How to use an iPolar to perform polar alignment with the iOS App

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What are needed?

- iMate^{TM} Astronomy Control Box
- iPolar^{TM} electronic polar scope
- iPad or iPhone (iPad preferred)
- iPolar iOS App from iOS Store
- NoMachine App from iOS store
- 12V DC power source

How to Use?

1. Download NoMachine and iPolar App from iOS store.
2. Connect the iPolar to the iMate using a USB cable. Connect the DC 12V power to the iMate and turn the power on.
3. From your iPad Wi-Fi network list, choose ***iMate_XXXXXX***. Enter password ***12345678*** to connect the iPad to the iMate Wi-Fi network.
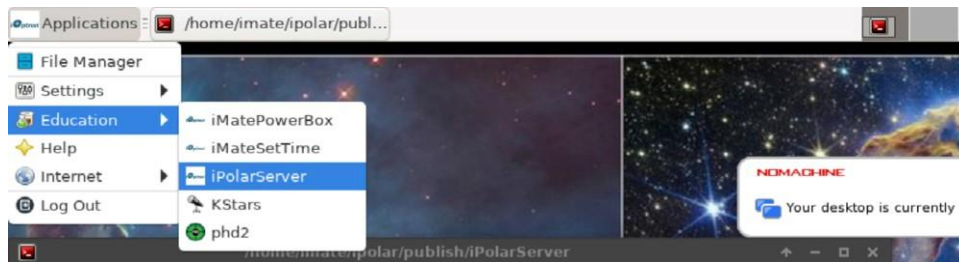

4. Launch NoMachine App. Click on iMate icon to start the iMate server.
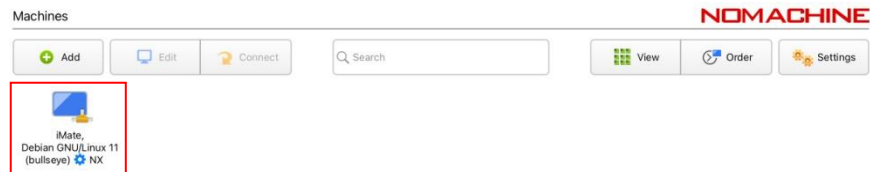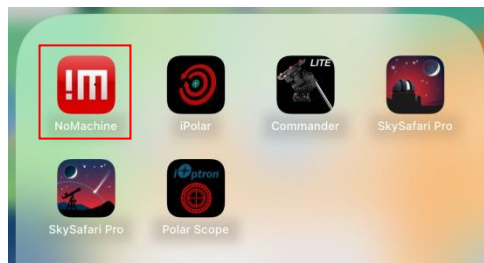
5. Enter "*imate*" as both Username and Password to Login on to the iMate Server.
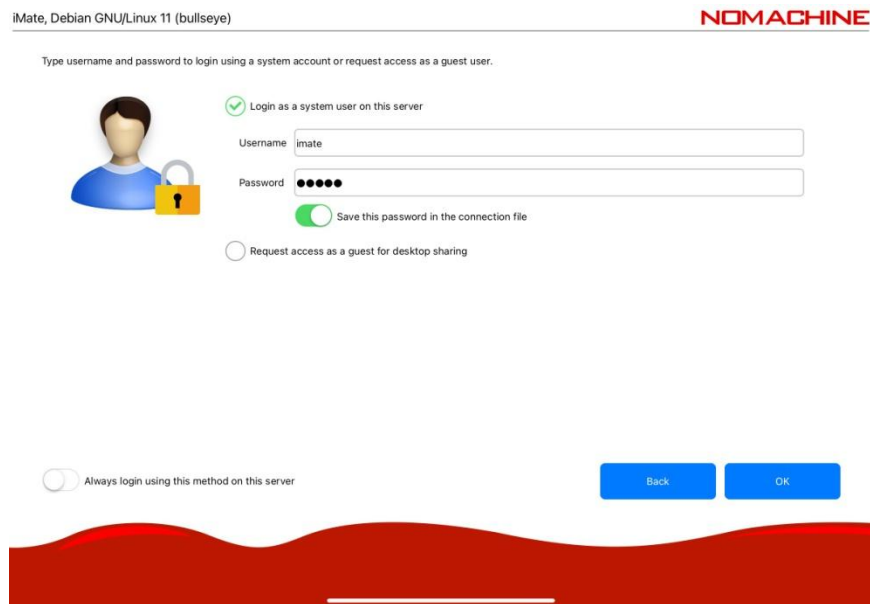
6. Now the NoMachine will load the software from the iMate. Click on iOptron Applications bar on top left corner. In pull-down menus, select *Education =>iPolarServer*.

7. The iMate will connect to iPolar camera. After camera is connected successfully, you should see the following display.
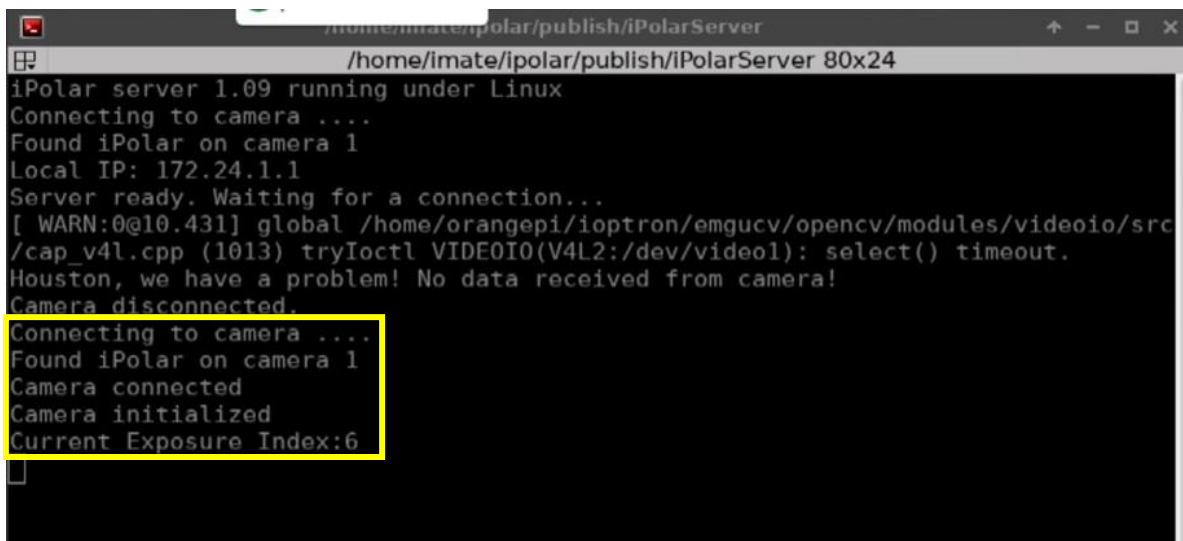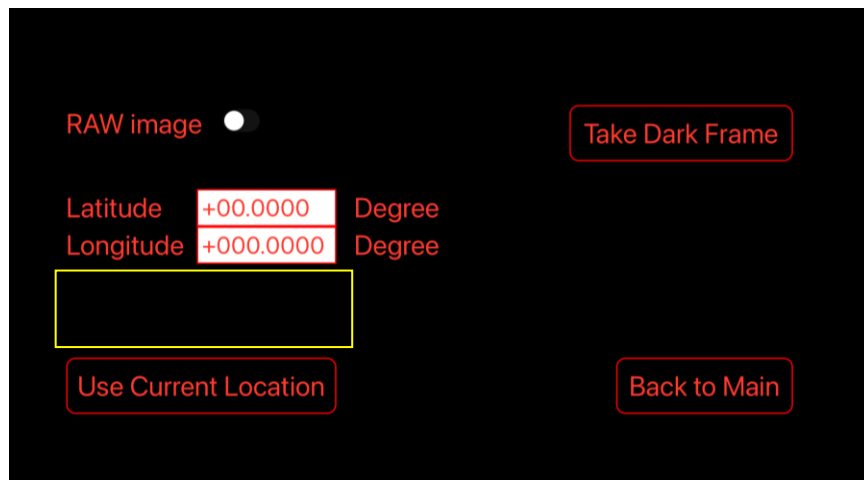

8. Launch the iPolar App.
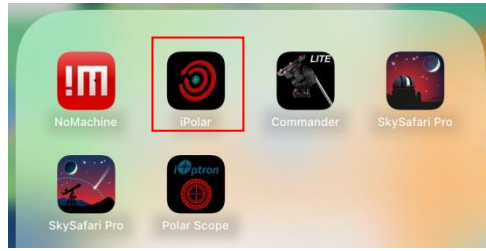
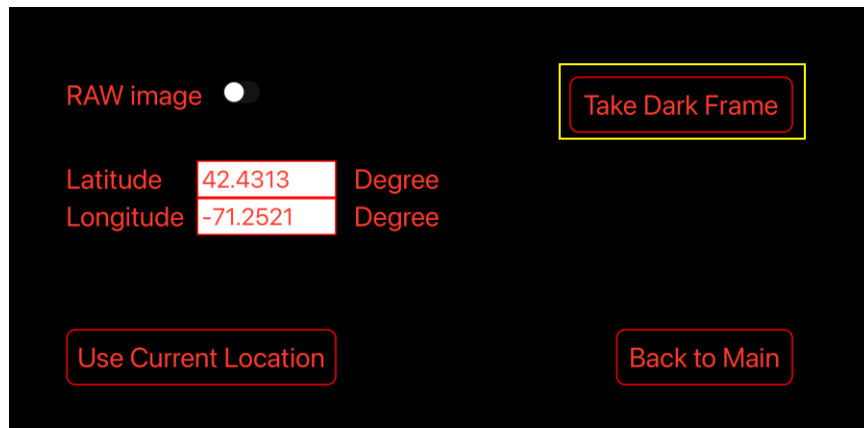9. Click on **Connect** to connect the iPolar to the App.

10. After the App connected to the iPolar successfully, click on **Settings** to bring the Setting screen.

Click on **Use Current Location** to fill the Latitude and Longitude.

You may perform *Take Dark Frame* here with the iPolar covered.

11. Check the **RAW image** and click **Back to Main**. If the camera is facing to a distant object during daytime, you should see the image on your iPad. Adjust the exposure time to see the image more clearly.
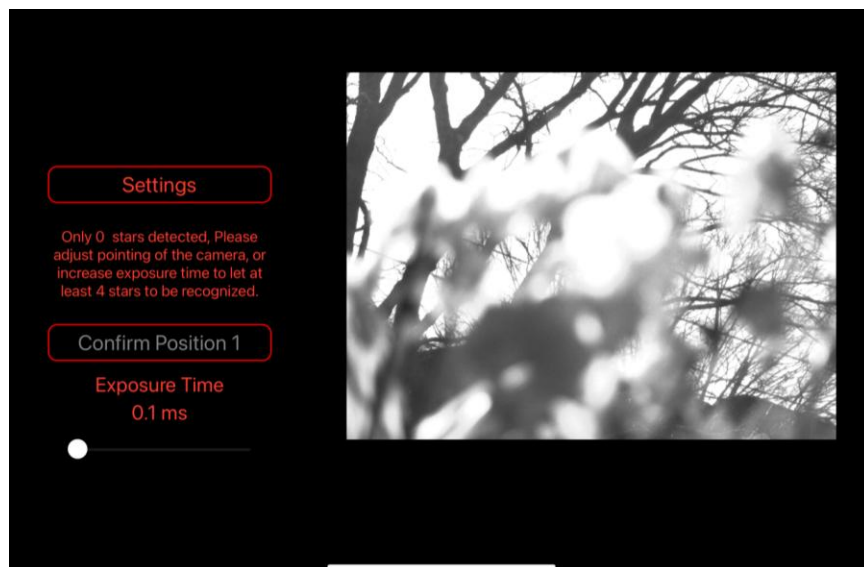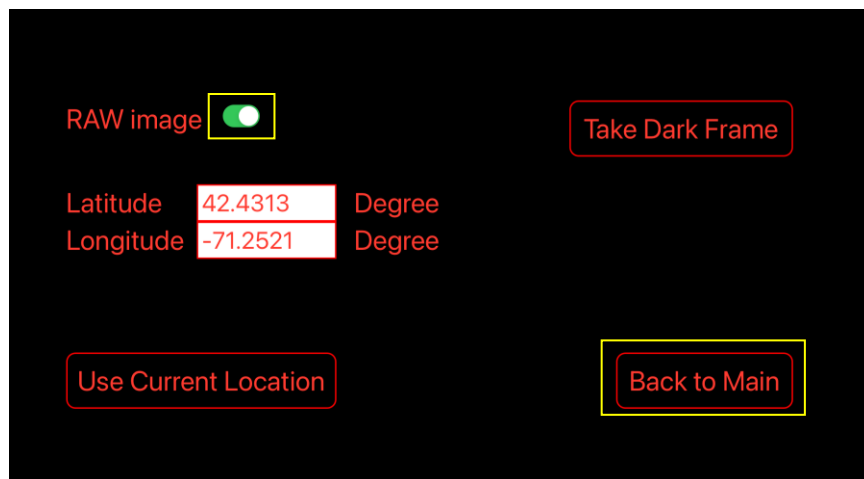
12. For polar alignment during the night time, follow the on screen instruction to perform the Polar alignment.