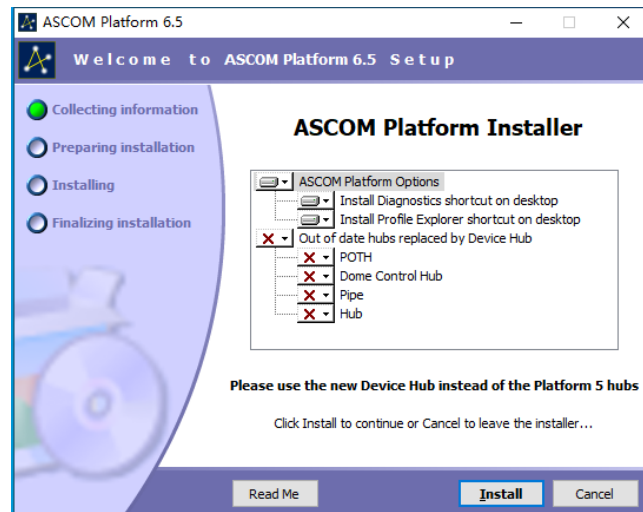


Connect a CEM26/GEM28 mount to a Computer

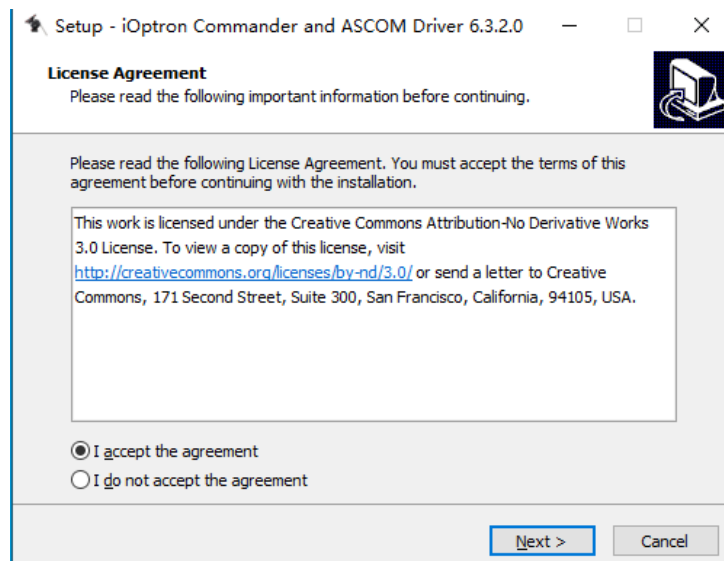
A CEM26/GEM28 mount can be connected to a computer via USB port, or a built-in Wi-Fi. A USB2.0 cable is needed to make the connection work if connected to a computer USB port.

Connect to a Windows computer is via ASCOM Platform (please refer to <http://www.ascom-standards.org> for detailed info.) The software/firmware needed:

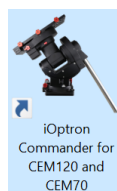
- Windows 7 /8.1 /10 with .NET (dotNET) Framework 4.8 installed;
- Latest ASCOM Platform. Download and install it from <http://www.ascom-standards.org>;



- iOptron Commander and ASCOM Driver Installer 6.3 or later. Download and install it from iOptron CEM26 or GEM28 product page. CEM26/GEM28 uses Commander V6.X.



After installation, you should see an icon like this on your computer desktop, or your designated folder:



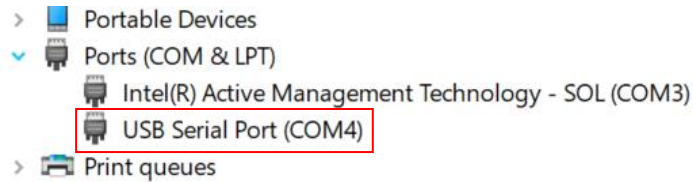
- Latest mount firmware

Connect a mount to a computer via USB

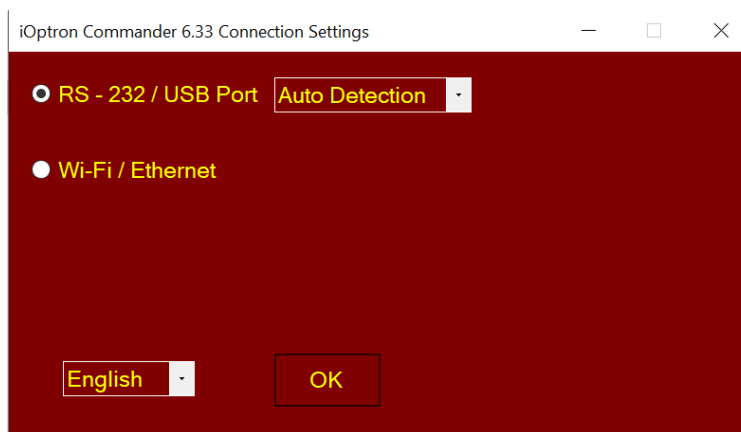
Plug USB B plug of a USB cable into the USB port on a 8409 hand controller as shown below. Plug the USB A plug into any available USB port of the computer.



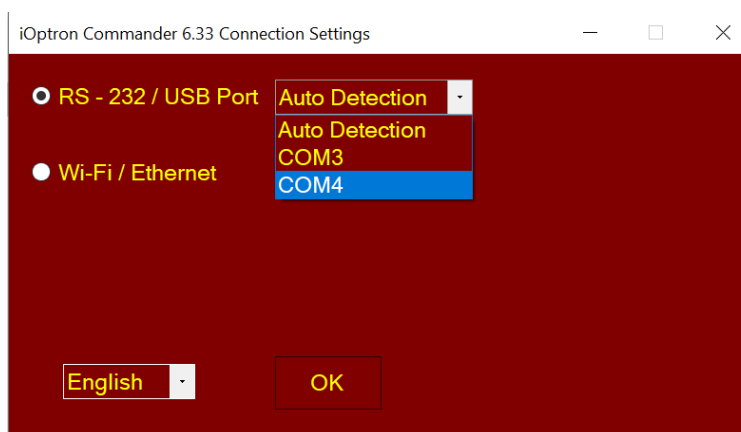
Click on Windows Device Manager to find the assigned COM port for the USB connection. Here the port # is COM4.



Click on iOptron Commander for CEM120/CEM70 . An **iOptron Commander Connection Setting** window will open:



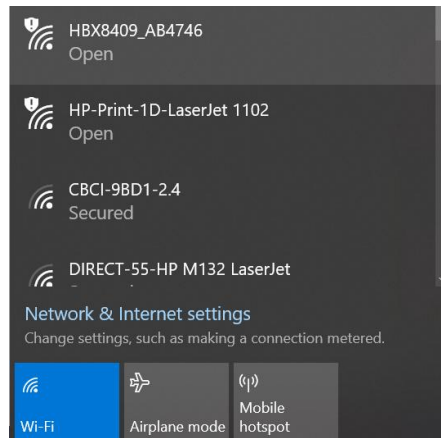
Select “**RS-232/USB Port**” with “**Auto Detection**”, or click on the RS-232/USB Port pull down menu to select a COM port manually. Here it is COM4 as shown below.



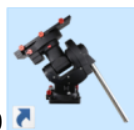
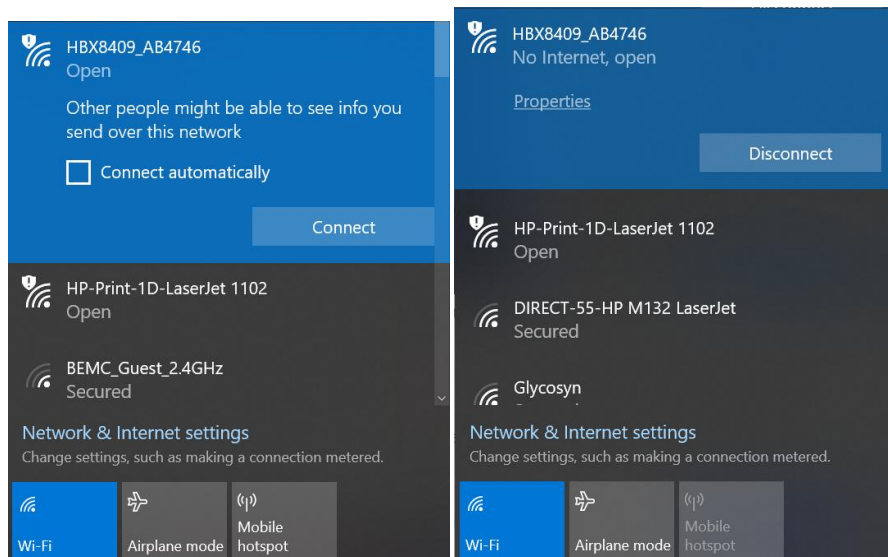
Click OK to connect.

Connect a mount to a computer via Wi-Fi

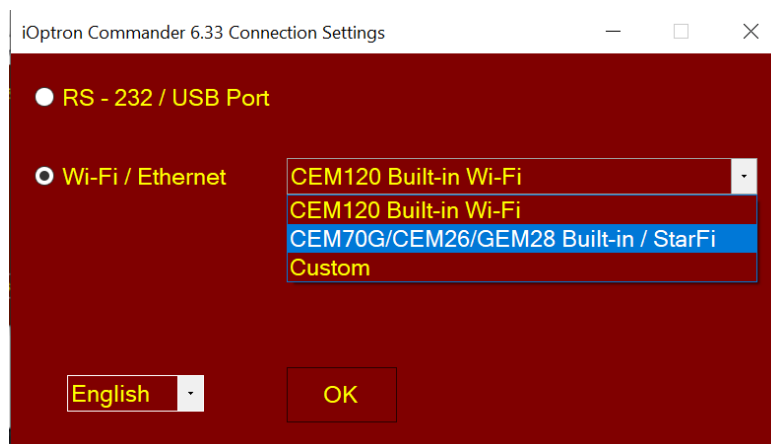
The mount Wi-Fi SSID is in a form of HBX8409-XXXXXX. Turn the mount power on. Click on the Wi-Fi sign located on right bottom corner of your computer to bring up Wi-Fi network menu.



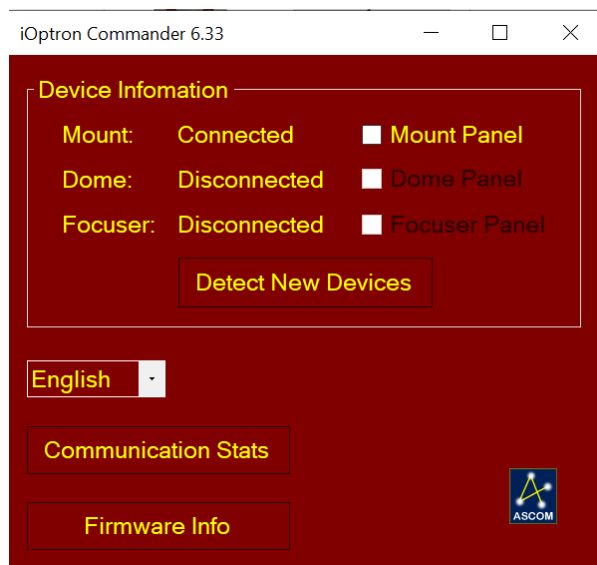
Select the CEM26/GEM28 Wi-Fi network, here is HBX8409_AB4746. Click to connect to it.



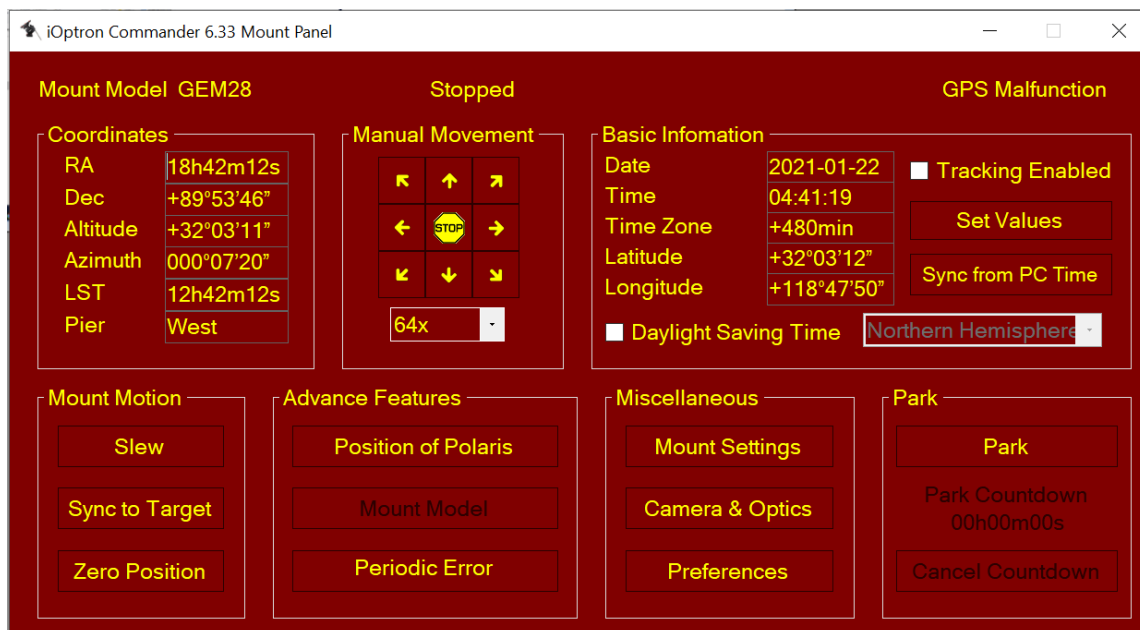
Click on iOptron Commander for CEM120/CEM70. An **iOptron Commander Connection Setting** window will open. Select “**Wi-Fi/Ethernet**” and choose “**CEM70G/CEM26/GEM28 Built-in/StarFi**” from pull down menu. Click OK.



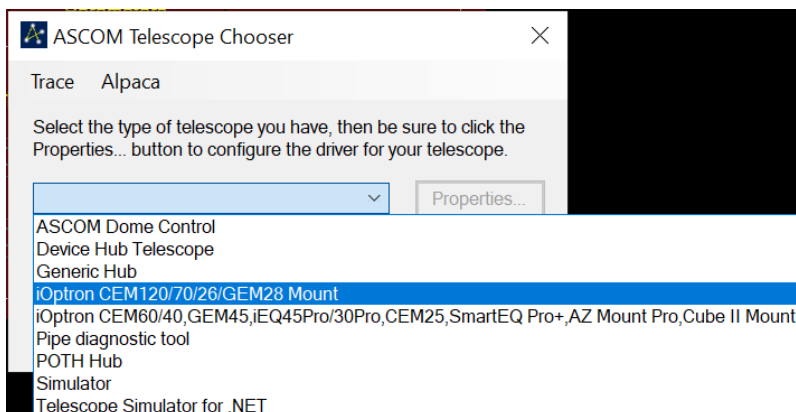
A **Device Information** window will show.



Check Mount Panel to bring up the **iOptron Commander 6.xx Mount Panel**.



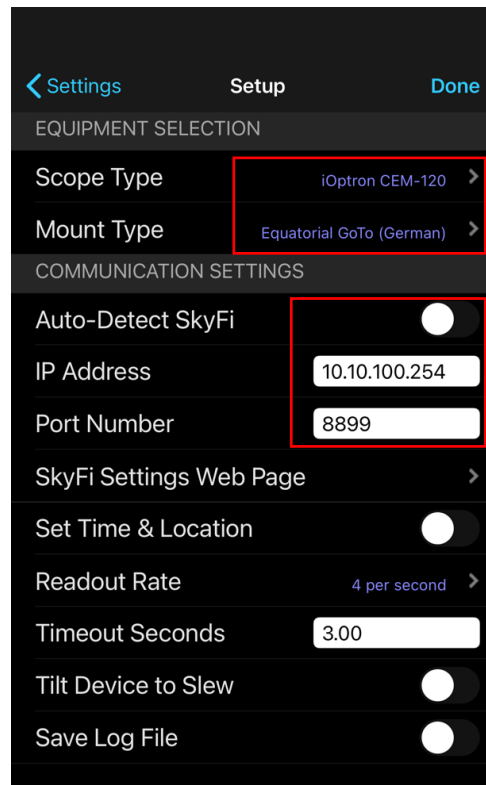
Now you can control the mount via iOptron Commander, or connect your favorite planetarium software and select **"iOptron CEM120/70/26/GEM28 Mount"** for software configuration.



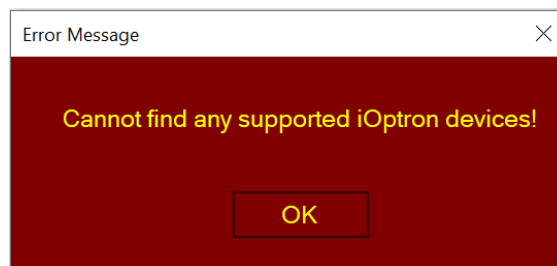
Other OS control

For a MacOS, it depends on if the planetarium software has an iOptron CEM70/CEM120 driver, either embedded or plug-in. You may also use an .INDI driver developed by third party.

If you are using planetary software from a SmartPhone/Tablet, such as SkySafari 6 Pro, please use the following mount and Wi-Fi settings:



Error Message



If you see this error message, please check the following:

1. Correct iOptron Commander is installed and used, especially you have multiple iOptron mounts;
2. Firmware is up to date;
3. Connection between mount and computer is established. Check Device Manager by plug and unplug the USB cable to observe the COM port changes to determine which one if from mount;
4. Delete all COM port from other devices. Power cycle the mount and computer. Then plug in the mount first and try again.