

ZWO ASI AIR Quick Guide



苏州振旺光电有限公司
Suzhou ZWO Co., Ltd.

Thank you for purchasing the ZWO ASI AIR. The ASI AIR is easy to operate and after reading this quick start guide we will have you imaging in no time! If you would like to learn more about the ASI AIR, and how to get the most out of it, please visit our official website: <https://astronomy-imaging-camera.com>. Congratulations and enjoy!

1. What is ASIAIR?



The ZWO ASIAIR is a portable WiFi device that will revolutionize how you image. You can preview, image, guide, plate solve and sequence, essentially controlling your imaging camera and telescope, all through an app on your phone or tablet!

Currently, ASI USB3.0 and Mini-series cameras are supported by ASIAIR.

2. What's in the box?



ASIAIR Body



Quick Guide



5V Power Cable



USB-RS232 Cable



SD Card



SD Card Reader



12V-5V DC Converter



Hook & Loop Tapes X 2

3. Getting to know your ASIAIR

The ASIAIR will come pre-installed with a 32GB SD boot card, of which 25GB is available for image storage. (To prevent the risk of data loss by accidental damage to the SD card, we strongly recommend that you create a back-up of the SD card before using it for the first time. SEE APPENDIX)



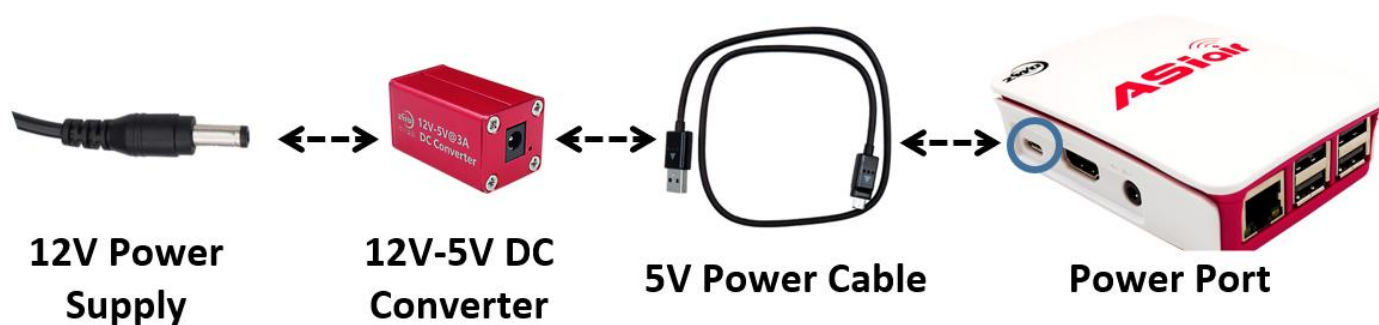
Mount control is achieved using the included USB-RS232 cable, and ZWO ASI cameras and EFW are controlled by connecting through the USB ports.



You may use the included Hook & Loop Tapes to mount the ASIAIR to your other devices.



The ASIAIR requires a 12V or 5V power supply (minimum 5V @ 2.5A). ASIAIR standby power consumption is about 2.5W.



After you power-on the ASIAIR, **wait approximately 15seconds** before connecting via the ASIAIR application on your phone or tablet.

Current Network:ASIAIR_7ed47ab2

Connected



Connecting Device

Connecting ASIAIR (password:12345678)

ASIAIR use 5G Wifi by default on start up

Please make sure your device support 5Ghz Wifi



4. How to install and use the app



Scan the QR code on the left to download and install the app.

You can also visit the following address directly through the mobile browser:

zwo.biz/qrcode/asiair.html.

Once the download and install is complete, open the app and read the guide page carefully.

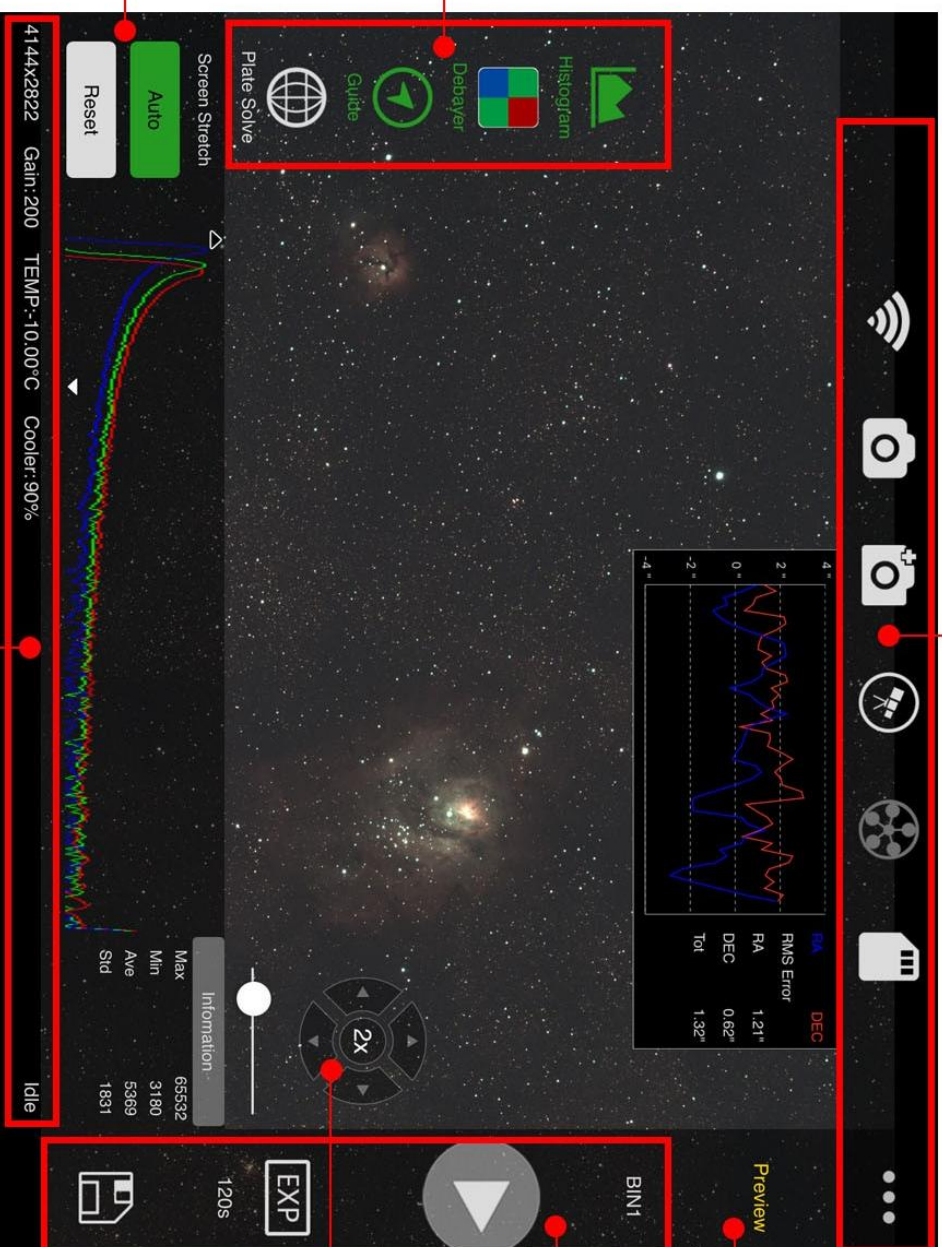
The user interface of the ASIAIR application is briefly explained below.

For a full description of use and features, please visit the official ZWO website:

<https://astronomy-imaging-camera.com>.

Setup Area

WiFi, Main camera, Guide camera, Mount, Filter wheel, SD card, More settings



Main Function Switch

Focus, Preview, AutoRun

Operation Area

Capture, Preview, Bin, Exposure, Save

Mount Controller

Function Area

Histogram, Guide, Debayer
Plate solve, Screen stretch

Histogram

Information Area

Resolution, Gain, Temperature, Cooler, Status, etc.

Setup Area

WiFi, Main camera, Guide camera, Mount, Filter wheel, SD card, More settings

Home

Function Area
Show/Hidden Guiding Graph

Guiding Graph

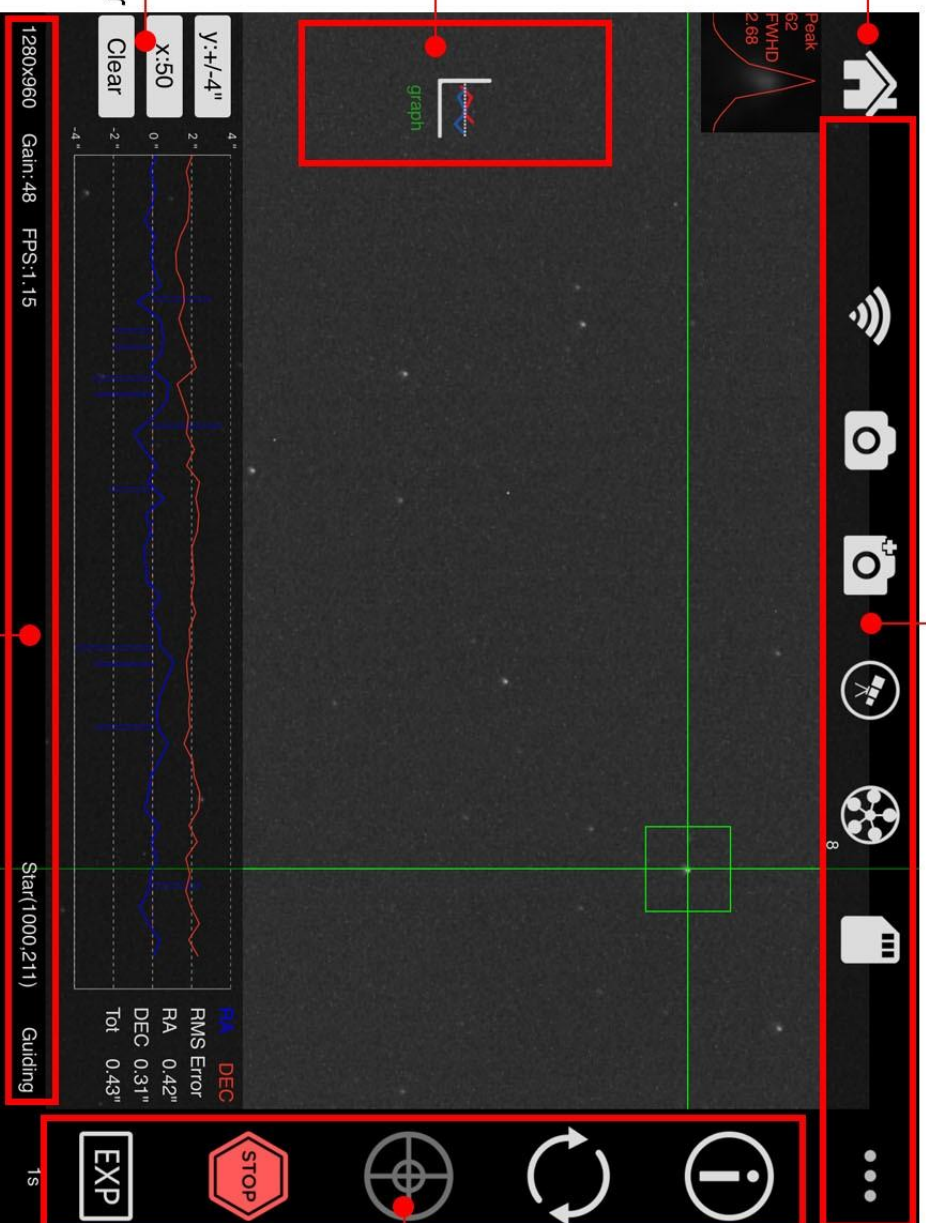
Coordinate system, Data clear

Information Area

Resolution, Gain, FPS, Star coordinate, Status, etc.

Operation Area

Calibration details,
Loop image,
Start/Stop Guiding,
Exposure




Appendix: The backup and restore of SD card

1. ASIAIR file system backup

Step 1 Download, install and run the latest version of [Win32 Disk Imager](#).

Step 2 Remove the SD card from ASIAIR, insert it into the card reader, and plug the card reader into the computer USB port.

Step 3 On the Win32 Disk Imager software interface, click the folder icon () , select the path to save image file. Please make sure the path is on your computer and it has at least 30GB of free disk space. Name the image file *ASIAIR_backup_20180810.img*.

Step 4 Under the Device label, select the BOOT partition. Normally the driver letter is: [E:\].

Step 5 Click the Read button () to start. This operation usually takes 15 to 20 minutes.


Note: The partition of SD card under Windows 10 is slightly different, so you only need to back up the BOOT partition.

2. ASIAIR system restore

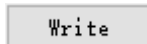
When ASIAIR cannot be started due to an SD card failure, you need to restore the img file which was backed up in the previous step to your new SD card. The specific steps are as follows:

Step 1 Download, install and run the latest version of Win32 Disk Imager (If you've already Installed it, please skip this step).

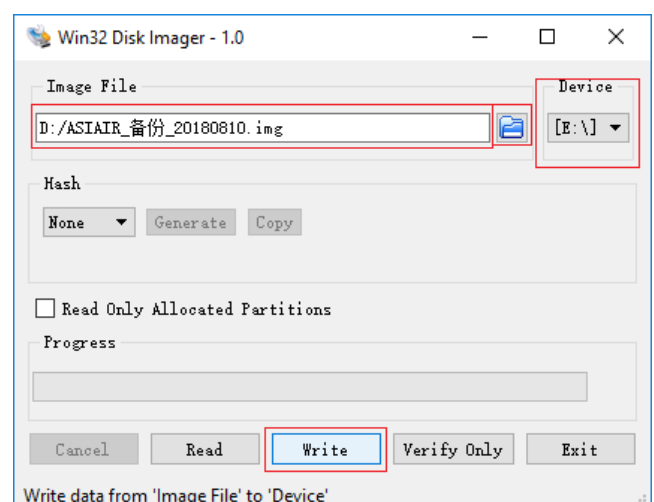
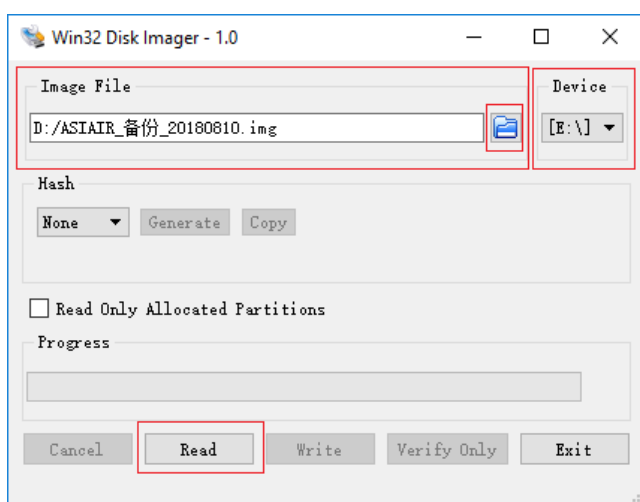
Step 2 Insert a new SD card (32G) into the card reader, then plug the card reader into the computer USB port.

Step 3 In the Win32 Disk Imager software interface, click the folder icon () to select the image file that has been backed up.

Step 4 Under the Device label of the Win32 Disk Imager software interface, select the SD card drive letter.

Step 5 Click the Write button () to start. This operation usually takes 30 to 40 minutes to complete.

Note: After the restore has finished, insert the SD card into ASIAIR and restart. You should be ready to Reference screenshots for WIN32 Disk Imager: On the left is *backup* and on the right, *restore*.





苏州振旺光电有限公司

Suzhou ZWO Co., Ltd.

Tel: +86 0512 65923102

Website: <https://astronomy-imaging-camera.com>

E-mail: info@zwoptical.com

Facebook: *ZWO Astronomy Cameras*

Forum: <https://bbs.astronomy-imaging-camera.com>

ZWO Users QQ Group: 292736278

Scan to visit our website

