## Disabling Signed Driver Enforcement on Windows 8

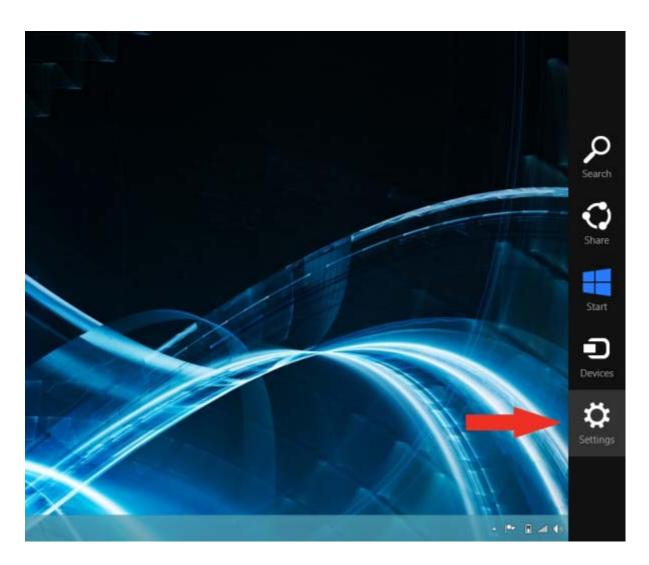
Unlike previous versions of the Windows operating system, Windows 8 imposes strict limitations on driver signing. Because of this, unsigned drivers require extra steps for installation. Be aware that you will need to complete these steps for each Arduino board and each Windows 8 computer with which you intend to use the board. This is especially important to note for educators or anyone who wants to set up a lab.

If you do not yet have an Arduino, you may consider acquiring SparkFun's Arduino-compatible <u>RedBoard</u>, as it uses <u>FTDI</u> drivers, which are signed. Windows 8 will automatically install signed drivers when you plug in your Redboard, negating the need for the steps below. However, if you already have an Arduino, we recommend you pair each Arduino with a specific computer, eliminating the need to install the necessary drivers multiple times.

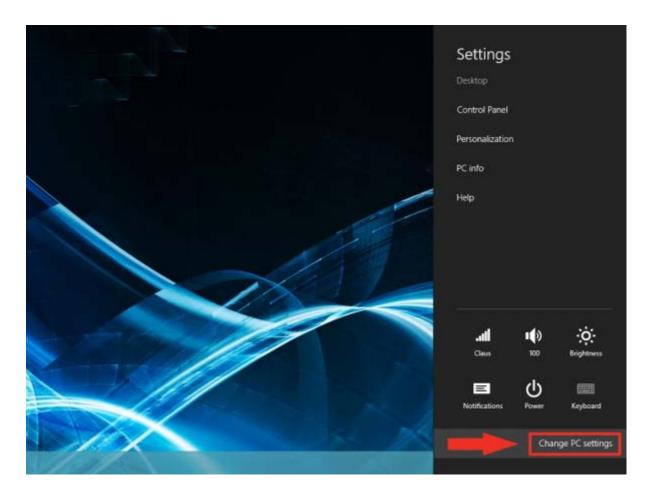
You will need to restart your computer several times throughout the course of these instructions. We recommend you print them before you begin, or use a separate computer to follow along.

## What to do:

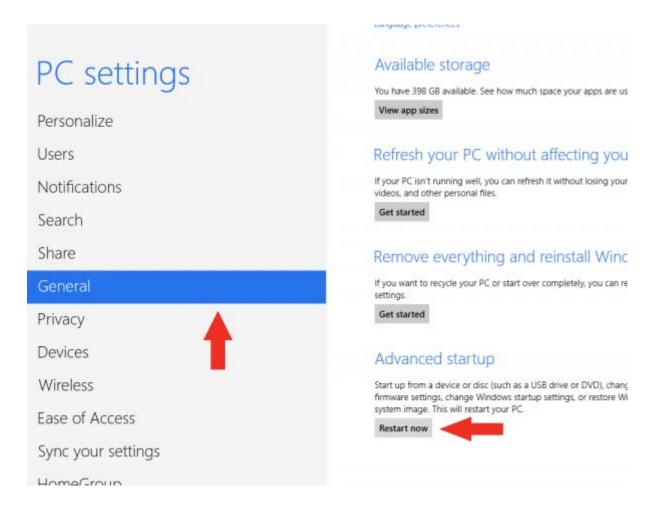
1. Hold down the Windows key on your keyboard and press the letter C to open the Charm menu, then click the gear icon (Settings).



## 2. Click More PC Settings.

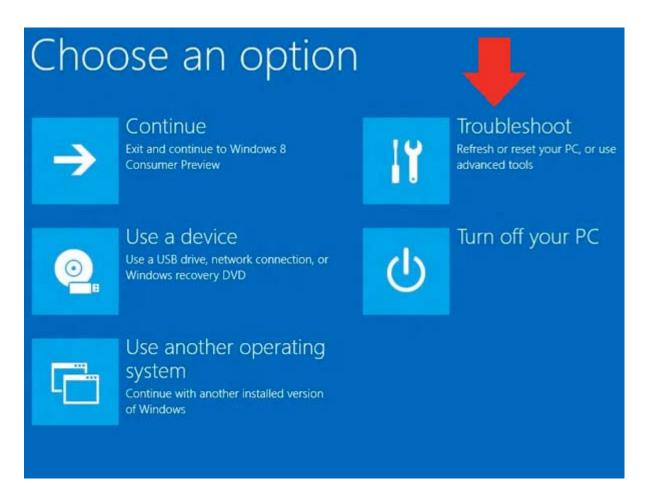


- 3. Click General.
- 4. Under Advanced Startup, click Restart Now.



**NOTE:** In Windows 8.1, the 'Restart Now' button has moved to 'PC Setting -> Update & Recovery -> Recovery.'

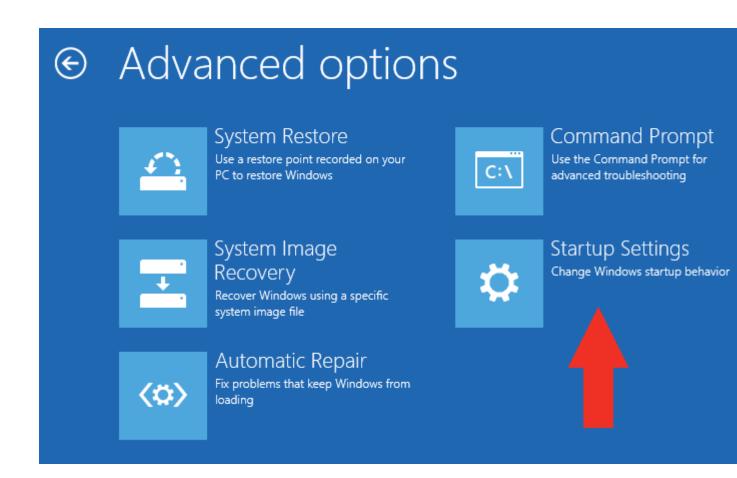
5. After restarting, click **Troubleshoot**.



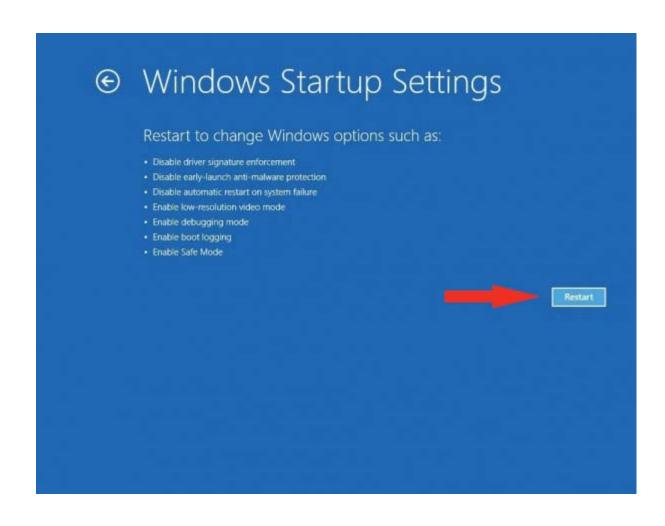
6. Click Advanced Options.



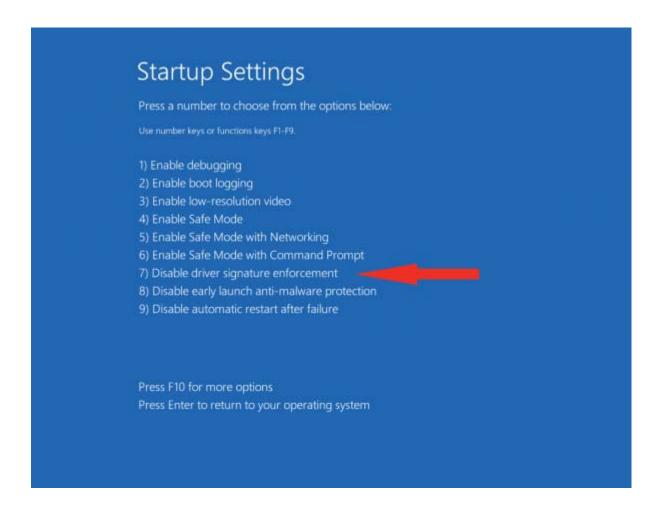
7. Click Windows Startup Settings.



## 8. Click **Restart**.



9. After restarting your computer a second time, choose **Disable driver signature enforcement** from the list by typing the number 7 on your keyboard.



Your computer will restart automatically.

10. After restarting, you will be able to install the Arduino drivers normally; however, Windows will display a warning message. When the warning appears, click **Install this driver software anyway**. If you are unfamiliar with installing Arduino drivers, check out our <u>Installing Arduino</u> tutorial for a step by step guide.



**Note:** The next time you restart your computer, driver signature enforcement will be in effect again. You will have to repeat this process for any new boards. If you have multiple boards to use with the same computer, we recommend installing the drivers for each one before you shut down or restart your computer.