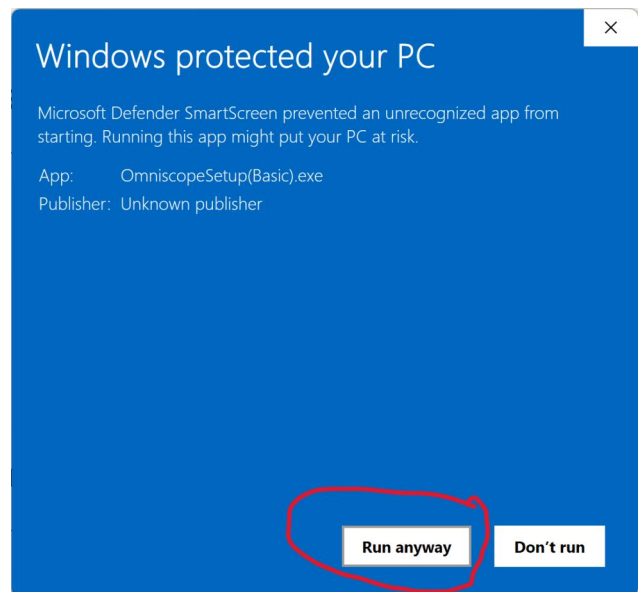
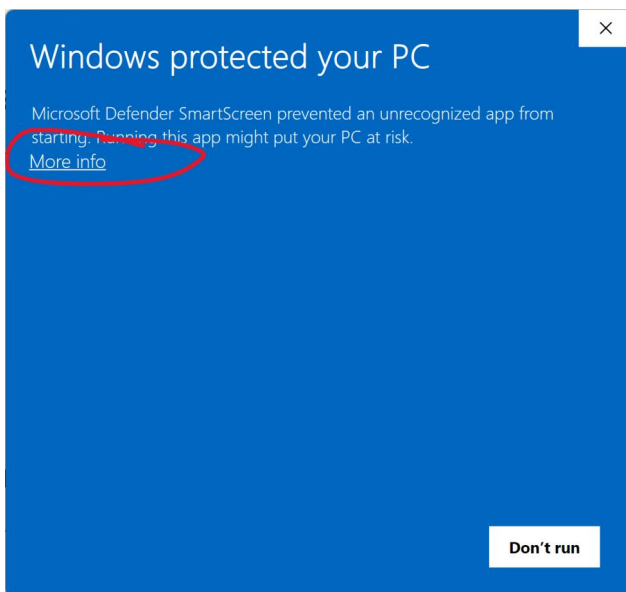




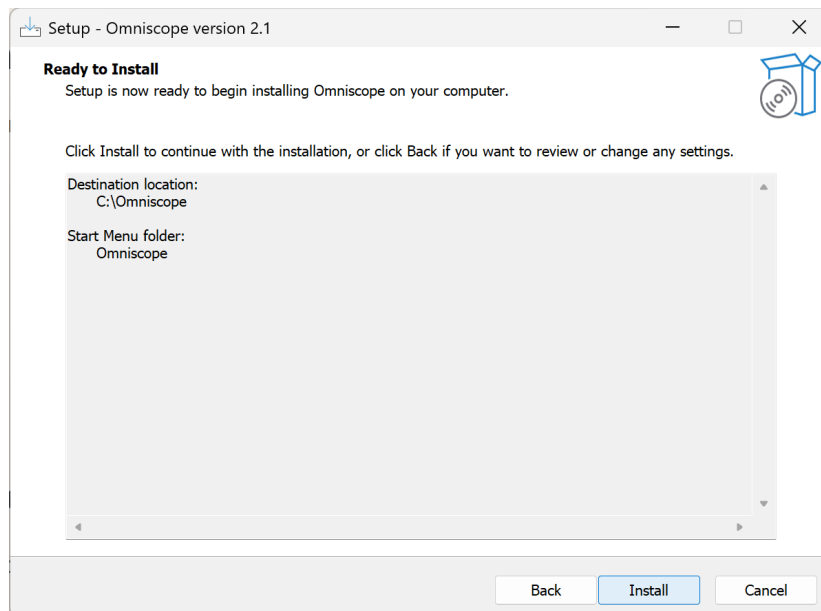
Trillium Electronics LLC
1556 Industrial Way SW
Albany, OR 97322
541-780-0519
tech@trilliumelectronics.com

Omniscope Install Guide

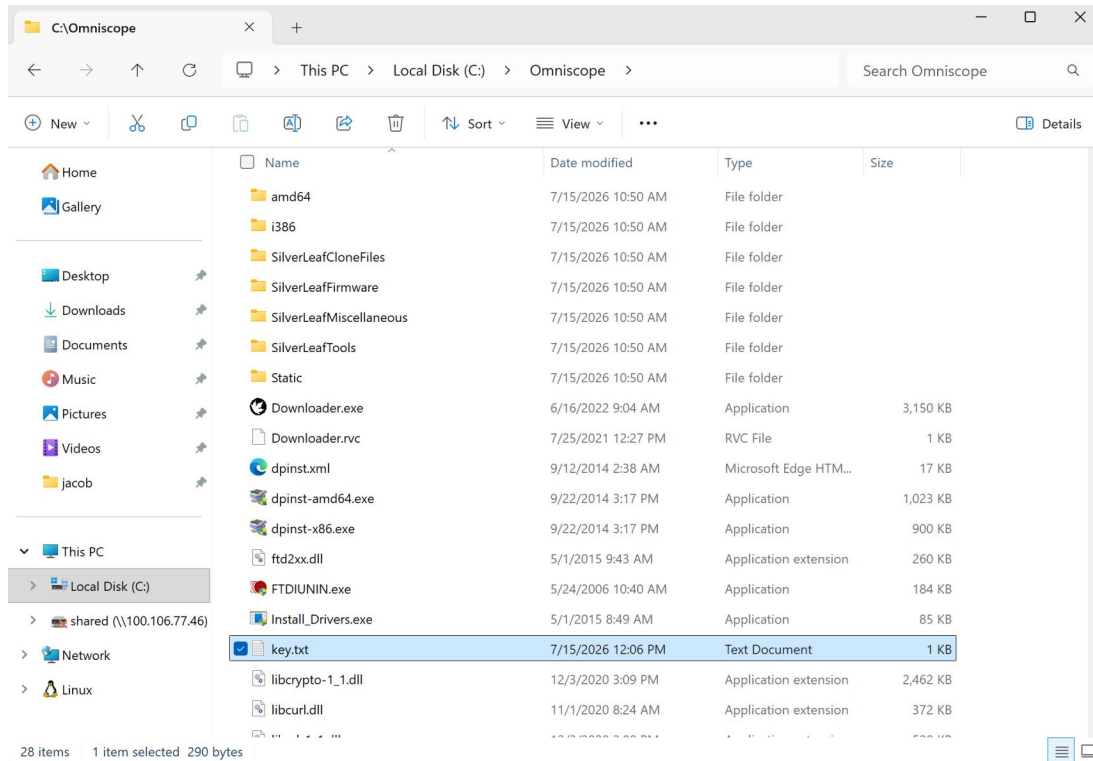
- 1) To install Omniscope, go to trilliumelectronics.com/omniscope and click the download link near the bottom to get the installer for Windows.
- 2) Once the installer is downloaded you can run it, ignore the Microsoft Defender warning, click “More info”, and click “Run anyway”.



- a) Accept the license and select the location to install Omniscope. Go through the last couple prompts and let it finish installing.



- 3) You can now copy your key.txt for your Omniscope device into the Omniscope folder in the location you selected in the installer (by default C:\Omniscope).



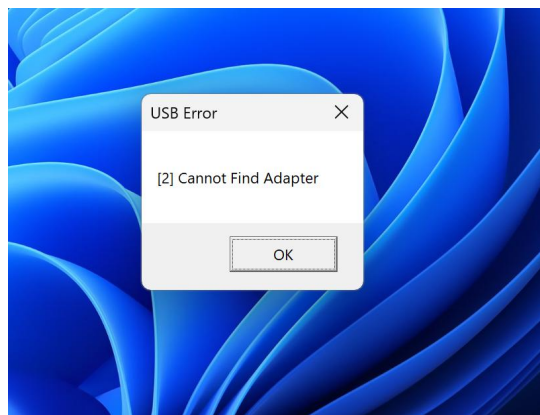
Newer OB Omniscope:



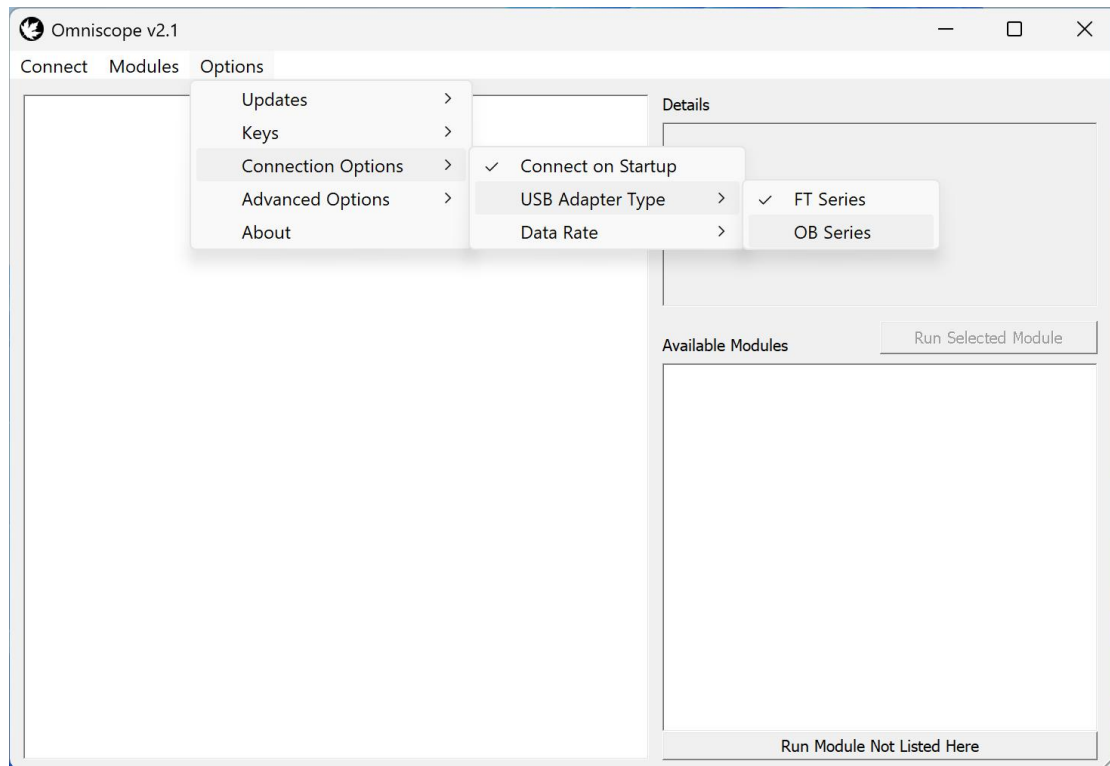
Note for Windows 7 & 8, you will need to manually install the drivers for OB Omniscope devices.
https://temp.trilliumelectronics.com/temp/OmniScope2/OB001_Virtual_COM_stm32102.zip

Omniscope defaults to looking for the older FTDI Omniscope by default.

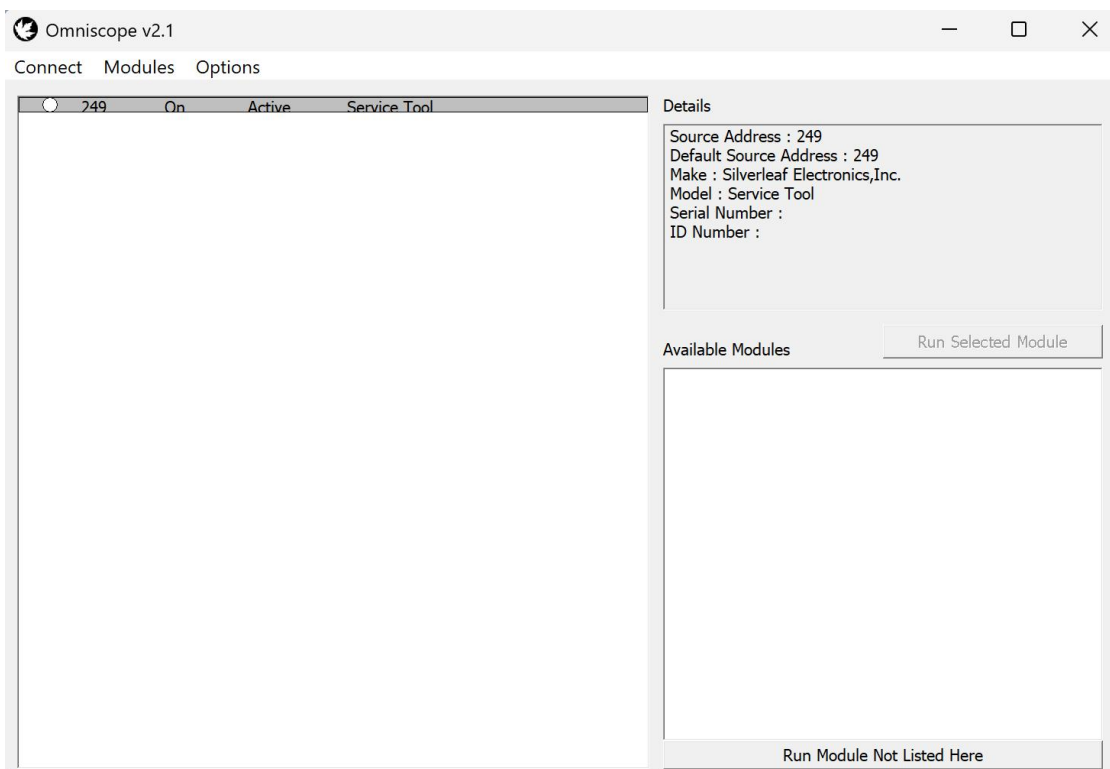
- 4) When you first open Omniscope, you will see the warning “Cannot Find Adapter”. Click OK and the Omniscope Application will open.



- 5) Under Options, in Connection Options, set USB Adapter Type to “OB Series”.



- 6) Close and reopen Omniscopes. You should now see no warning when Omniscopes starts up, and you should see Service Tool in the Device List, as well as any other devices connected to your RVC network.



Older FTDI Omniscope:



The older FTDI Omniscope device requires installing custom drivers for them to work.

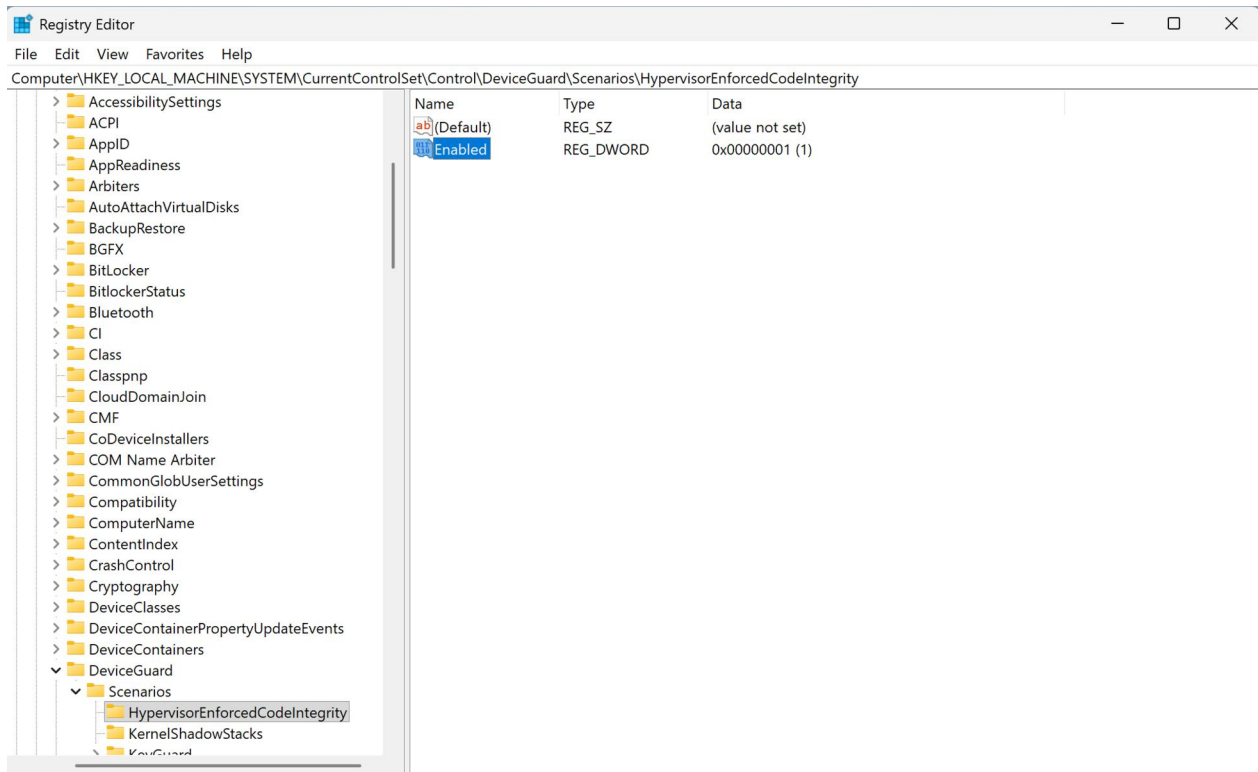
4) Download

https://temp.trilliumelectronics.com/temp/OmniScope/OMNIscope_Signed_Drivers_10-17-2014.zip, unzip, and run Install_Drivers.exe.

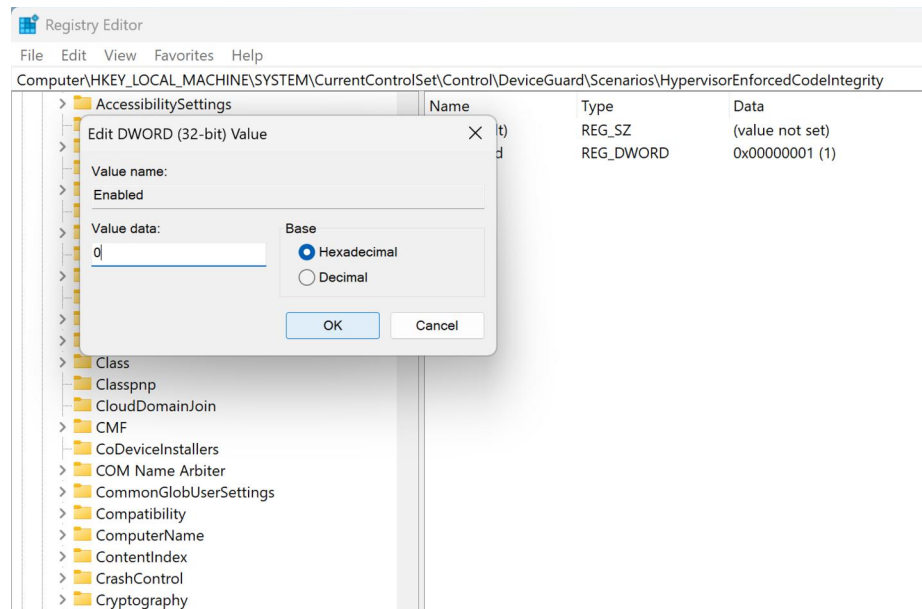
5) At the moment we have not recently signed the drivers needed for these devices, so on Windows 11 you will get a popup “A driver cannot load on this device.” If you see this message, turning off Core Isolation Memory integrity is required to use these devices on your computer.

- a) Press Win + R to open the Run dialog box, type regedit and press Enter. Paste the below path in the address bar.

Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceGuard\Scenarios\HypervisorEnforcedCodeIntegrity



b) Double click on the Enabled item and change the value from 1 to 0 and press OK.



6) You will need to reboot for the policy change to take effect.

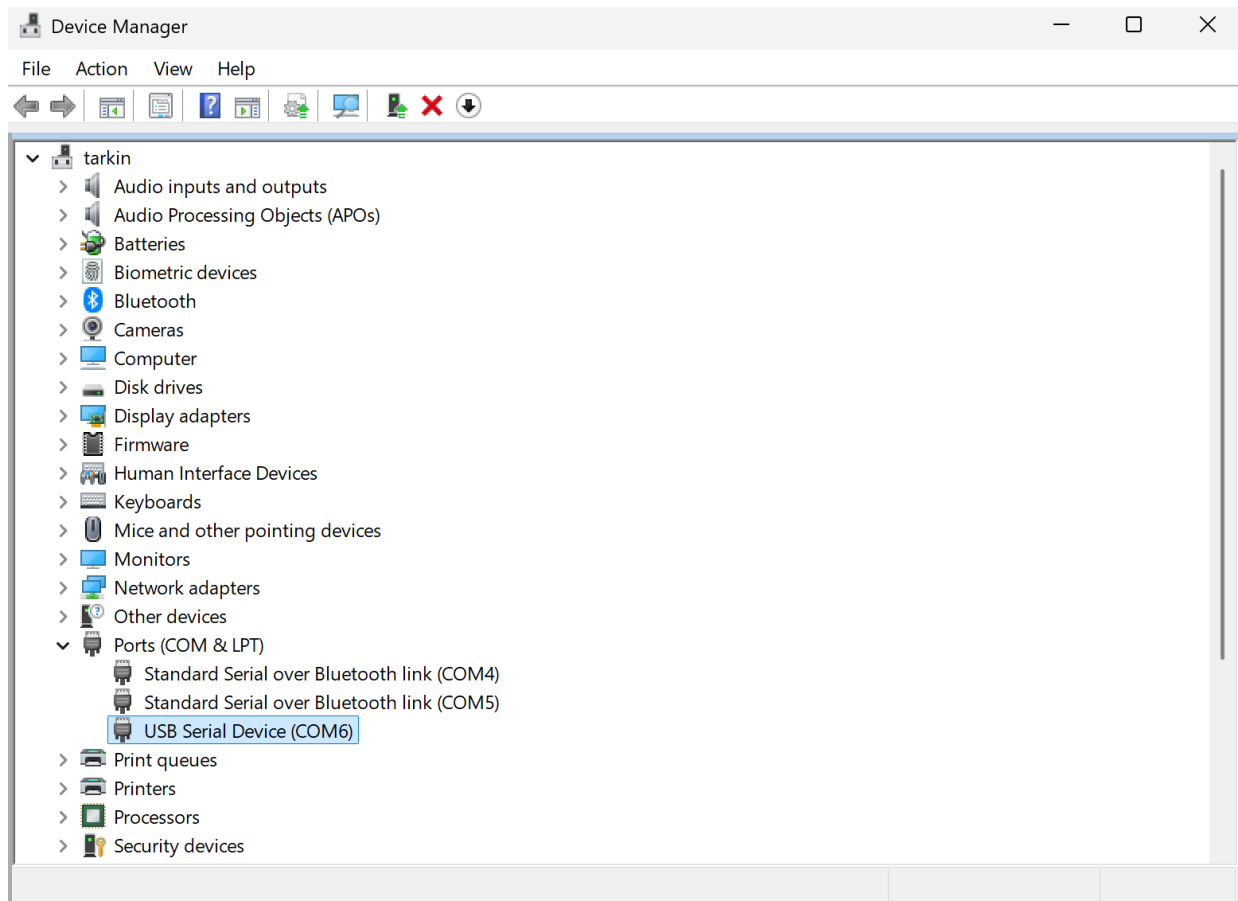
a) We hope to sign updated versions of our drivers soon in the future so these steps are no longer necessary and you can turn Memory integrity back on.

7) You should now see no warning when Omniscope starts up, and you should see Service Tool in the Device List, as well as any other devices connected to your RVC network.

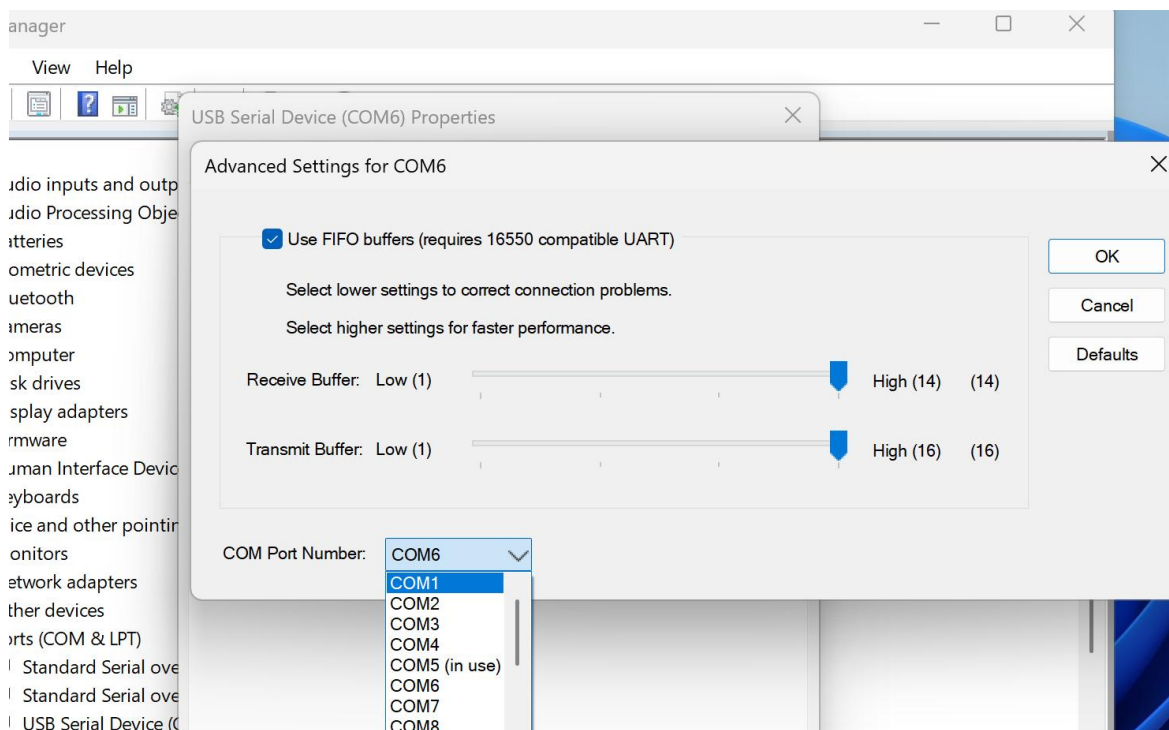
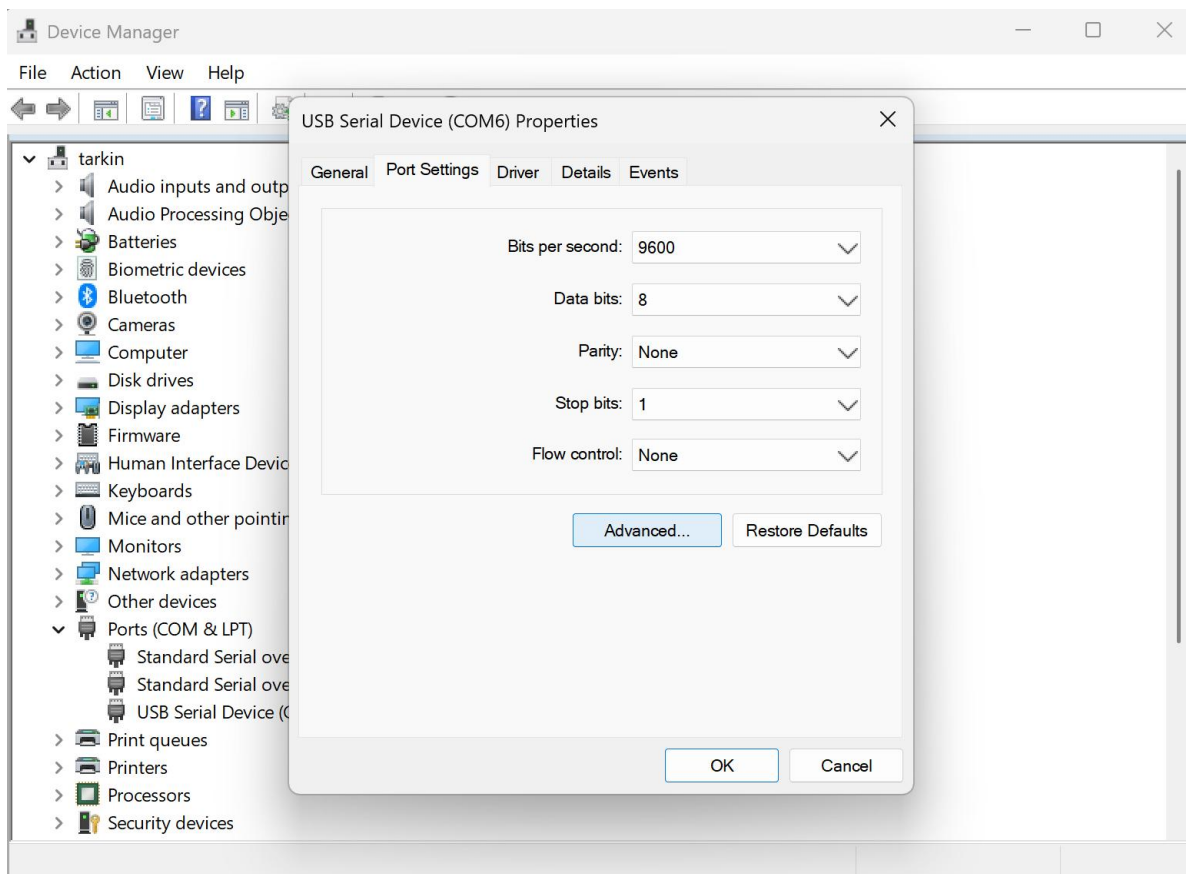
Security Note: Memory Integrity protects your system by preventing malicious code from hijacking high-security processes. Disabling it can make your system more vulnerable to advanced malware, so it is generally recommended to keep it on unless a specific hardware driver or software conflict requires you to temporarily disable it.

FAQ:

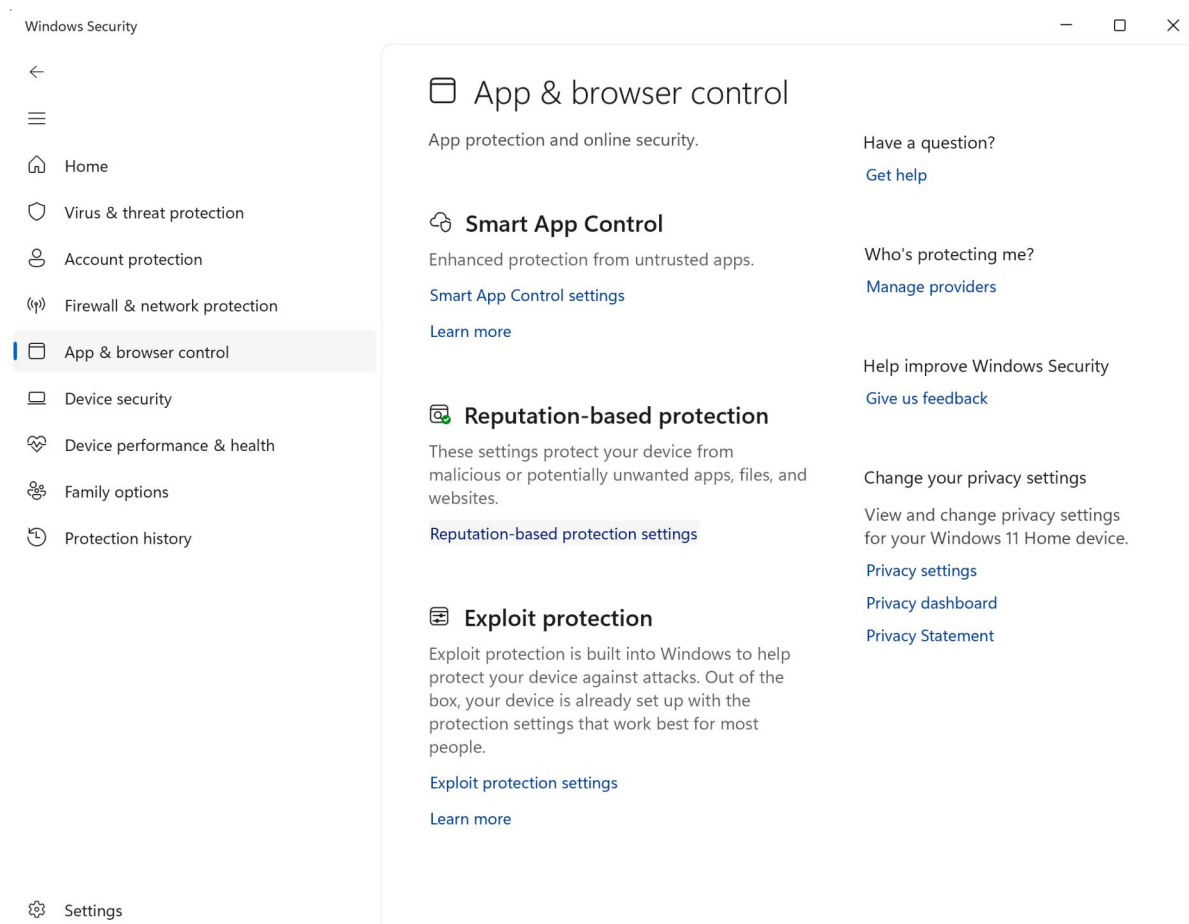
1. I try to open Omniscopes and the window never shows up.
 - Some devices have builtin bluetooth modules that Omniscopes thinks is an OB device and it gets stuck trying to initialize using the bluetooth device.
 - 1. Open Device Manager, open the drop down for Ports (COM& LPT), you will see “USB Serial Device” and probably at least one bluetooth or other COM port device with a smaller port number.
 - a) You can unplug and plug back in the OB device to verify you’ve identified the correct one.
 - 2. Double click it to open properties, go to the Port Settings tab



3. Click Advanced..., and change the COM Port Number to the first available COM port not in use, and click OK.



4. Unplug and replug the OB device again and open Omniscope. It should be able to find the OB box correctly now.
2. I can open Omniscope, but when I try to open some device modules they never open.
 - Sometimes Microsoft Defender SmartScreen will silently block device modules from opening when opened through Omniscope. This usually happens for modules you added in addition to what was installed with the Omniscope installer.
 1. The best way to get around this is to locate the module in your Omniscope folder and open it from there once, allowing it to be opened the same way the Omniscope installer had to be allowed in step 2.
 2. If you find this too tedious because you have lots of modules being blocked, you can turn off SmartScreen in Windows Security → App & browser control → Reputation-based protection settings → Check apps and files.



Windows Security



Home



Virus & threat protection



Account protection



Firewall & network protection



App & browser control



Device security



Device performance & health



Family options



Protection history



Reputation-based protection

Have

Get

These settings protect your device from malicious or potentially unwanted apps, files, and websites.

Help

Give

Check apps and files

Microsoft Defender SmartScreen helps protect your device by checking for unrecognized apps and files from the web.



Check apps and files is off. Your device may be vulnerable. [Dismiss](#)



Off

Cha

View

for

Priv

Priv

Priv

SmartScreen for Microsoft Edge

- a) You should still see a Security Warning window, in which it is fine to unselect “Always ask before opening this file”.

