At the completion of the server installation and authorization, the **SeqManNGenClient2** folder opens automatically. *Be sure to save a backup copy of this folder in a safe place since you will need it for all future client installations.*

Step 2: SeqMan NGen 2 Client Software Installation

1. Copy the entire **SeqManNGenClient2** folder from the desktop of the server to a CD or shared network drive.

Note: The CD must be made on a Macintosh computer if it is to be used on Macintosh clients.

2. Save the **SeqManNGenClient2** folder to the desktop of the client machine. Open it, and double-click on **SeqMan NGen 2.1.0 Win Install.exe** or **SeqMan NGen 2.1.0 Mac Install** to launch the installer.
3. Follow the on-screen installation instructions.

You are now ready to use SeqMan NGen 2.

Note: With a SeqMan NGen network license, authorization is required on the server only.

On Windows, a shortcut to SeqMan NGen will be added to the Start menu under **DNASTAR SeqMan NGen 2**.

On Macintosh, you can open SeqMan NGen by navigating to **Applications:DNASTAR:NGen 2**.

Note: If the IP address of the server changes, it will be necessary to change the **NG2.Ishost** file found on the client machine(s) in the following directories:

Windows XP: C:\Documents and Settings\All Users\Application Data\DNASTAR\Licenses.

Windows Vista: C:\ProgramData\DNASTAR\Licenses\

Macintosh: Library:Application Support:DNASTAR:Licenses

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6th Edition, February 2010. SeqMan NGen Version 2.1. Printed in Madison, Wisconsin, USA.

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