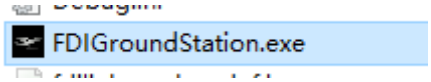
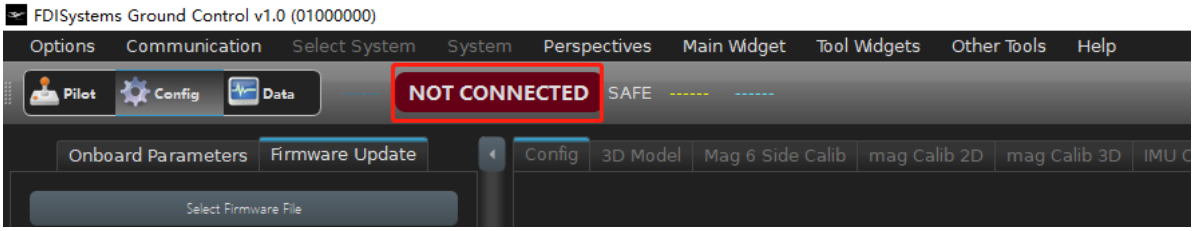
Connect to PC software

1. Serial connection to the host computer

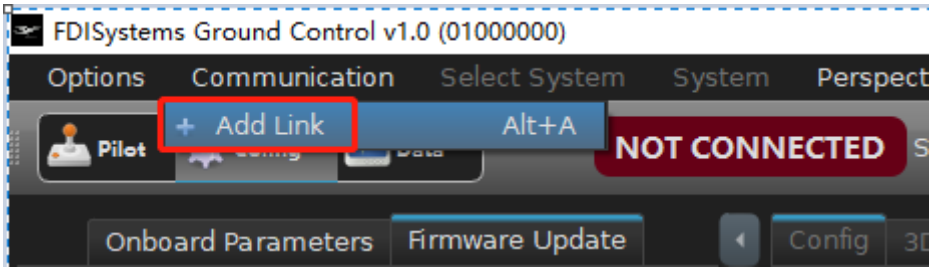
1. Unzip the compressed package of the host computer of the Smart Inertial Navigation Module in the data, and enter the host computer software to find FDIGroundStation.exe.



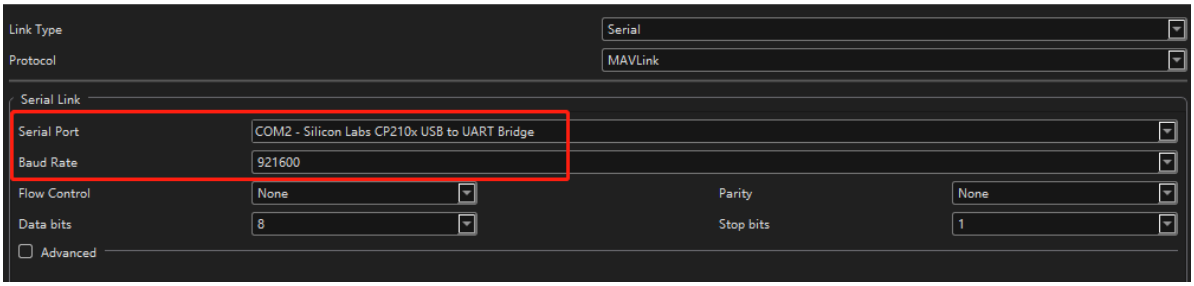
Double-click to open the host computer software, and you can see that the status bar shows no connection status.



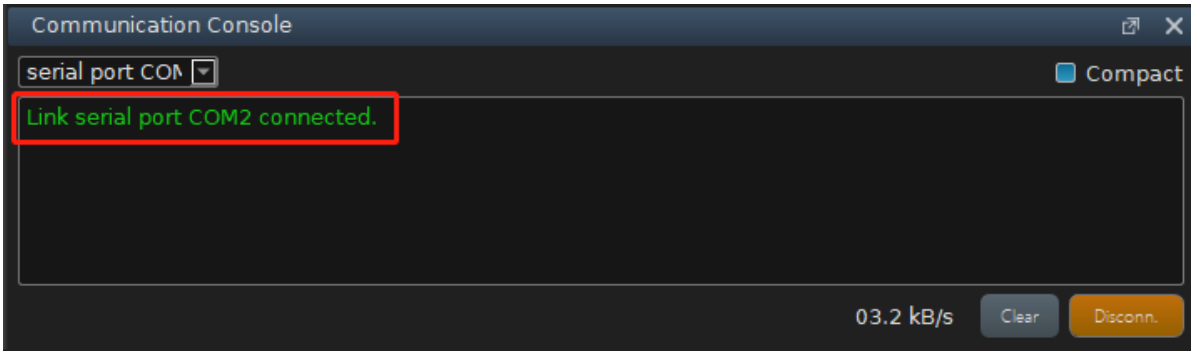
2. Click Communication->Add Link to open the connection interface.



3. There are two places to pay attention to here, one is the serial port number Serial Port, select the CP210x serial port number of the inertial navigation module, and the other is the baud rate, the default baud rate is 921600.



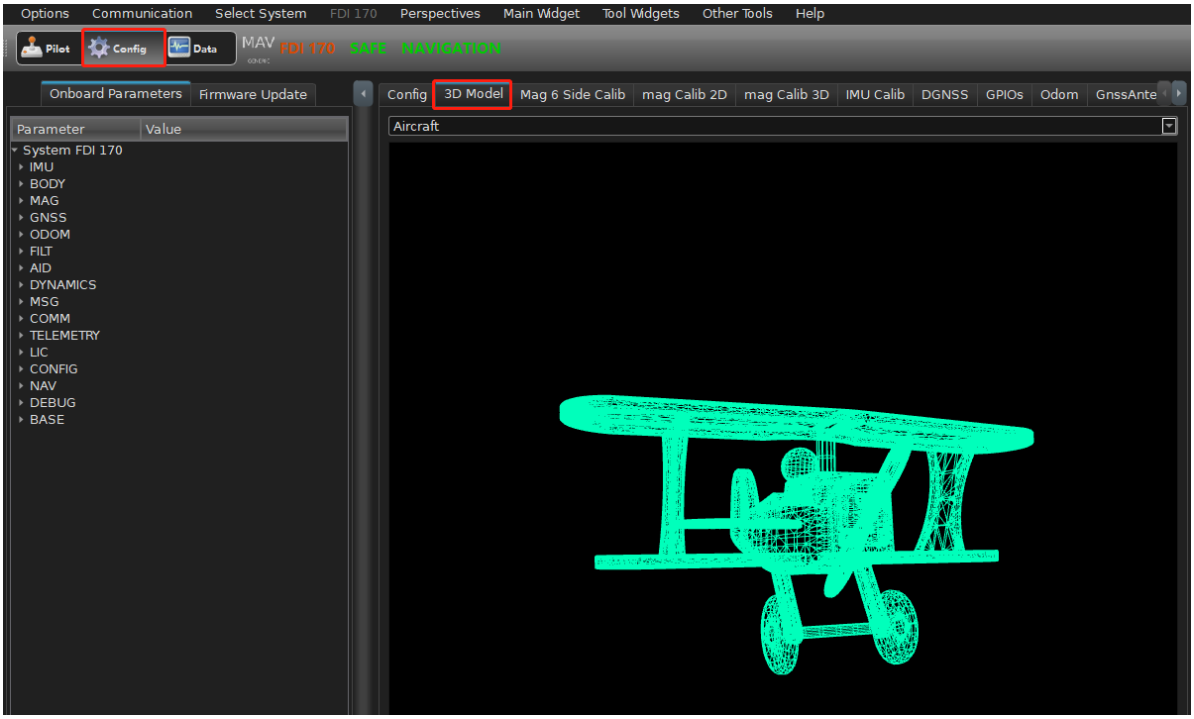
4. After the connection is successful, the Communication Console will prompt that the connection is successful.



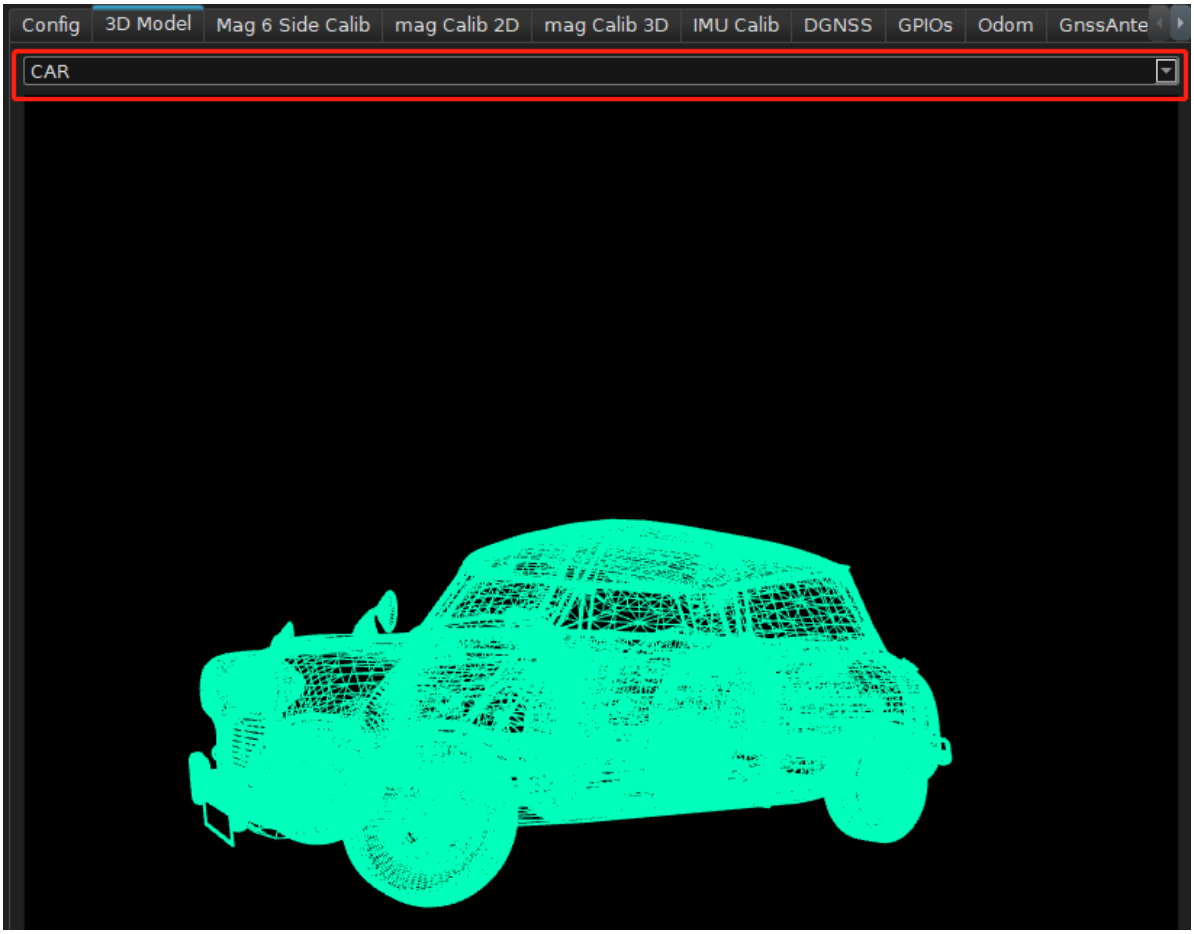
2. Experience the inertial navigation module

1. The firmware of the inertial navigation module has been programmed before leaving the factory. After connecting to the upper computer, you can use the upper computer to view the current attitude of the inertial navigation module.

Click Config->3D Model, you can see that an aircraft model will be displayed by default. When we change the attitude of the inertial navigation module, the attitude of the aircraft model will follow the change of the inertial navigation module.



2. You can also replace the aircraft model with a car model.



Note: If the model is still moving when the inertial navigation module is stationary, then the inertial navigation module is not calibrated properly. Next, I will explain how to calibrate the inertial navigation module.