

WOT Box Software Instructions

You will need:

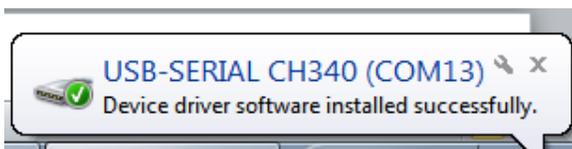
- Laptop computer with Windows XP or later
- WOT Box
- Installed WOT Box harness or AC Adapter
- USB to Serial Adapter (included in the WOT Box kit)
- WOT Box Software ([available here](#))

The HL-340 USB to Serial Adapter

If your USB to Adapter says "HL-340" on it as shown below, you will likely not need to install drivers. Plug the USB to Serial adapter into your computer. If your adapter looks different or has a different number, skip to the next section.



Windows 7 will automatically download drivers from the internet, and display the message below.



If you click on the pop-up message, more information will be available, as shown below.

USB-SERIAL CH340 (COM10) installed

USB-SERIAL CH340 (COM10)

✓ Ready to use

Close

If the driver does not automatically install, install this driver and restart your computer: [CH341SER.zip](#)

The PL-2303 USB to Serial Adapter

If your USB to Adapter says "HL-2303" on it or looks like any of the pictures below, follow these instructions.



Install the following driver if you have **Windows 2000** or **Windows XP 32-bit**:

[PL-2303DriverInstaller.exe](#)

Install the following driver if you have **Windows Vista 32-bit**:

[PL-2303VistaDriverInstaller.exe](#)

Install the following driver if you have **Windows XP 64-bit**, **Vista 64-bit**, **Windows 7** or **8**:

[PL2303 Prolific GPS AllInOne 1013.exe](#)

Ignore the driver CD that is included in the package.

If you are not sure if you have 32-bit Windows or 64-bit Windows, you **MUST** check with this link:

<http://support.microsoft.com/kb/827218>

Using the WOT Box Software

1. Connect the Serial Cable or USB to Serial adapter to the WOT Box Serial Port and to your computer.
2. Turn your key to the "on" position.

Note: If the WOT Box does not remain powered with the key in the "on" position without the engine running, then you will need to start the car to be able to use the User Interface Software, or use our AC adapter, available from our website at: <http://www.n2mb.com/wotbox>

Known cars that require this are the Dodge Neon SRT-4 and the Audi A4.

3. Open the WOT Box Software.
4. Select the COM port that matches the USB to Serial adapter. If you don't know which port that is, see the troubleshooting section below.
5. After you have selected the correct COM port, click READ. The software will download the current settings in the WOT Box. Make your desired changes and then click WRITE to set them in the WOT Box.

Configuring the WOT Box to match your car

1. Click the Down Arrow next to the RPM Source Box. If your instructions say to connect the YELLOW WOT Box Wire to a crank position sensor or cam position sensor and your vehicle is listed, select your vehicle. If not, if your set of instructions say to connect the YELLOW WOT Box Wire to an ignition signal, select OTHER-Ignition Signal, and if your set of instructions say to connect to a fuel injector, select OTHER-Fuel Signal.
2. Next, make sure that the number of cylinders box is correct. Once you have set the number of cylinders, click WRITE to program your changes.
3. If your car is not running at this point, start your car. Click READ again and verify that the RPM Box in the lower left shows your idle RPM. If the number of cylinders is correct but the RPM isn't, check the instructions to make sure that you've selected the right signal and check your wiring. Remember, the WOT Box GUI only reads a snapshot- you have to press WRITE after you make changes in the GUI or READ if you make changes to the wiring.
4. Make sure that the clutch and accelerator pedals are up, and press read.
5. If the TPS box in the lower left reads DN, click the checkbox for Inverted TPS and click WRITE.
6. If the Clutch box in the lower left reads DN, click the checkbox for Inverted Clutch and click WRITE.
7. If you made any changes, press read and make sure that both TPS and Clutch read UP. If these still don't read correctly, check your wiring.
8. Press the clutch down and click READ. Make sure that the clutch box reads DN.
9. Press the accelerator down and click read, making sure to lift off of the accelerator quickly enough to keep from hitting the rev-limiter. Alternately, if your car keeps the WOT Box powered without the engine running, this test is much easier to run with the engine off, but key on. You can keep the accelerator floored and then click read.
10. Make sure that the TPS box reads DN. If not, check your wiring.
11. Unplug from the WOT Box serial port and test the WOT Box as outlined in your set of directions.
12. At any point you may re-connect the WOT Box to your computer and the WOT Box GUI to change settings to your liking. DO NOT TRY TO USE THE WOT BOX FEATURES OR DRIVE THE CAR WHILE READING, WRITING, OR LOADING FIRMWARE.

Troubleshooting

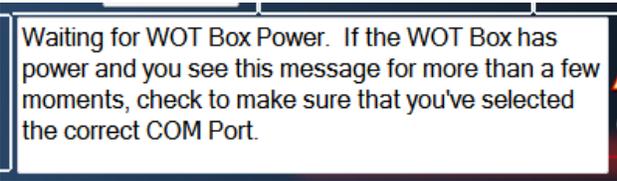
1. If the program fails to run or displays an error message and crashes, you may need to install the .NET framework from Microsoft on your computer. This is available from Microsoft for the following operating systems:
[Windows 2000](#)
[Windows XP](#)
Windows Vista and Windows 7 - Not needed
2. Another trick you may need to do to get the application to run is to right click on the application instead of double clicking on it to launch it, and select "Run as Administrator".
3. You can be sure you have the right com port by doing the following. Close the WOT Box Software and unplug the USB to serial adapter. Open the software and note all the comm ports that are

listed. The correct one will not be any of these. Close the software again. Reconnect the USB to Serial adapter to the computer. Restart the WOT Box Software. The new comm port that shows up will be the right one. If no new ports show up, then you need to install or reinstall the driver for the USB to serial adapter. The drivers are available at the start of this document.

Recovery Procedure

If your WOT Box stops responding and isn't fixed by powering it off and then on, then you may have lost your settings and must perform the Recovery Procedure.

1. Connect the WOT Box to the computer with the serial cable and make sure that the WOT Box DOES NOT have power.
2. Open the User Interface, select your COM Port, click either the single or dual feature box (depending on your WOT Box), and click LOAD FIRMWARE.
3. When you see the message below, power on the WOT Box by turning your key to the "on" position.



Waiting for WOT Box Power. If the WOT Box has power and you see this message for more than a few moments, check to make sure that you've selected the correct COM Port.

4. Note: If your vehicle does not provide power to the WOT Box with the key in the "on" position without the engine running, you will need start your car in this step. Start from the "off" position and smoothly but quickly go to the "start" and then "on" position after the engine has started. This will allow continuous power to be provided to the WOT Box to allow the firmware upgrade to complete. Known cars that require this are the Dodge Neon SRT-4 and the Audi A4.

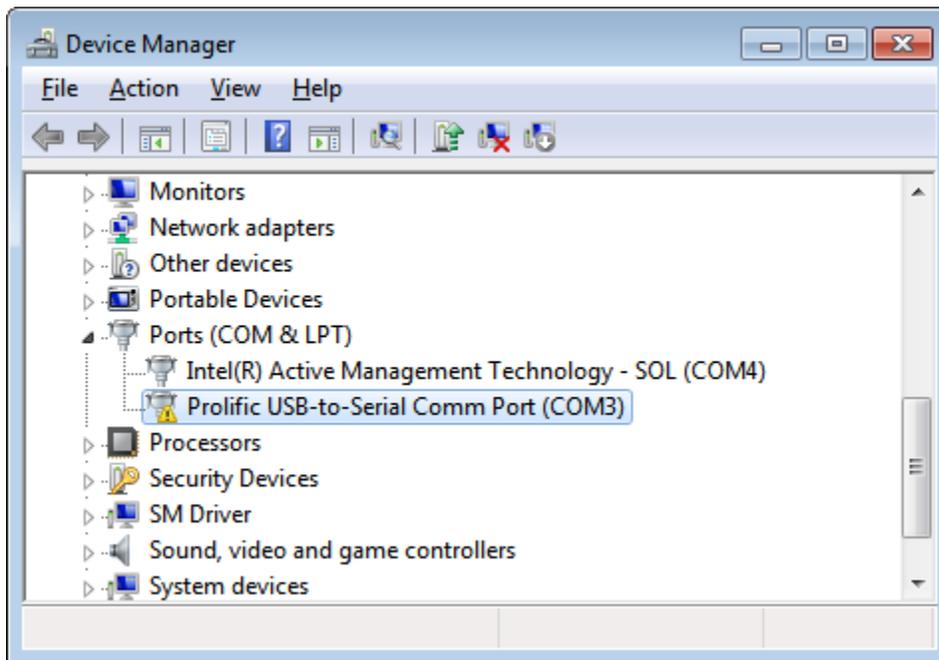
If you've performed the procedure correctly, the WOT Box will be programmed and the interface will display the stock settings. Once you see this, the recovery procedure is complete, and you can change settings again.

Fixing the PL-2303 USB to Serial Drivers

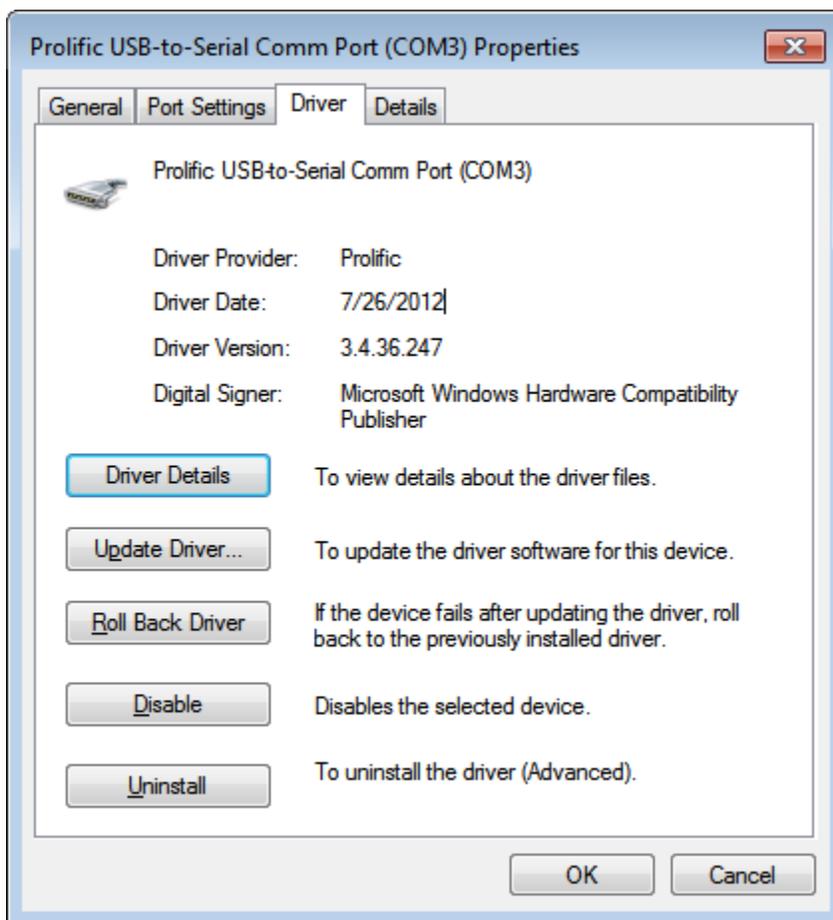
If you cannot connect to the WOT Box, the USB to Serial driver is likely the problem.

1. First, make sure you have installed this driver for **Windows 7 or 8**:
[PL2303 Prolific GPS AllInOne 1013.exe](#)
2. The first time you run it, it may ask you to uninstall another driver. Complete the process and reboot the computer. Then run the installation again.
3. Next, plug in the USB to Serial adapter.
4. Open the Windows Device Manager by clicking **Start**, and then **Control Panel**.
5. Click **Hardware and Sound** or **Device Manager**.
6. Click **Device Manager**.

7. Double click on the **Prolific USB-to-Serial Comm Port** to open the properties. You will likely see a yellow exclamation mark next to it, indicating that it is not working.,

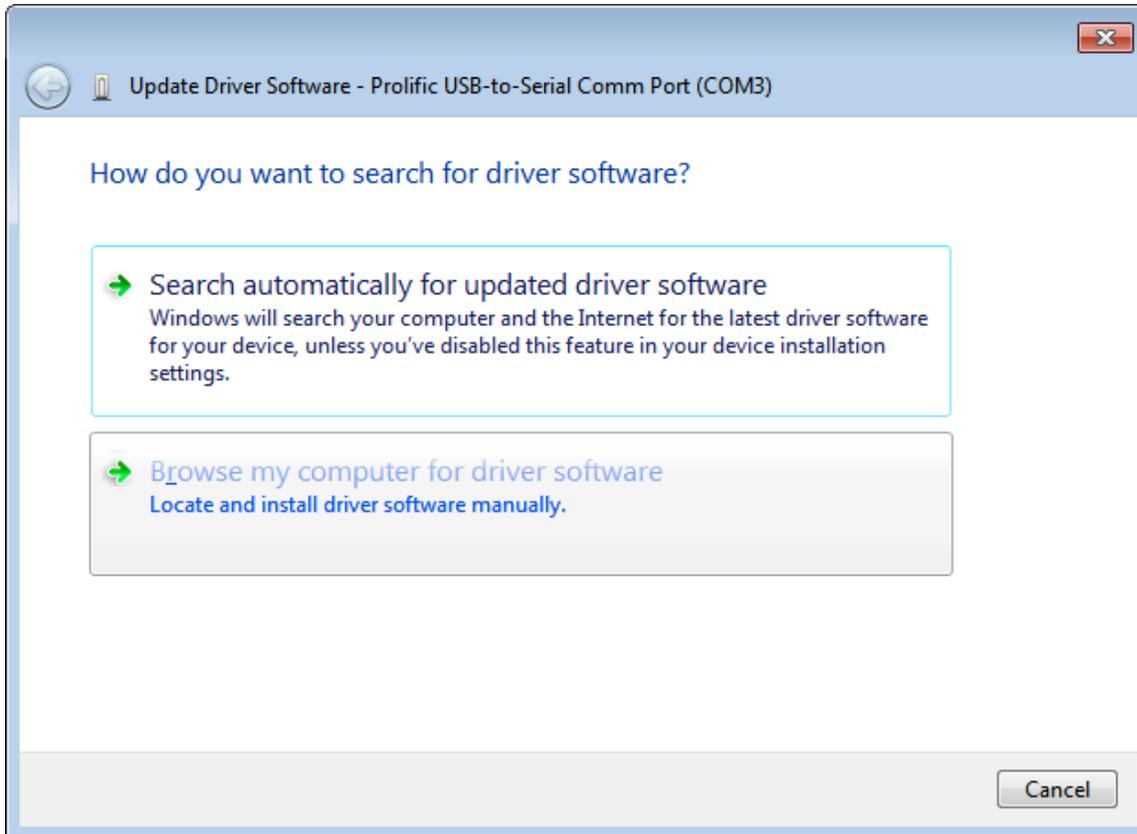


8. Click on the **Driver** Tab.

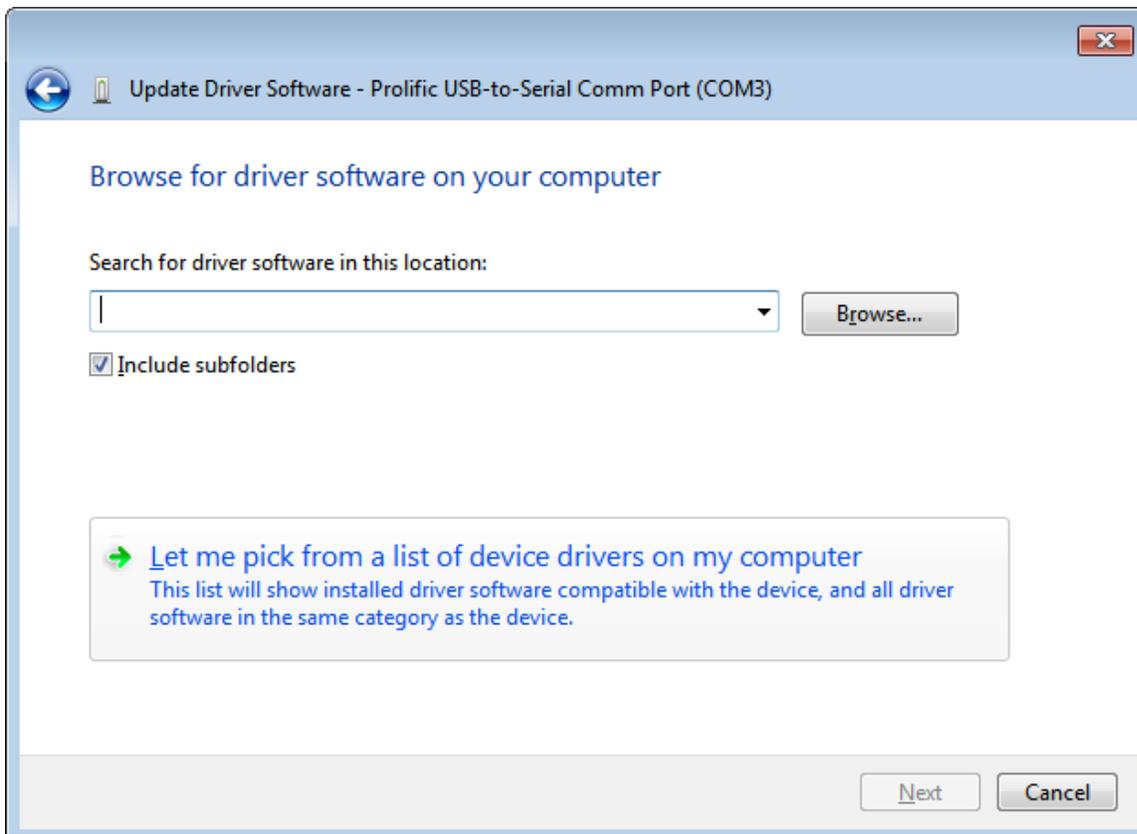


9. Click on the **"Update Driver..."** button.

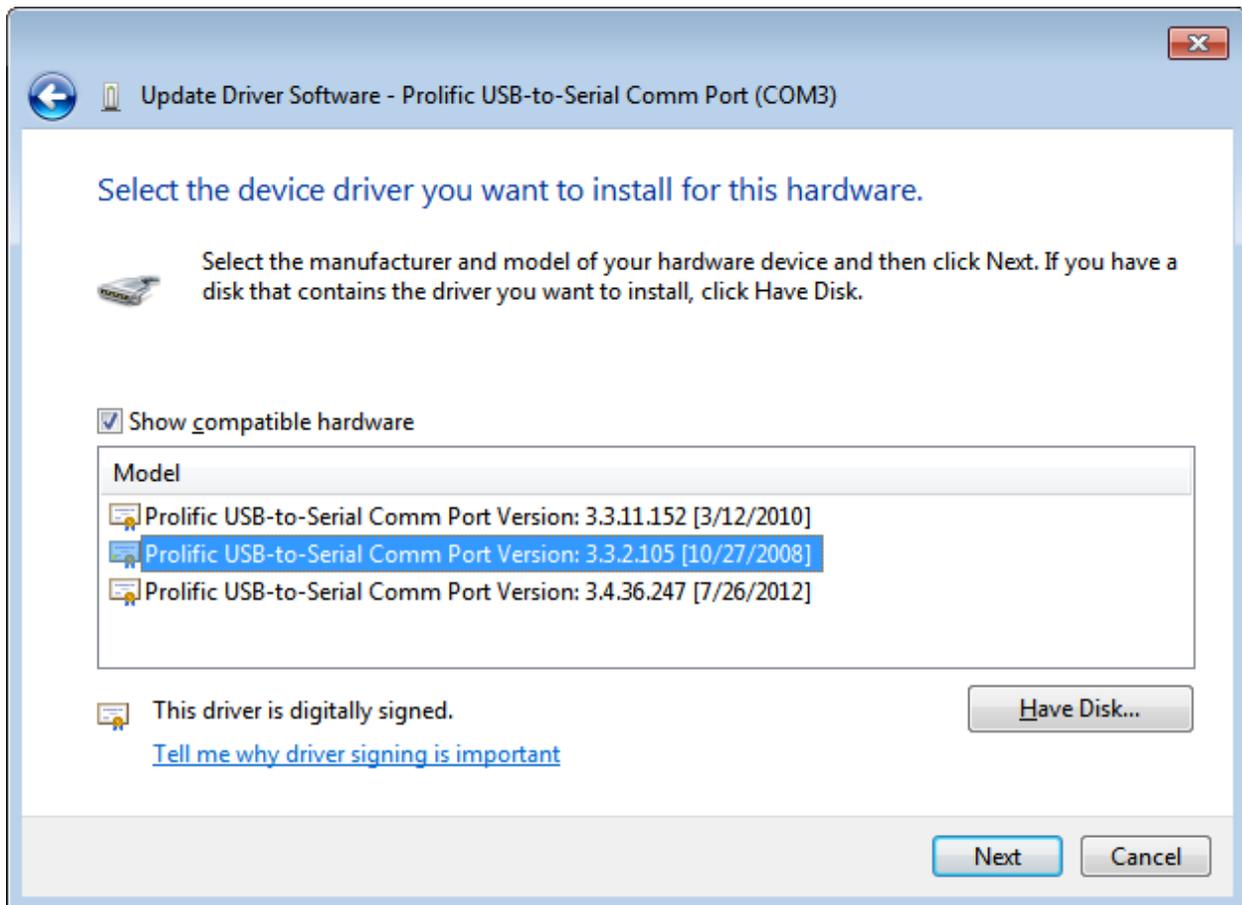
10. Click on **“Browse my computer for driver software”**



11. Click **“Let me pick from a list of device drivers on my computer”**



12. Finally, select “**Prolific USB-to-Serial Comm Port Version: 3.3.2.105 [10/28/2008]**”. Any other version will not work. If this version is NOT available, return to step 1 and reinstall the driver.



13. Click “**Next**” and “**Close**”. If the computer asks you to reboot, you may do that.
14. The exclamation point next to the USB to Serial adapter should now be gone. You will be able to connect to the WOT Box, using the com port listed on your screen.

