



# **DNASTAR ArrayStar<sup>®</sup> and QSeq<sup>®</sup> Installation Guide**

**For Macintosh OS<sup>®</sup> X**

**DNASTAR, Inc. 2014**

# Contents

<b>Contents .....</b>	<b>2</b>
<b>Before You Begin .....</b>	<b>3</b>
<b>Technical Requirements .....</b>	<b>3</b>
<b>Downloading and Installing Parallels Desktop .....</b>	<b>4</b>
<b>Downloading and Installing Windows .....</b>	<b>4</b>
<b>Configuring Parallels Desktop for QSeq Projects .....</b>	<b>5</b>
<b>Installing ArrayStar and QSeq.....</b>	<b>6</b>
<b>Links.....</b>	<b>6</b>
<b>ArrayStar File Locations.....</b>	<b>7</b>
<b>Frequently Asked Questions .....</b>	<b>8</b>

# Before You Begin

We're here to help! If you have any difficulties with or questions about installation, please contact a DNASTAR support representative:

- E-mail: [support@dnastar.com](mailto:support@dnastar.com)
- Phone (Madison, WI, USA): 608-258-7420
- In the USA and Canada, call toll free: 1-866-511-5090
- In the UK, call free on: 0-808-234-1643
- In Germany, call free on: 0-800-182-4747

This document pertains to ArrayStar<sup>®</sup> version 12, and was last updated on September 15, 2014.

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**Note regarding 64-bit windows computers:** Most Windows<sup>®</sup> paths shown in this guide apply to both 32- and 64-bit machines. An exception is that files shown as being located in C:\Program Files are located in C:\Program Files (x86) on 64-bit machines.

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## Technical Requirements

Administrator privileges are required to perform this installation.

For other technical requirements related to installation, including supported versions of Parallels Desktop, please refer to the web pages below:

- [ArrayStar Technical Requirements](#)
- [QSeq Technical Requirements](#)

# Downloading and Installing Parallels Desktop

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**Note 1:** If you have already installed a supported version of Parallels Desktop, skip to [Downloading and Installing Windows](#).

**Note 2:** If you have already installed supported versions of both Parallels Desktop and Windows, skip to [Installing ArrayStar and QSeq](#).

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- 1) Go to the [Parallels Desktop website](#) and follow the on-screen instructions to complete the purchase and download of **Parallels Desktop**.
- 2) After the download is complete, open the Parallels Desktop DMG package file.
- 3) To start the installation, double-click **Install**.
- 4) Continue with the on-screen instructions until the Installer notifies you that you successfully installed Parallels Desktop.
- 5) Use the default installation settings. Click **Close** to complete installation.
- 6) To start Parallels Desktop, open **Applications** and double-click **Parallels Desktop**.
- 7) Activate Parallels Desktop. The activation key will be in your email.

## Downloading and Installing Windows

- 1) Go to the [Microsoft website](#).
- 2) Download of the Full version, not the Upgrade version, of the current edition of Windows. We recommend choosing the Windows Professional edition.
- 3) Follow the on-screen instructions to complete purchase of the software.
- 4) Start the Download Manager and download will begin.

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**Note:** Wait until the status of the download is "finished" before exiting. For users with average download speeds, this download may take several hours to complete.

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- 5) Open Parallels Desktop and select **New Windows Installation**.

- 6) Follow the on-screen instructions to install a supported version of Windows on your Parallels Desktop. The Virtual OS will reboot several times during this process. This will not affect the Mac operating system.
- 7) After Windows is successfully installed, the Parallels Desktop icon will appear in the Mac dock. When you open Parallels Desktop for the first time, you will be in the "Extended Coherence" mode. You may change this mode using the **Mac Menu** bar in the Parallels Desktop's **View Menu**.

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**Note:** Microsoft recommends that you always run antivirus software and keep it up to date.

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## Configuring Parallels Desktop for QSeq Projects

If you plan to use QSeq projects, you should configure Parallels Desktop as follows:

- 1) Go to the Parallels menu bar on the Mac machine and select **Virtual Machine > Shut Down**.
- 2) Go back to the Parallels menu bar and select **Virtual Machine > Configure**.
- 3) Click on the **General Tab**.
- 4) Change the number of CPUs allocated to your Parallels Desktop to half the total that your Mac computer has. For example if your Mac has 8 cores available, choose 4 cores.
- 5) Change the **Memory** to 8GB by typing **8000** in the text box or sliding the arrow to the right.
- 6) Click on the **Hardware tab**.
- 7) Select **Hard disk** in the menu of the left side.
- 8) Click the **Edit** button and then change the hard disk size to at least **100GB**.
- 9) Select **Network** in the list on the left.
- 10) Change type to **Default Adaptor** in the drop down menu under Bridged Network.
- 11) Click **OK**, then **Windows 'x' Click here to start** on your Parallels Desktop (where 'x' is the version number).

# Installing ArrayStar and QSeq

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**Note 1:** Administrator privileges are required to perform this installation.

**Note 2:** Before beginning, make sure a [supported version](#) of Parallels Desktop is installed and running. Close all existing DNASTAR software.

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- 1) From your Mac machine, [log in](#) to the DNASTAR website and click on the **Installers** tab.
- 2) Select **Download Lasergene ‘x’ Installer for Macintosh** (where ‘x’ is the version number).
- 3) Use the default installation settings and follow the on-screen instructions
  - In the Installation Type dialog, check the box next to **ArrayStar and QSeq (requires Parallels)**.
  - If asked, verify that Parallels Desktop is installed and running.
  - When prompted, enter your Product Key. This can be found on your DNASTAR [My Account](#) page under the **License Details** tab.

After installation is complete, the DNASTAR Navigator will launch.

- 4) In the Navigator's **Gene Expression Analysis** group, click on **ArrayStar** or **QSeq**. Navigator will automatically launch Parallels Desktop for you. You are now ready to use the selected application.

## Links

[DNASTAR website](#) / [ArrayStar and QSeq page](#)

[Parallels Desktop](#) / [Installing Parallels Desktop](#) / [Microsoft Windows](#)

# ArrayStar File Locations

The following file names use 'x' to represent the version number.

File Category	Windows Path
Application <sup>2</sup>	C:\Program Files\DNASTAR\ArrayStar 'x'
Preferences	C:\Users\<User>\AppData\Roaming\DNASTAR\ArrayStar\2.0
Standalone & Trial Licenses (ASx.license)	C:\Program Data\DNASTAR\Licenses
License Manager <sup>2</sup>	C:\Program Files\DNASTAR\ArrayStar 'x'
Annotations	C:\Users\<User>\AppData\Local\DNASTAR\ArrayStar\2.0
Gene Ontology	C:\Users\<User>\AppData\Local\DNASTAR\ArrayStar\2.0
Genomes (downloaded)	C:\Users\Public\Public Documents\DNASTAR\Genome\Downloads
NetAffx	C:\Users\<User>\AppData\Local\DNASTAR\ArrayStar\2.0
Problems Log	C:\Users\<User>\AppData\Roaming\DNASTAR\ArrayStar
Exceptions Log	C:\Users\<User>\AppData\Roaming\DNASTAR\ArrayStar

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**Note 1:** AppData is a hidden folder in Windows 7 and higher. To unhide the folder, go to **Organize > Folder and Search Options > View > Show Hidden files and folders**.

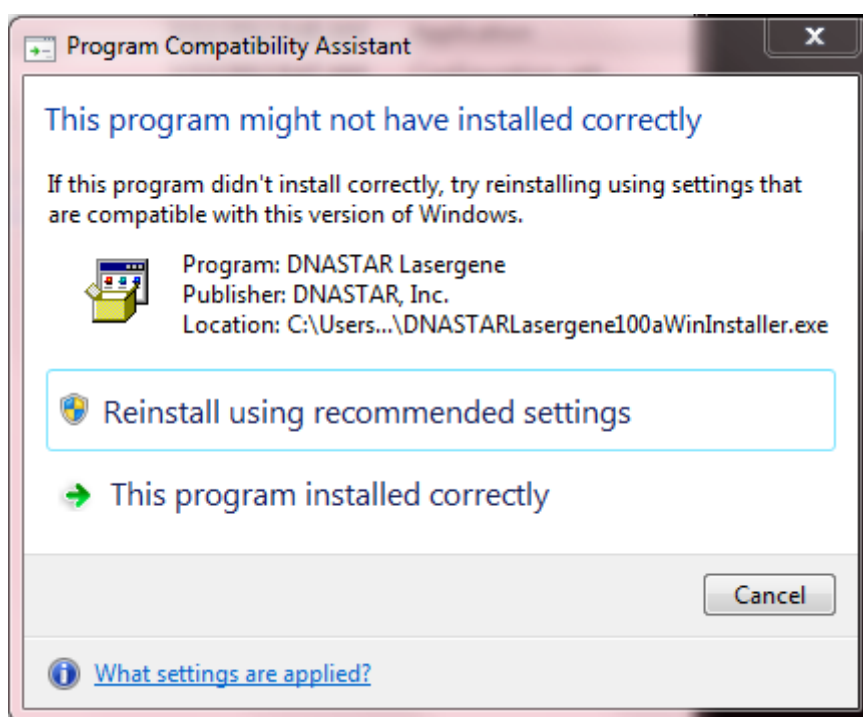
**Note 2:** Files shown as being located in *C:\Program Files* are located in *C:\Program Files (x86)* on 64-bit machines.

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## Frequently Asked Questions

**After installing DNASTAR software on Windows Vista, Windows 7 or Windows 8, I receive the message "This program might not have installed correctly." What should I do?**

A notification like the one below appears occasionally after installing DNASTAR software on Windows Vista, Windows 7 or Windows 8:



The name of the .exe file varies according to the application you are installing. This message can be safely ignored. Simply click on **This program installed correctly** and proceed with using the software.

## **I installed ArrayStar on my Macintosh with Parallels Desktop. Why is the ArrayStar application still grayed out in Navigator?**

In order for Navigator to locate ArrayStar on a Macintosh running Parallels Desktop, Parallel Tools must first be installed. To do this, open Parallels Desktop and select **Virtual Machine > Install Parallels Tools** from the menu bar. The next time you open Navigator, you will be able to launch ArrayStar from the console.

## **When I initiate installation of ArrayStar with QSeq on my Macintosh, why does my text editor open instead?**

Before installing ArrayStar with QSeq, the \*.exe file extension must first be associated with Windows Explorer. By default, Macintosh associates the \*.exe extension with its own Text Edit application. When you install Parallels Desktop, the association is usually changed to Windows Explorer. If Parallels Desktop did not change the association, this can be done manually as follows:

Open the Contents folder of the DNASTAR Lasergene 'x' disk image or installer (where 'x' is the version number), right-click on ArrayStar 'x' Installer.exe, and choose **Get Info**. Expand the **Open With** section and choose **Windows Explorer** from the drop down menu. ArrayStar with QSeq can now be installed by double-clicking on its \*.exe file.

## **Why can't I install a DNASTAR application on my Mac after downloading it in Parallels Desktop or VMware Fusion?**

Macintosh programs downloaded on Parallels Desktop or VMware Fusion may not install properly after moving them to the Mac side of the machine. You may receive an error message such as: "Assertion failed!" This is because the Windows operating system does not support certain Mac resources during file download.

To fix this issue, download the software on the Macintosh side rather than on the Windows side of your Mac machine.