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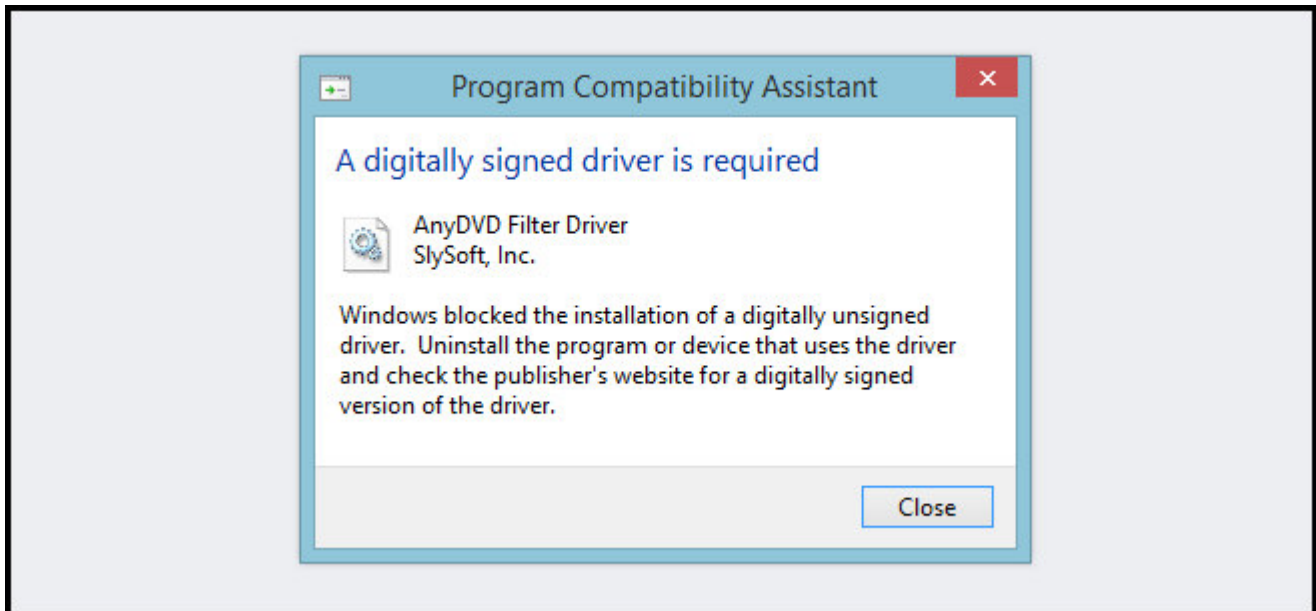
Technical Bulletin.

64-Bit Windows 8.1 or 10 Install EasyTime USB Reader's Unsigned Driver

Date	Revision
25/09/15	1.0

Although the EasyTime USB Reader's driver is just an inf file referencing Microsoft's standard USBSer.sys driver, recent 64-bit versions of Windows might not let it be installed.

Also, on Windows 10, Windows might not request a driver and identify the reader as a standard USB com port – this is ok except that EasyTime might not identify the reader and so require manual port selection.



64-Bit editions of Windows require digitally signed drivers. The problem is that many devices ship with unsigned drivers. Today, we'll show you how to install them regardless.

Digitally signed drivers include an electronic fingerprint that indicates which company the driver was produced by as well as an indication as to whether the driver has been modified since the company released it. This increases security, as a signed driver that has been modified will no longer have an intact signature. Drivers are signed using code signing certificates.

How to Disable Driver Signature Verification on 64-Bit Windows 8.1 or 10

To disable driver signature verification, we're going to need to get into the Troubleshooting options from the boot manager. The easiest way to bring this screen up is using a secret trick.

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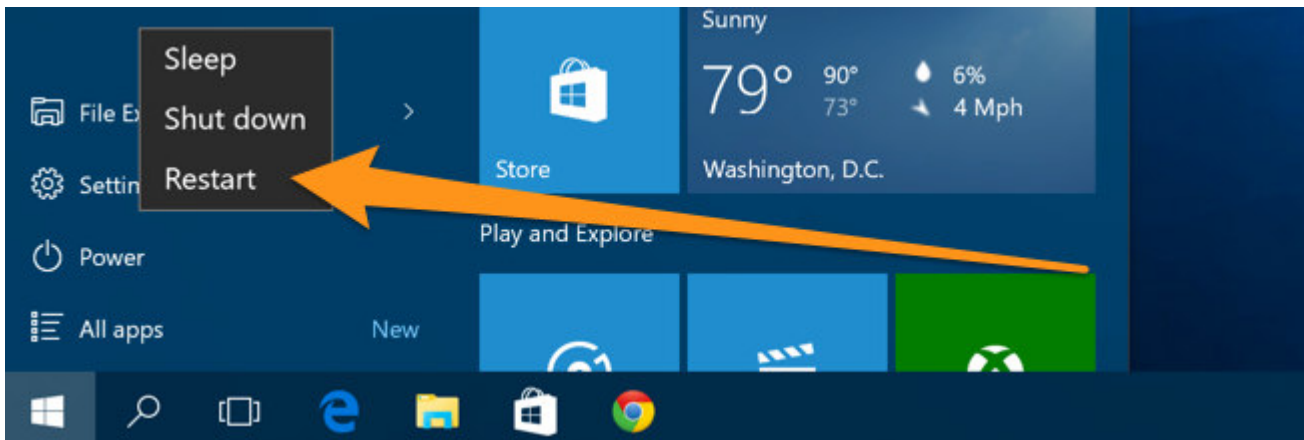
The information contained in this document is correct to the best of our knowledge. However, where third-party products are involved we cannot be held responsible for errors and omissions – please check with the manufacturer for up to date information.

E. & O.E.

64-Bit Windows 8.1 or 10 Install EasyTime USB Reader's Unsigned Driver.doc

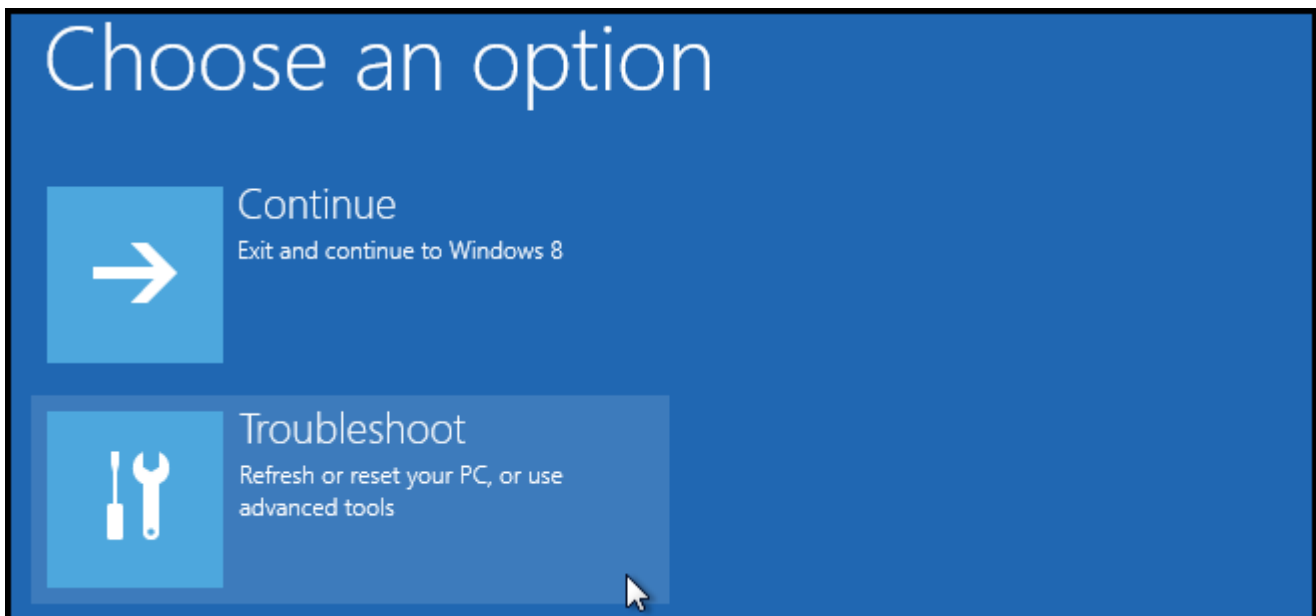
Simply select Restart from the power options menu (on Windows 8 that's under Charms or on the login screen, and in Windows 10 it's on the Start Menu).

Hold down the SHIFT key while you click Restart.

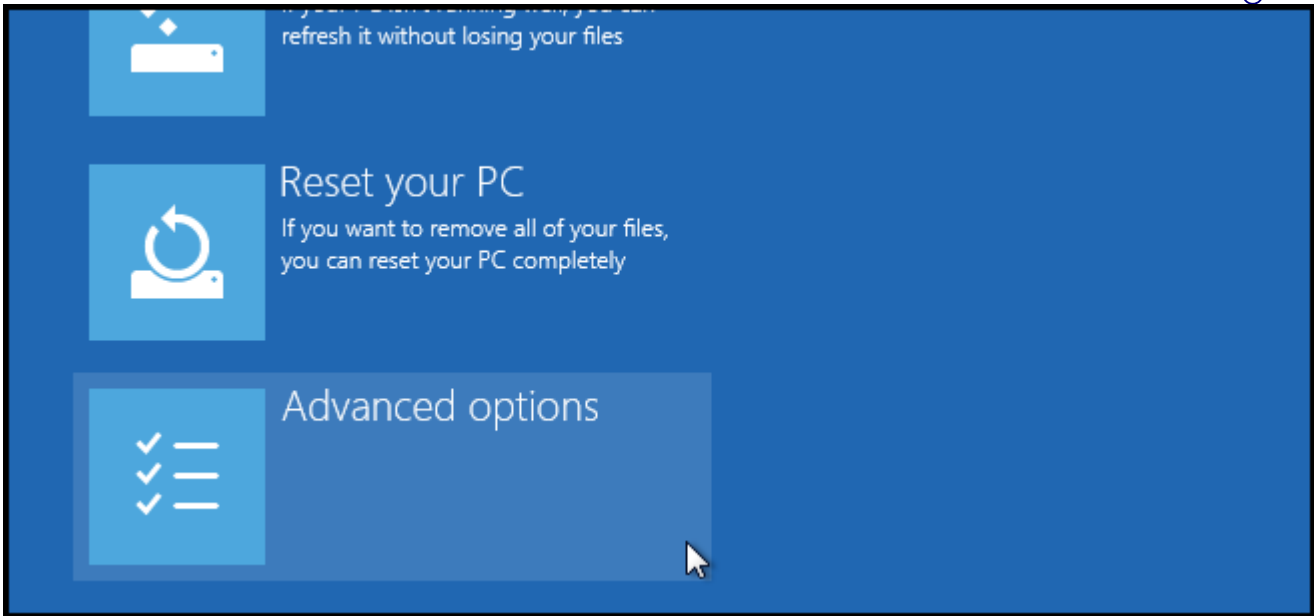


(Again, you can use this trick on any of the power menus in Windows 8 or 10, whether on the login screen, Charms bar, Start Menu, or Start Screen)

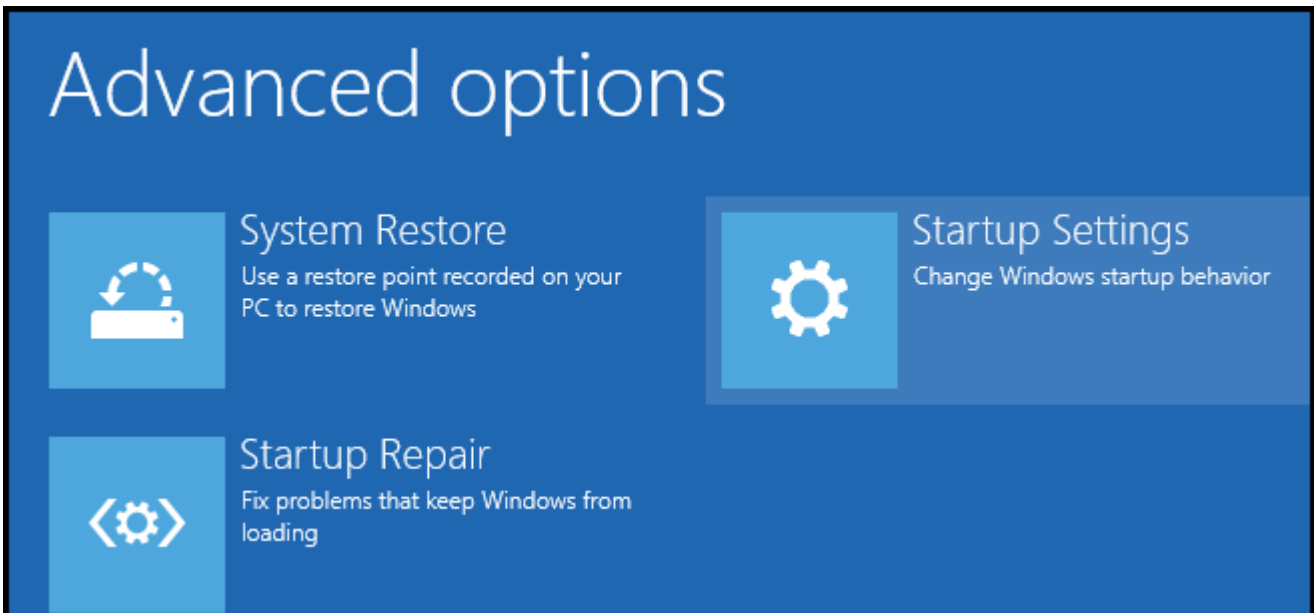
Once your computer has rebooted you will be able to choose the Troubleshoot option.



Then head into Advanced options.



Then Startup Settings.



Since we are modifying boot time configuration settings, you will need to restart your Computer one last time.

Restart to change Windows options such as:

- Enable low-resolution video mode
- Enable debugging mode
- Enable boot logging
- Enable Safe Mode
- Disable driver signature enforcement
- Disable early-launch anti-malware protection
- Disable automatic restart on system failure

Restart

Finally, you will be given a list of startup settings that you can change. The one we are looking for is “Disable driver signature enforcement”. To choose the setting, you will need to press the F7 key.

Startup Settings

Press a number to choose from the options below:

Use number keys or functions keys F1-F9.

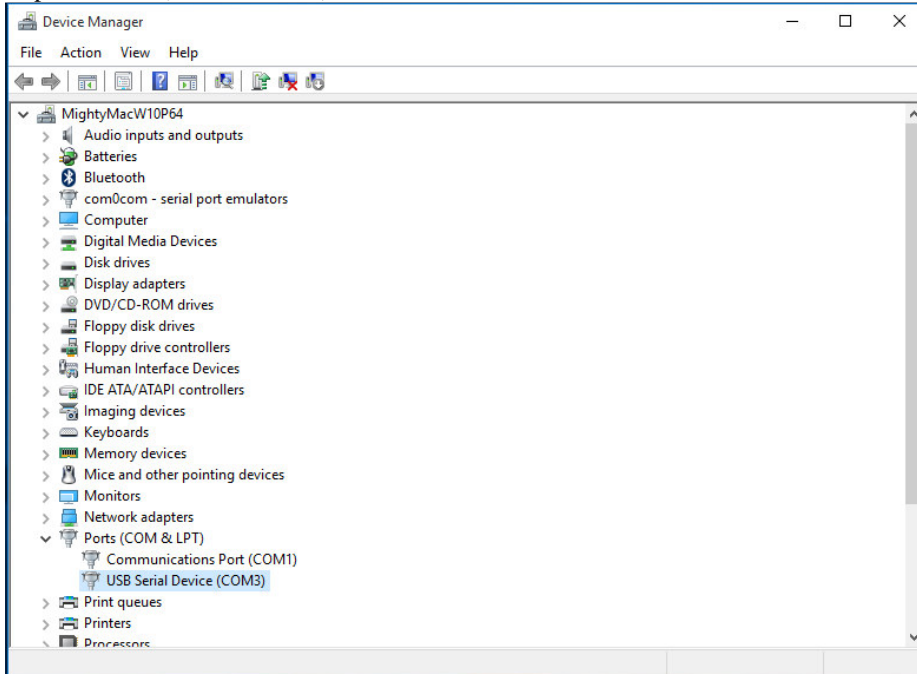
- 1) Enable debugging
- 2) Enable boot logging
- 3) Enable low-resolution video
- 4) Enable Safe Mode
- 5) Enable Safe Mode with Networking
- 6) Enable Safe Mode with Command Prompt
- 7) Disable driver signature enforcement
- 8) Disable early launch anti-malware protection
- 9) Disable automatic restart after failure

Your PC will then reboot and you should be able to install unsigned drivers without any error message.

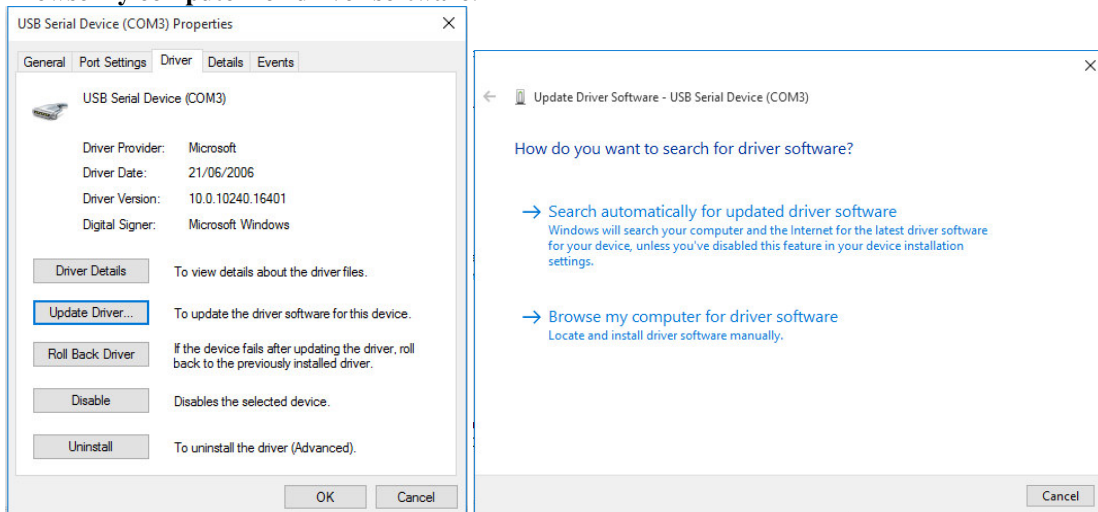
Meanwhile, Windows might not request a driver and identify the reader as a standard USB com port, if so you should be able to select the correct driver via Device Manager.

Open Device Manager via the **Control Panel**, My **Computer Properties** or by simply searching for “**Device Manager**”.

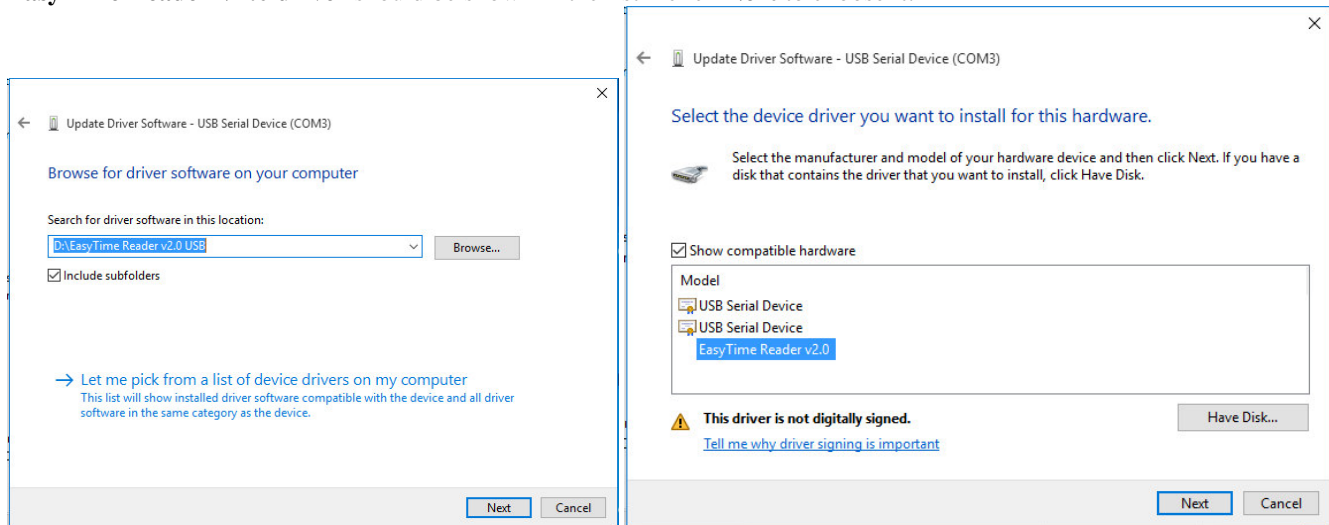
Expand Ports (COM & LPT)



Double click on the **USB Serial Device** to show its **Properties** page, select the **Driver** tab, click **Update Driver** and then click on **Browse my computer for driver software**:



Click on **Let me pick from a list of device drivers on my computer**. If the previous steps have been followed, the unsigned **EasyTime Reader V2.0** driver should be shown in the list – click **Next** to choose it:



Windows should then update the driver, close this page and the properties page - Device Manager shows the updated device type:

