

Application Note

First Time to Update TIVA Firmware

If user is the first time to update TIVA firmware, checking the device status as follows:

- 1 Download DFU Driver from this repo (DFU_Driver.zip) or the following location.
(https://github.com/InnoSpectra/ISC_NIRScan_Win_Winform_GUI/tree/master/DFU_Driver).
- 2 Download and execute ISC WinForms GUI v3.7.6.
- 3 Connect SG1 through USB, turn it on its power switch and the SG1 and GUI are ready for operation.
- 4 Go to Utility page and select TIVA firmware.
- 5 Press “Update” to enter bootloader mode, and the PC will check the driver.
- 6 Open the device manager of the PC, located at `\\Control Panel\System and Security\System\Device Manager`.
- 7 If USB driver automatic installation is failed, then there will be an unknown device named “Tiva Device Firmware Update” on the PC’s device manager shown in Figure A-1.
- 8 Right click on the “Tiva Device Firmware Update” and select “Update Driver.”
- 9 Browse my computer for driver software, select the DFU driver folder and search for drivers in this location.
- 10 Update the driver.
- 11 After updating the driver, the GUI and SG1 need to be restarted to perform the update process again.

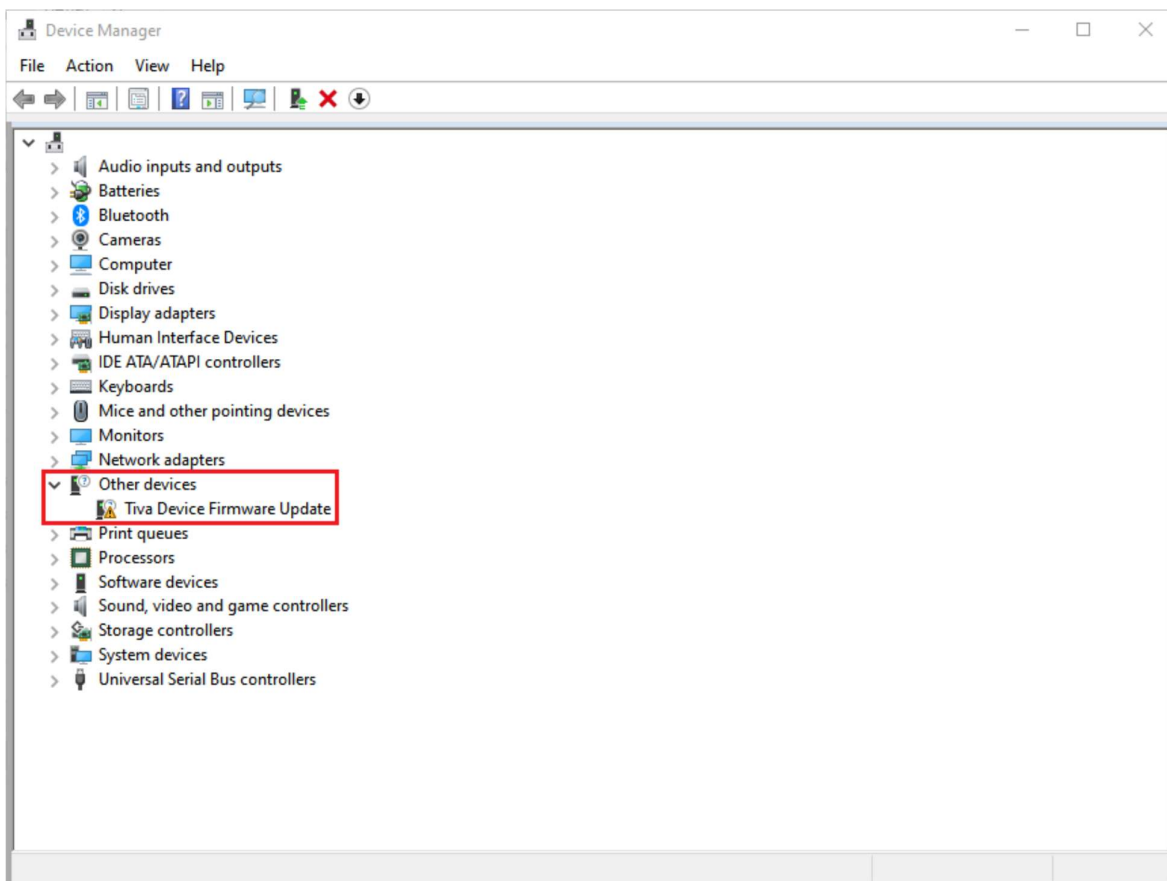


Figure A-1 Device Manager

Tiva Firmware Update:

As a blow picture shows the interface of TIVA Firmware Update. To update the TIVA firmware, first step is that click the “Browse” button to search for the TIVA FW file (ISC-NIRScan-Tiva-Release-v2.4.7.bin). Then, click the “Update” button. The firmware will be flashed on the TIVA internal Flash while the progress bar indicates the update process. If the TIVA firmware update fails, it will display the corresponding error message and share screen to us.

