

- 1.) Follow the instructions in the file [arm64 Debian Basic Install for Rock64](#) or [arm64 Debian Basic Install for PineH64B](#)  
A 16GB eMMC module is sufficient as the whole setup requires only 2.5GB in space when finished.
- 2.) Install sudo (log-in as root)  
  
`apt install sudo`  
  
`nano /etc/sudoers` scroll down to [User privilege specification](#)  
copy `root` for your specific username and save
- 3.) Set network to static IP address  
  
`sudo nano /etc/network/interfaces`  
  
# This file describes the network interfaces available on your system  
# and how to activate them. For more information, see [interfaces\(5\)](#).  
  
`source /etc/network/interfaces.d/*`  
  
# The loopback network interface  
`auto lo`  
`iface lo inet loopback`  
  
# The primary network interface  
`auto eth0`  
`allow-hotplug eth0`  
`iface eth0 inet static`  
    `address 192.168.1.xxx` replace `xxx` with your relevant/desired subaddress  
    `netmask 255.255.255.0`  
    `gateway 192.168.1.xxx`  
    `dns-nameservers 192.168.1.xxx`  
  
`sudo nano /etc/resolv.conf`  
  
`nameserver 192.168.1.xxx` `xxx` should match your DNS Server
- 4.) Install system monitoring  
  
`sudo apt install hddtemp lm-sensors glances python3-pip htop screenfetch inxi`  
  
`sudo nano /etc/glances/glances.conf` comment / uncomment various sections  
  
`sudo nano /lib/systemd/system/glances.service`  
  
[Unit]  
Description=Glances  
After=network.target  
  
[Service]  
ExecStart=/usr/bin/glances -w  
Restart=on-abort  
  
[Install]  
WantedBy=multi-user.target  
  
`sudo systemctl status glances.service` pressing 'q' returns to console  
  
`sudo reboot` to restart the machine and all systemd services,  
once machine is up again check `192.168.1.xxx:61208`  
if glances is running correctly.  
  
`sensors` shows all data gathered by `lm-sensors`  
`glances` shows a variety of system/machine data which can be  
configured by changing `nano /etc/glances/glances.conf`

5.) Install xfce4 Desktop Environment

```
sudo apt install xfce4 xfce4-power-manager-plugins
```

```
sudo systemctl disable lightdm.service
sudo apt purge lightdm
sudo apt autoremove
sudo apt autoclean
```

6.) Hide xfce panel for Firefox full screen

```
startxfce4
```

then click Applications → Settings → Panel  
Tab → Display, Section → General  
Automatically hide the panel → Always

Do this for **Panel 1** and **Panel 2** and don't forget the Display Power Management settings ;-)

7.) Console auto log-in and start XFCE at boot/log-in

```
nano /home/youruser/.bashrc
```

add the following to the **END** of file

```
if [ "$(tty)" = "/dev/tty1" ]; then
    startxfce4
fi
```

```
sudo nano /etc/systemd/logind.conf
```

uncomment **#NAutoVTs=6** and set to **NAutoVTs=2**

```
sudo mkdir /etc/systemd/system/getty@tty1.service.d
```

```
sudo nano /etc/systemd/system/getty@tty1.service.d/override.conf
```

```
[Service]
ExecStart=
ExecStart=-/usr/sbin/agetty --autologin youruser --noclear %I $TERM
Type=simple
```

```
sudo systemctl enable getty@tty1
```

```
sudo reboot
```

8.) Make Firefox full screen and autostart

```
sudo apt install firefox-esr webext-ublock-origin-firefox webext-privacy-badger
```

and then install "**Auto Fullscreen**" Add-on by tazeat

```
mkdir .config/autostart
```

```
nano .config/autostart/FlightAware.desktop
```

```
[Desktop Entry]
Name=FlightAware
Exec=firefox http://192.168.1.xxx:8080
StartupNotify=true
Hidden=false
Terminal=false
Type=Application
```

**xxx** should match your FlightAware Feeder Address

```
sudo reboot
```

Done, enjoy your new ADSB display !