



EFW Filter Wheel Software Manual

Windows Platform

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Instruction

You don't need to install driver for our EFW filter wheel, supported OS: Windows XP 32bit/64bit, Windows 7 32bit/64bit, Windows 8 32bit/64bit, Windows 10 32bit/64bit. You can control it through several ways:

ASCOM:

This is the standard platform for astronomy, so you just need to install the ASCOM platform 6.2 or newer, and our ASI filter wheel ASCOM driver.

SDK:

This is Software Development Kit for developer, user don't need to install it.

Advantages: This is the most flexible way to control our filter wheel.

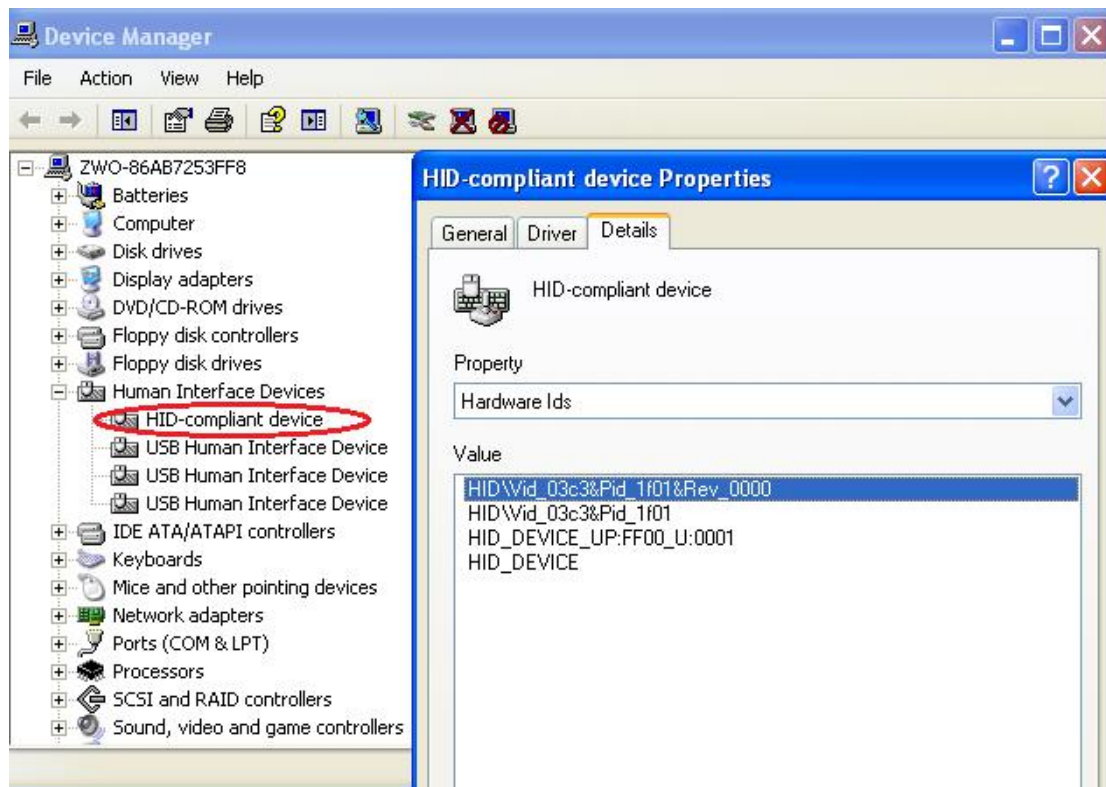
Disadvantage: the API is not standard, software developer need to integrate our SDK to their.

Plug-in:

Currently we provide plug-in for TheSkyX and [Micro-Manager](#).

1. Connect filter wheel to USB port

Now you should see the filter wheel listed in the Device Manager, under “Human Interface Devices” category, VID is 0x03C3, PID is 0x1F01.

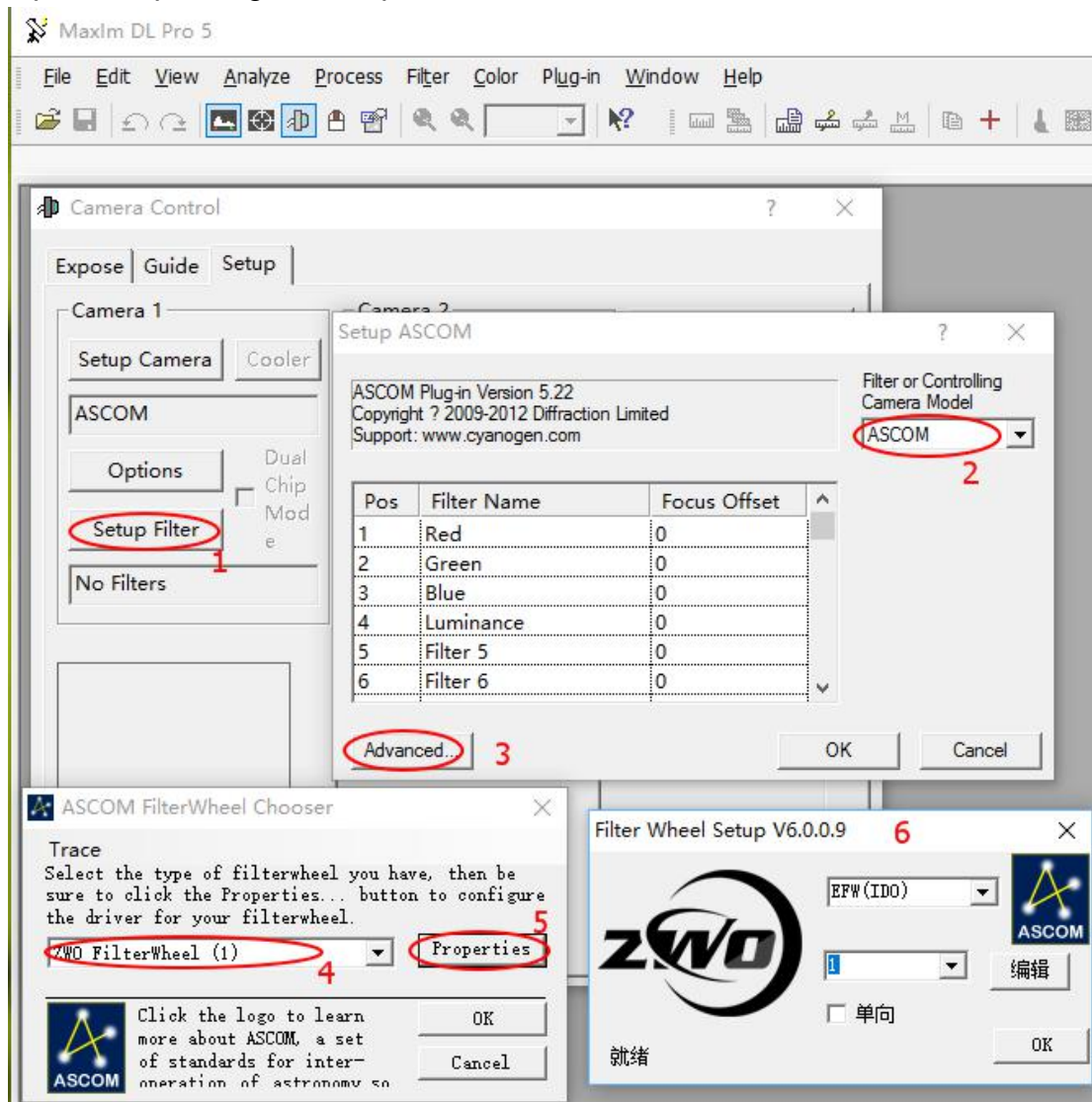


Once connected filter wheel will rotate to position 1.

2. ASCOM driver

ASCOM is standard for astronomy, download ASCOM Platform installer from their official website :<http://ascom-standards.org/index.htm> or our website. Install “ASCOM Platform 6.2”, then install “ZWO EFW ASCOM Setup”. We use MaxIm DL 5 to show its usage.

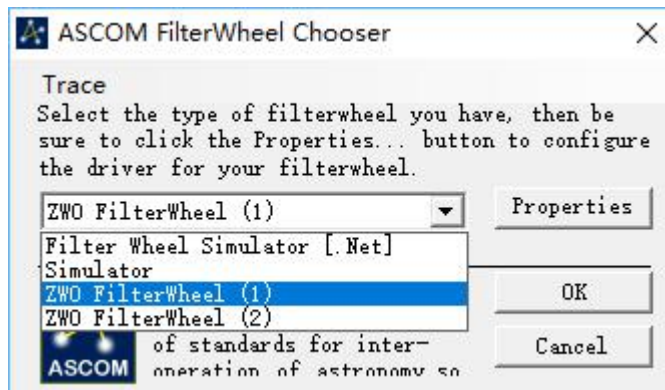
Select our ASCOM filter wheel driver with step1-4 , then you can connect it. Open setup dialog with step5.



In setup dialog box, if more than one filter wheels are connected, you can choose which one you want to work with, and finally click “OK” to save setting.

We provide two filter wheel ASCOM driver, choose “ZWO FilterWheel(1)” and choose one filter wheel in setup dialog and choose “ZWO FilterWheel(2)” and

choose your another filter wheel.

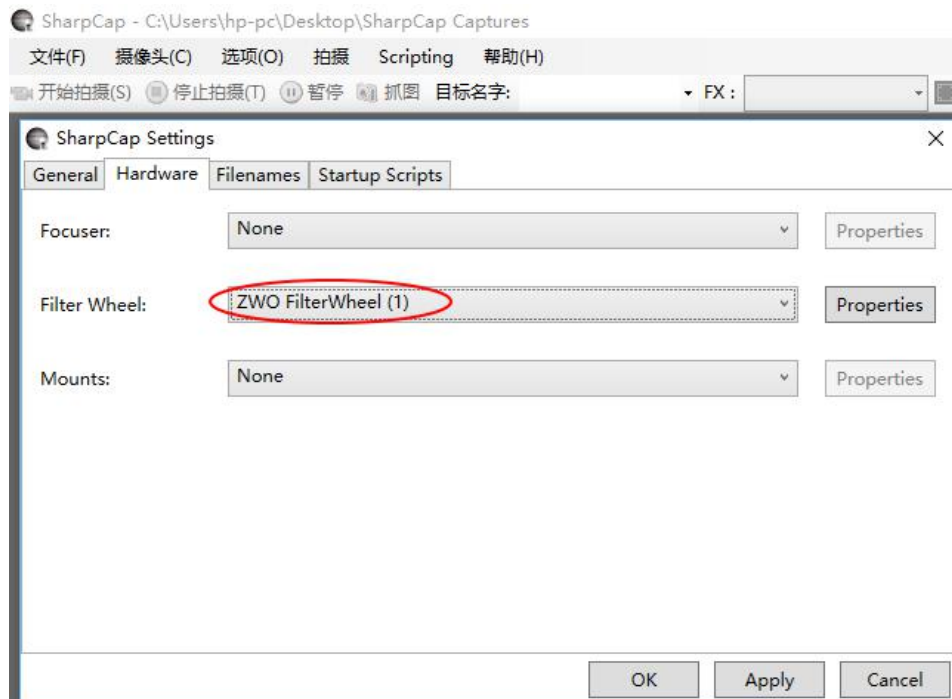


3. Control Software

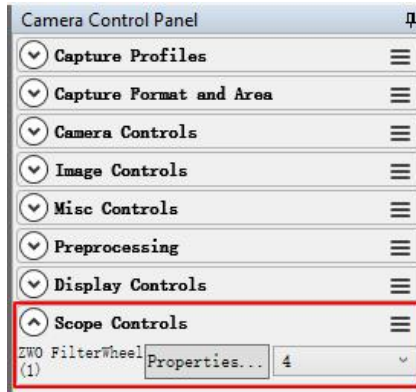
You can find them in the CD-ROM or download from our official website. Most software control our filter wheel through ASCOM driver.

3.1 SharpCap

Click “SharpCap settings” under “file” menu, choose the ASCOM filter wheel driver.



Then the control will show in Scope Control

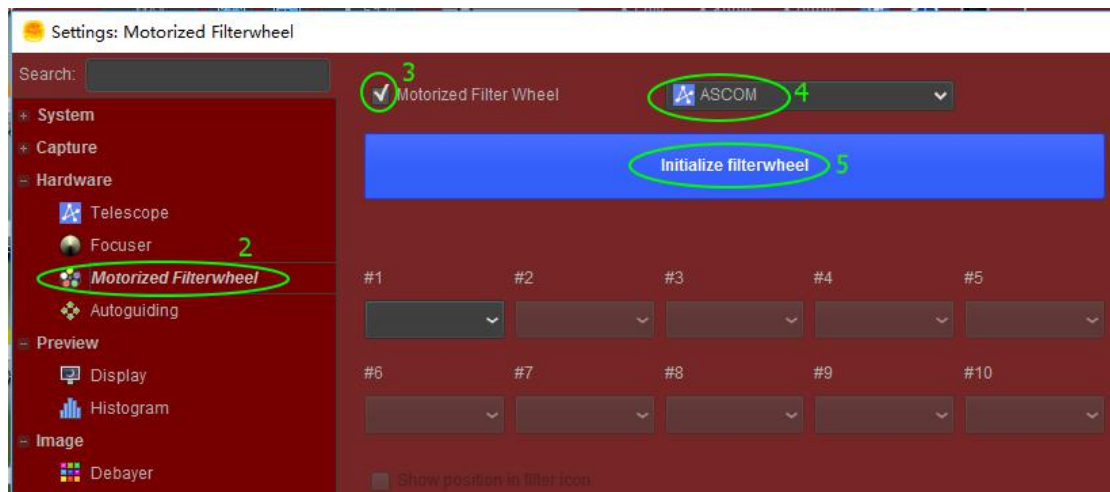


3.2 FireCapture

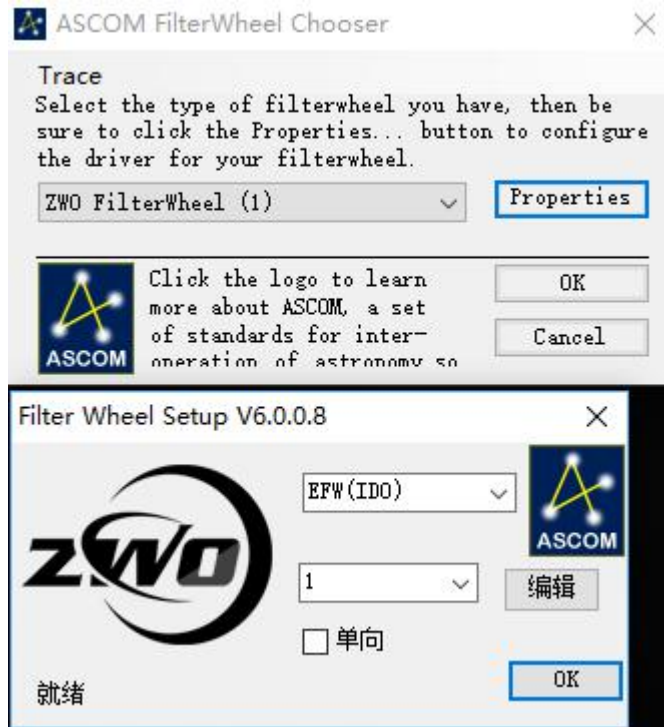
Open Settings panel.



Choose ASCOM to control filter wheel.



Choose our filter wheel ASCOM driver.



Connect successfully.



Edit filter wheel name.



Rotate filter wheel in Capture page, the filter wheel icon will rotate.



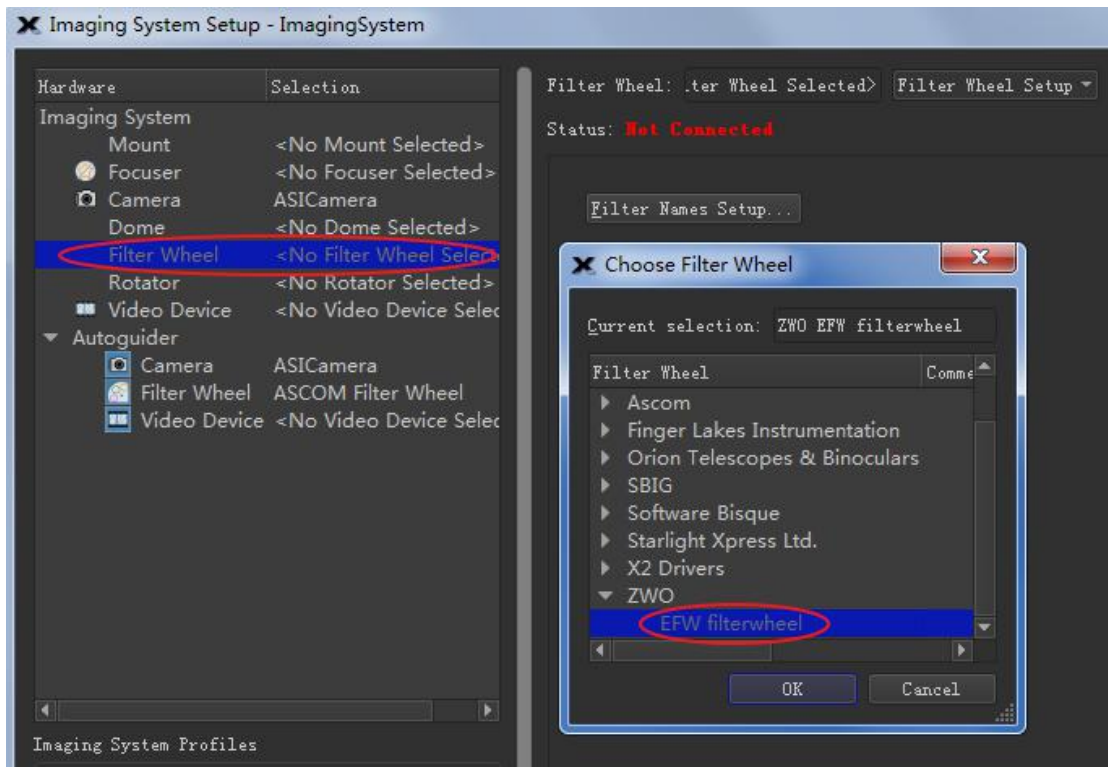
3.3 TheSkyX

You can connect our filter wheel through ASCOM driver, it's similar with other software, here we introduce connect through our x2filterwheel driver.

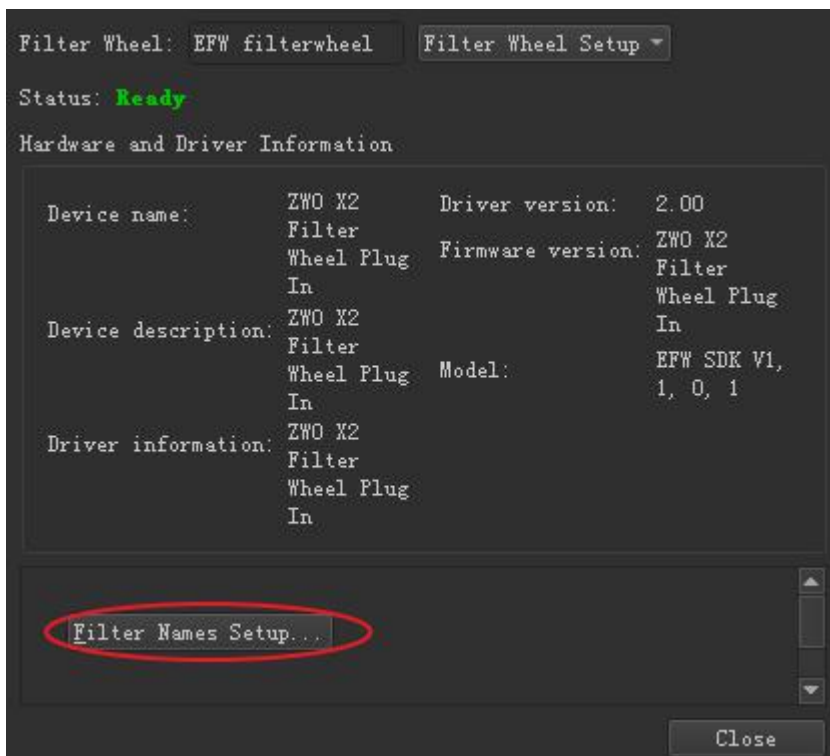
Install plug-in.

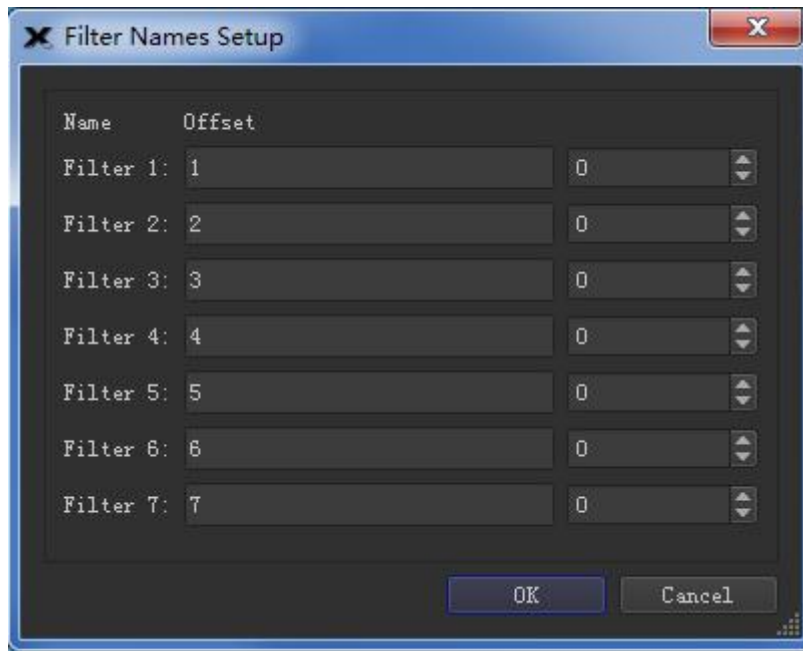


Choose plug-in driver.

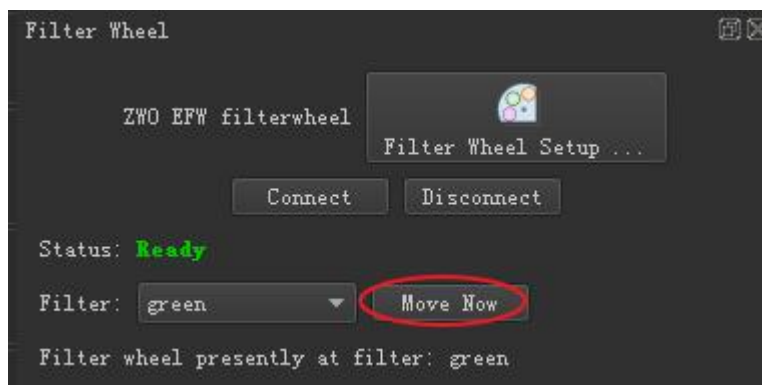


Edit filter name after connected.





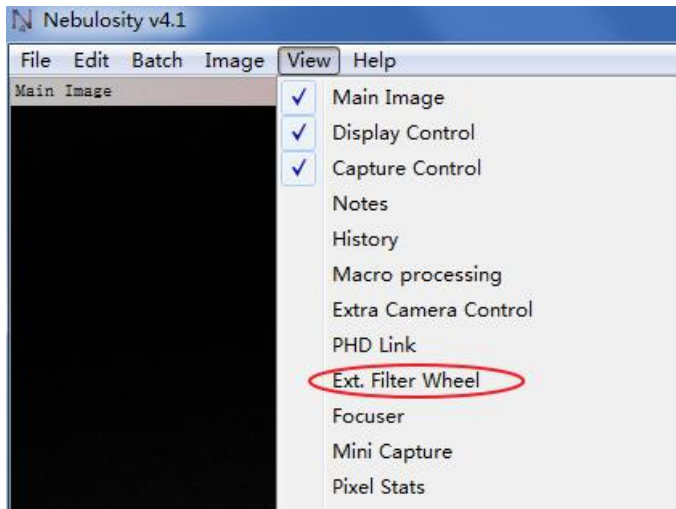
Switch filter position.



3.4 Nebulosity

(<http://www.stark-labs.com/nebulosity.html>)

Connect filter wheel through ASCOM driver



Edit filter name.

