Wave Controller 2.4 ReadMe (Windows 7 XFe Controllers only)

Introduction

Use this document to update to version 2.4 of Wave Controller software for your Agilent Seahorse XFe Analyzer Controller (Windows 7 32-bit). The Wave Controller software update takes approximately 10-15 minutes. It is highly recommended to perform the software update at least 1 day in advance of your next planned Agilent Seahorse XFe assay.

Agilent Seahorse Wave Controller is the instrument control and data acquisition software for Agilent Seahorse XFe Analyzers. Data analysis on the Seahorse XFe Controller is strongly discouraged, and should be performed using Wave Desktop 2.6 software. For comprehensive documentation of features and how to use Wave Controller, refer to the Agilent Seahorse Wave User Guide.

Important Information

- Wave Controller 2.4 software is intended for installation on Seahorse XFe Controllers with a Windows 7 32-bit Operating System only. Do not attempt installation on Agilent Seahorse XF96, Agilent Seahorse XF24 Analyzers, or your personal computer.

- The XFe Analyzer must be powered **ON** and connected to the XFe Controller during the update. After the update is complete, the XFe Controller *must* be restarted before performing an assay.

- Do not uninstall the previous version of Wave Controller before upgrading to version 2.4. If the version of Wave Controller is below 2.4, contact Agilent Seahorse Technical Support.

- If you are upgrading from Wave Controller versions 2.0, 2.1, or 2.2, an update to Microsoft .NET 4.6.1 Framework may be required. Microsoft .NET 4.6.1 should be installed before upgrading your Wave Controller software. Download the Microsoft .NET 4.6.1 web installer using this link: https://www.microsoft.com/en-us/download/details.aspx?id=49981

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- Log-in credentials may be required after completing the update. If the credentials have not been modified from the default values they may be required after restarting the XFe Controller. The default credentials are:
  - Username: seahorse
  - Password: seahorse
- Any Agilent Seahorse files with the file extension *.asy must be converted to the appropriate file format before they can be opened and viewed in Wave Controller 2.4. Contact Agilent Seahorse Technical Support for assistance.
- Reboot the XFe Controller once per week. You may notice at times the Windows OS or Wave Controller software responding slowly. This can be due to an application over-using the computer's resources (CPU, physical memory), memory leaks, or other low-level errors that have accumulated over time. Rebooting the XFe Controller resets the current state of Windows and software applications that may be causing any of the issues mentioned above.
- The Windows Operating System language is set to English and cannot be modified. Changing this setting will significantly impact software functionality

Verify Administrator Privileges

If the Windows User Account has been modified from the default Agilent *seahorse* user account, verify the user account has Administrator privileges prior to upgrading to Wave Controller 2.4. Administrator privileges are required to update Wave Controller software. If the user account does not have administrator privileges, contact your local IT administrator.

1 Log in to the PC.

2 Click the **Windows Start button** > **Control Panel** > **User Accounts** > **Manage User Accounts**.

Download Wave Controller 2.4

1 On your personal computer, open an internet browser, and visit the link: https://www.agilent.com/en/products/cell-analysis/cell-analysis-software/instrument-software/wave-controller-2-4

2 Complete the required fields on the registration form, then click **Submit**. After clicking **Submit**, the software download will begin automatically.

3 Once the download is complete, right-click on the compressed folder and click **Extract All** to unzip the folder (Figure 1).
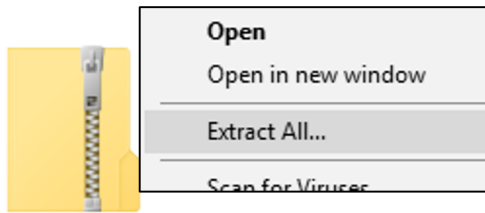
Figure 1 Compressed folder

4 The unzipped folder contains two executable files:

- One file for XFe96 Analyzers called "For_XFe96_Analyzers-Win7-Seahorse_Wave_Controller_v2_4_3_3.exe"

- One file for XFe24 Analyzers called "For_XFe24_Analyzers-Win7-Seahorse_Wave_Controller_v2_4_2.exe").

Copy/paste the appropriate executable file for your XFe Analyzer to a USB flash drive.

Installation

1 Close Wave Controller software (if open).

2 Plug the USB Flash Drive into the XFe Controller.

3 Copy/paste the executable file from your USB flash drive to the Desktop of the XFe Controller (or another local storage location).

4 Double-click the executable file to begin installation.

5 Click **Next** on the Welcome window (Figure 2).

Figure 2   Welcome window

6 Review the License Agreement and accept the terms. Click **Next** (Figure 3).
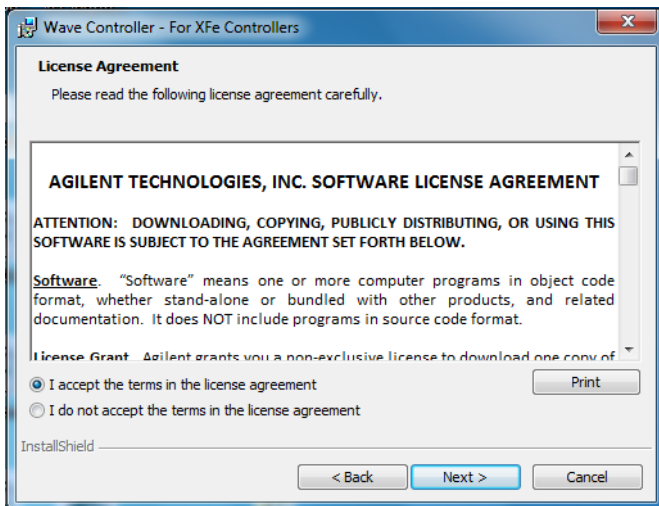
Figure 3   License Agreement

7 Click **Install** on the Ready to Install window (Figure 4).

Figure 4   Ready to Install window

8 After completing installation, the installer will display the Installation Complete window. Click **Finish** to complete installation (Figure 5).

Figure 5   Installation Complete window

9 After completing the Wave Controller update, the XFe Controller must be restarted. A message prompt requesting the restart is displayed following the software update (Figure 6). Click **Yes** to automatically restart your XFe Controller.
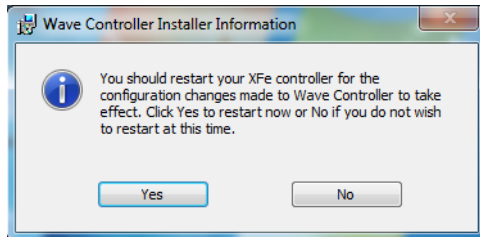
Figure 6 Wave Controller Installer Information

Verify Successful Update

To confirm the software update was successful:

1 Open Wave Controller by double-clicking the **Wave** icon on the Desktop.

2 When Wave Home appears, click the **Help** button on the left-side navigation.

3 Confirm the software version is 2.4 (Figure 7).
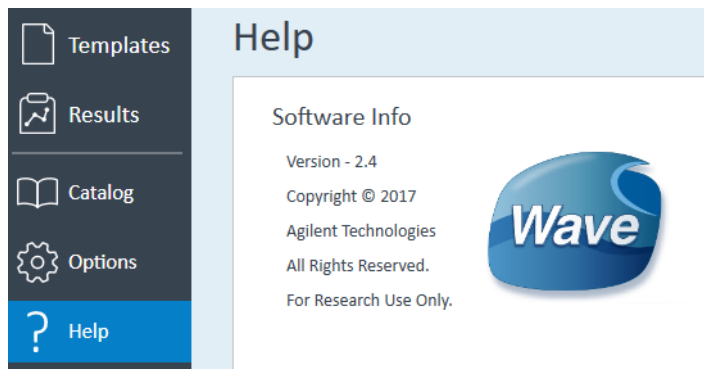
Figure 7   Verify Successful Update

Install Hypoxia License File

Before you perform an XFe assay in a hypoxia chamber, the Hypoxia license must be installed on the XFe Controller. To add the hypoxia license file to your XFe Controller:

1 Download the Hypoxia License file using the link below:
   https://www.agilent.com/cs/library/software/public/Software_Software_Wave_Desktop_Hypoxia_Mode.zip

2 Once downloaded, transfer the installer file to Wave Controller using a USB Flash Drive.

3 Double-click to start installation, and follow the on-screen prompts until the install is completed.

4 Verify the installation was successful by using the **Select an Instrument** drop-down menu on Wave Home. After installation, you will see the additional hypoxia licenses for the selected analyzer.

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