

# Instrument Software Update Instructions

## S91x0A Software for M1749A with M9384B VXG Vector Signal Generator

### Purpose

This document provides the procedure to install the S91x0A software on a M9384B VXG. The S91x0A software is required for the M9384B VXG to interface with the M1749A.

Note: Connecting a mouse and keyboard is recommended for the M9384B VXG.

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### Requirements

To use this procedure, the following requirements must be met:

- M9384B VXG Instrument must be functioning properly before the installation is attempted
- The ability to login to the instrument as the **administrator**
- The ability to transfer a ~ 200 MByte file to the instrument
- Connectivity of the instrument to the internet, or obtaining the Microsoft .NET Framework 4.7.1 for offline installation

### Obtaining the Software

1. Go to <http://www.keysight.com/find/M9384B>, select **Visit Technical Support**, select **Drivers, Firmware and Software**, and select **M1749A Software for M9384B VXG Microwave Signal Generator**.
  2. Download the executable file (**KeysightS91x0A\_X.X.X.exe**) by clicking on the Download button. Save the file to a location of your choice; recommendation is to use a folder on the D: partition.
  3. If the instrument to be updated is not connected to the internet, go to <http://www.microsoft.com>, search for **.NET Framework 4.7.1 offline installer**. Download the installer to a USB storage device you can use to transfer to the instrument. (The file size is ~ 70 MByte.)
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If you do not have the ability to download files directly to the D: partition of the instrument being updated, store the **KeysightS91x0A\_X.X.X.exe** file on a USB storage device for transfer to the instrument. (The file size is ~ 100 MByte.)

**Note:** This procedure will install software to the C: partition of the instrument. It will not update the recovery partition. Because of this, if the recovery process is performed, the instrument will revert to how it was originally shipped from the factory. It is recommended you place a copy of the software installer on the D: partition, so you can easily perform an install in the event you need to do a recovery in the future.

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## Login as Administrator Procedure

The default user account is **Instrument**, which does not have the required permissions to install the software. For the process outlined below, ensure the Instrument user is **Signed Out**, do not use Switch User, then login as the **administrator**.


1. If the instrument is not already running, turn the instrument on and allow it to completely boot up
2. Close the instrument application by pressing the  icon on the top bar of the graphical user interface, then Exit 
3. **Sign Out** of the default user (**Instrument**): if the Windows task bar is not present at the bottom of the screen, tap the lower section of the display until the Windows task bar appears. Tap the **Windows Start** icon, select the **Change Account settings** icon  and **Sign out**.
4. At the login prompt enter (factory default indicated, if you have changed the password enter the appropriate password):
  - User name: **administrator**
  - Password: **Keysight4u!**
5. Press the Next arrow to log in

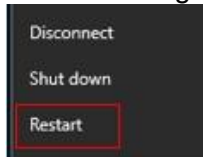
## Software Installation

If you downloaded the software installer file to the instrument via LAN, you are ready to proceed. If you downloaded the software file to a USB storage device, plug it into one of the USB ports on the front of the instrument. Copy the file to the instrument's disk drive, per Note above it is recommended to use the D: partition, then proceed.

## Microsoft .NET Framework 4.7.1

The S91x0A software requires Microsoft .NET Framework 4.7.1. If the instrument is connected to the internet, the S91x0A installer will perform the necessary update. Skip this section and proceed to [S91x0A Software](#), otherwise perform the steps below for offline installation:

1. Login as Administrator as described above. Tap the **Windows Start** icon, select **File Explorer** and navigate to the folder containing the .NET Framework 4.7.1 offline installer.
2. Double tap the filename for the .NET Framework 4.7.1 offline installer you obtained (possible name is **NDP471-KB4033342-x86-x64-AllOS-ENU.exe**).
3. Follow the prompts, at the end press Finish.
4. Restart the instrument using the **Windows Start** icon, tap on the power icon  , then



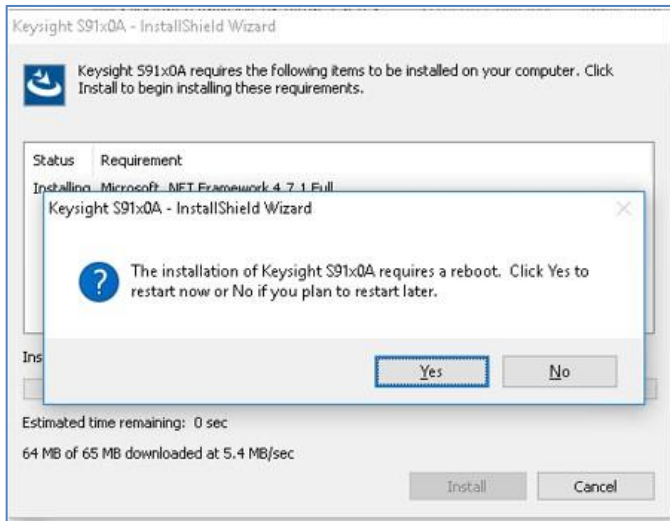
select Restart .

**Note:** If the instrument does not reboot, remove the USB storage device and cycle power. The boot order in the instrument BIOS may be configured to boot from USB first, and the internal drive second. If this is the case, failure to remove the USB device will result in an error.

5. When the instrument has completed booting, perform the [Login as Administrator Procedure](#) then continue to installing the S91x0A Software.

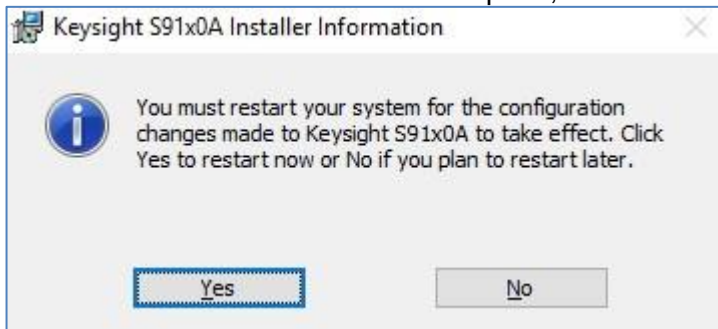
## S91x0A Software

1. Login as Administrator as described above. Tap the **Windows Start** icon, select **File Explorer** and navigate to the folder containing the **KeysightS91x0A\_X.X.X.exe** installer.
2. Double tap **KeysightS91x0A\_X.X.X.exe** to launch the installer and follow the prompts.
3. If the instrument is connected to the internet, and you did not install Microsoft .NET Framework 4.7.1 above, .NET Framework is updated, after which the instrument must be Restarted at this prompt:



When the instrument has booted, perform the Login as Administrator Procedure. The S91x0A installation will automatically resume, follow the prompts.

4. When the software installation is complete, the instrument must be restarted at this prompt:



Once the instrument has booted the installation is complete.