

iAFS Firmware Upgrade

The firmware of an iAFS electronic automatic focuser is customer upgradable. The upgrading process is only supported by Windows. Please check iOptron's website, www.iOptron.com, under **iAFS Product Page** for the most up to date firmware.

The firmware upgrade will be done via the USB port on the focuser. To upgrade the firmware, you'll need the following software/hardware:

- iOptron Upgrade Utility Program (*Version 3.29 or later*);
- iAFS firmware upgrade package;
- Prolific PL23XX VCP (Virtual COM Port) driver if this is the first time connecting the mount to a computer.

Step 1. Download files

Go to iAFS product page. Download PL23XX VCP driver, iOptron Upgrade Utility and iAFS firmware package. Save them on your computer desktop or designated folder.

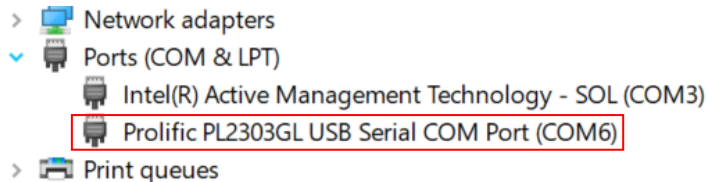
Step 2. Install PL23XX VCP driver

If this is the first time you connect the mount to a computer, please run PL23XX VCP installer.

Step 3. Find the COM port number

Plug a USB cable between any one of the USB2.0 port on the iAFS and an available USB port of the computer.

Click on the Windows Device Manager to find the assigned COM port for the USB connection. Here the port # is COM6.

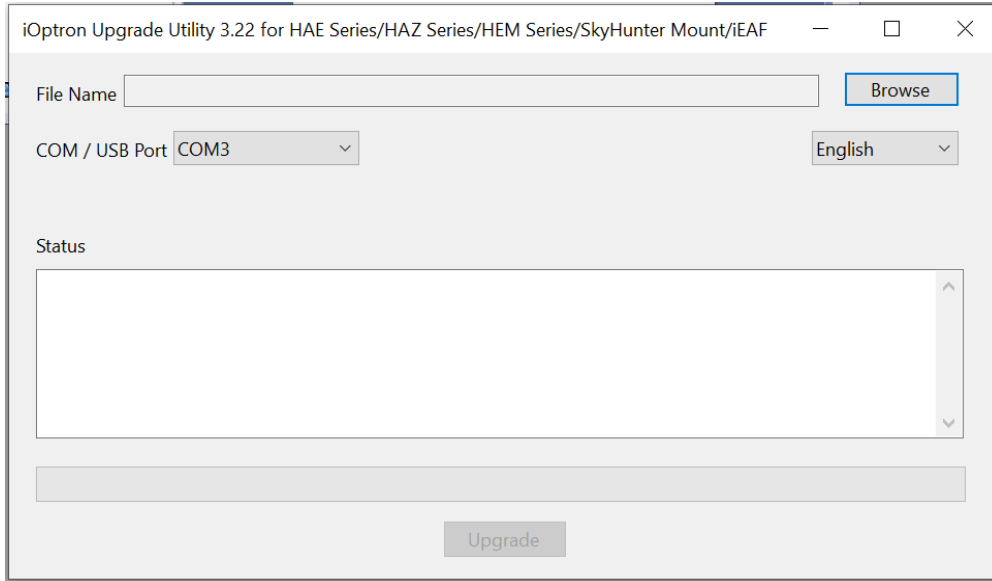


Step 4 Upgrade firmware

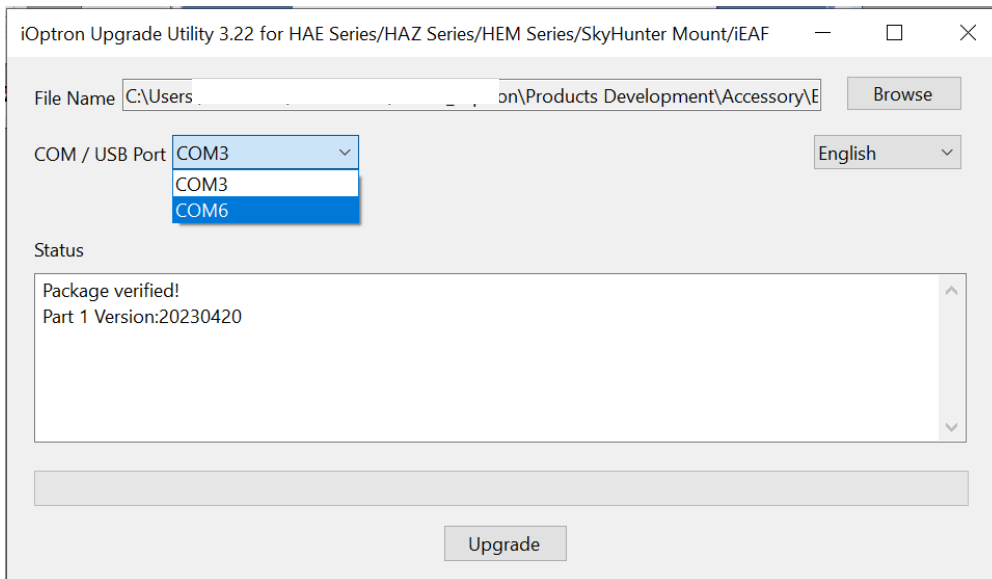
(1) Locate downloaded software and click on ***iOptronUpgradeUtility.exe***.

Name	Date modified	Type
iAFS_FW251015.bin	2/26/2026 10:26 AM	BIN File
iOptronUpgradeUtility329.exe	11/26/2025 10:24 PM	Application

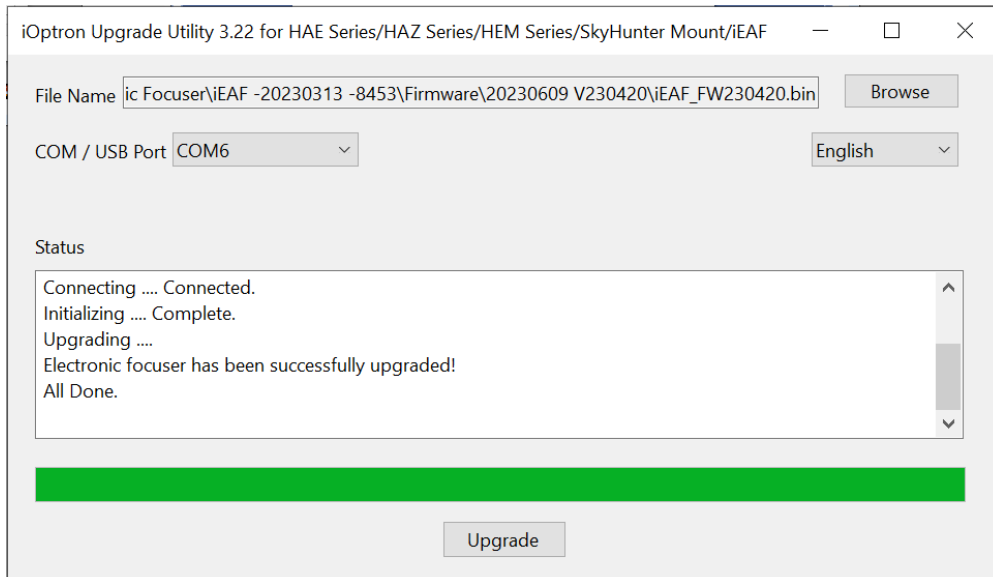
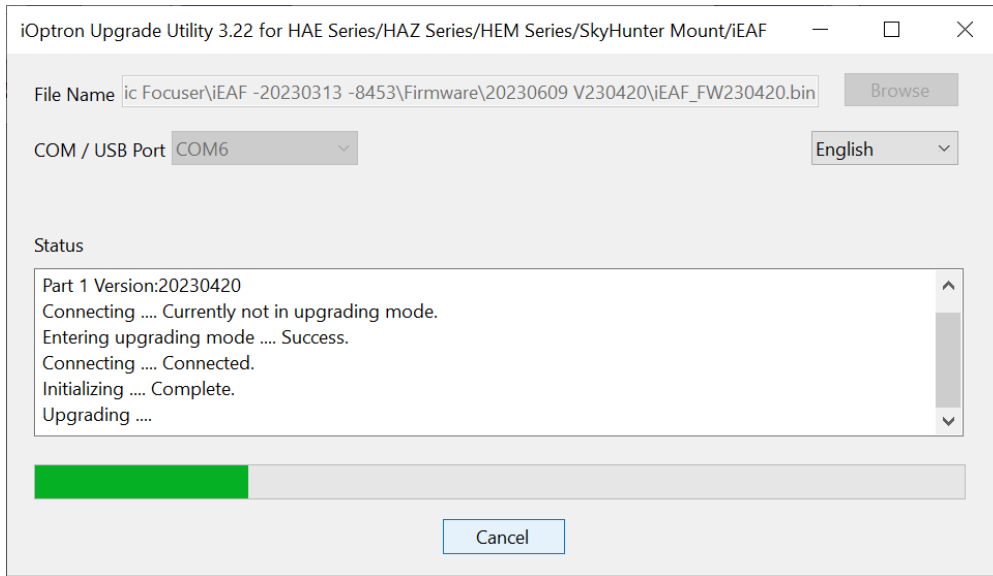
This will bring up the upgrade window:



- (2) Click on **Browse** in iOptron Upgrade Utility window. Select the mount firmware package, such as iAFS_FW251015.bin, and click **Open**;
- (1) The **FileType** and **Version** will be verified and displayed. Select the COM6 from **COM/USB Port** pull down menu.



- (3) Click on the **Upgrade** button. The software will starting upgrade.



- (4) Power cycling the mount. Check your firmware version after the firmware upgrade is finished via your Commander or hand controller.
- (5) Exit the **Upgrade Utility** program.

Common errors during firmware upgrade:

- (1) COM port cannot be opened:
 - Wrong COM port is selected;
 - An iAFS is not connected;
 - Cable is not plugged in firmly;

- PL23XX VCP driver is not installed/outdated

(2) Connection failed:

- Cable is not plugged in firmly;
- Malfunctioned control board;
- Wrong firmware selected.

(3) Upgrade stopped in the middle or failed:

- Cable is not plugged in firmly;
- Cable is moved during process.

Contact support@ioptron.com for technical support.