![Viewpro logo]
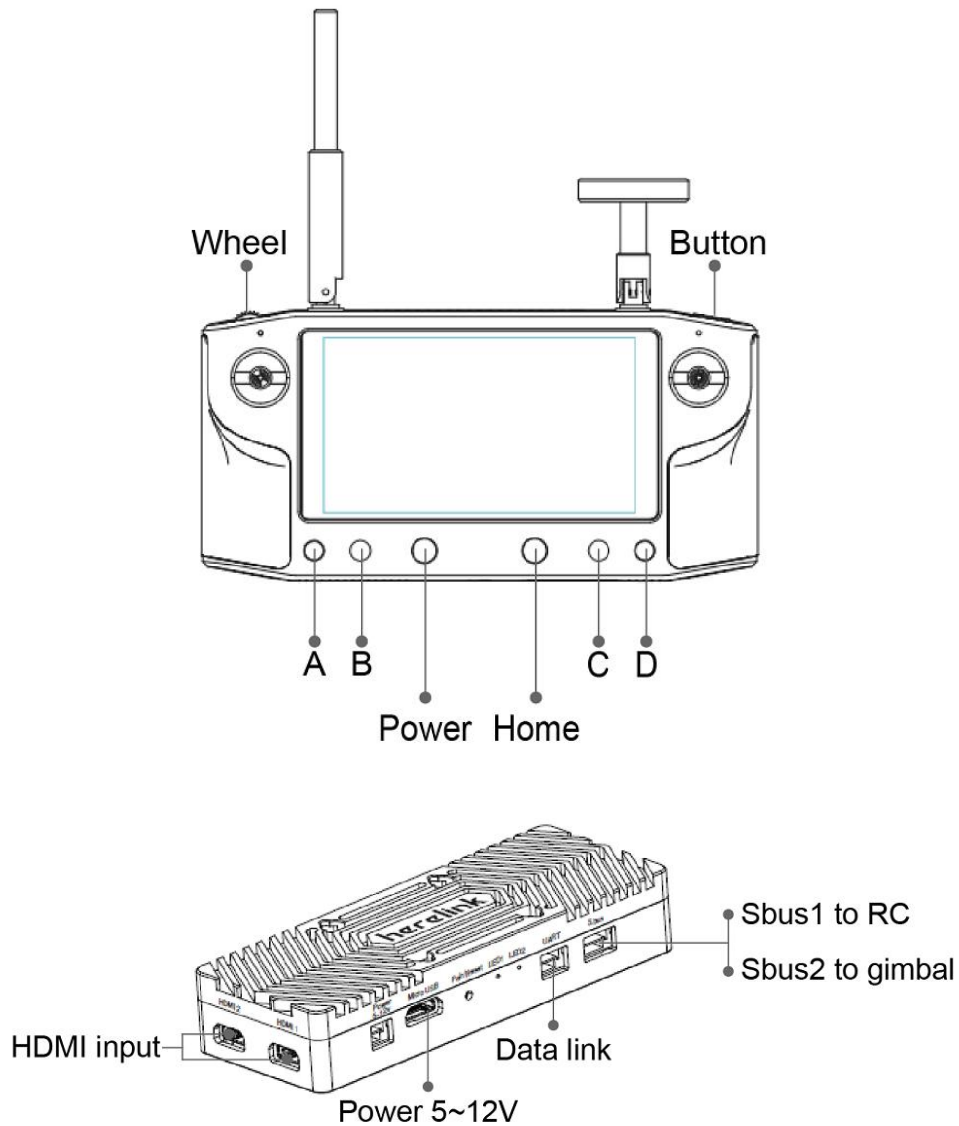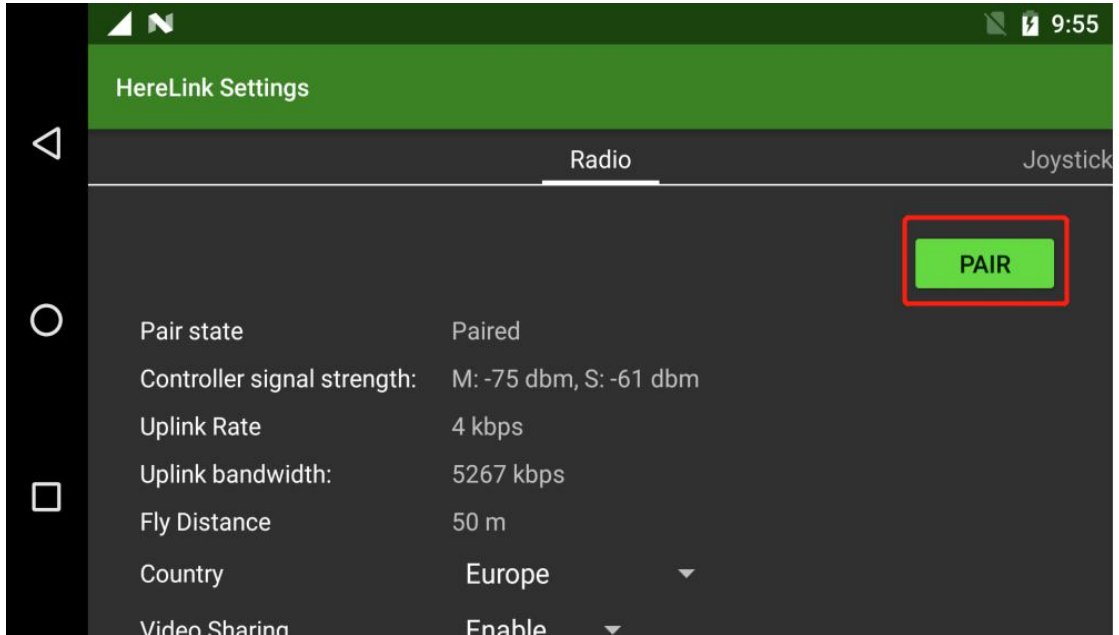
Viewpro Gimbal Camera

Herelink Dual Control Manual
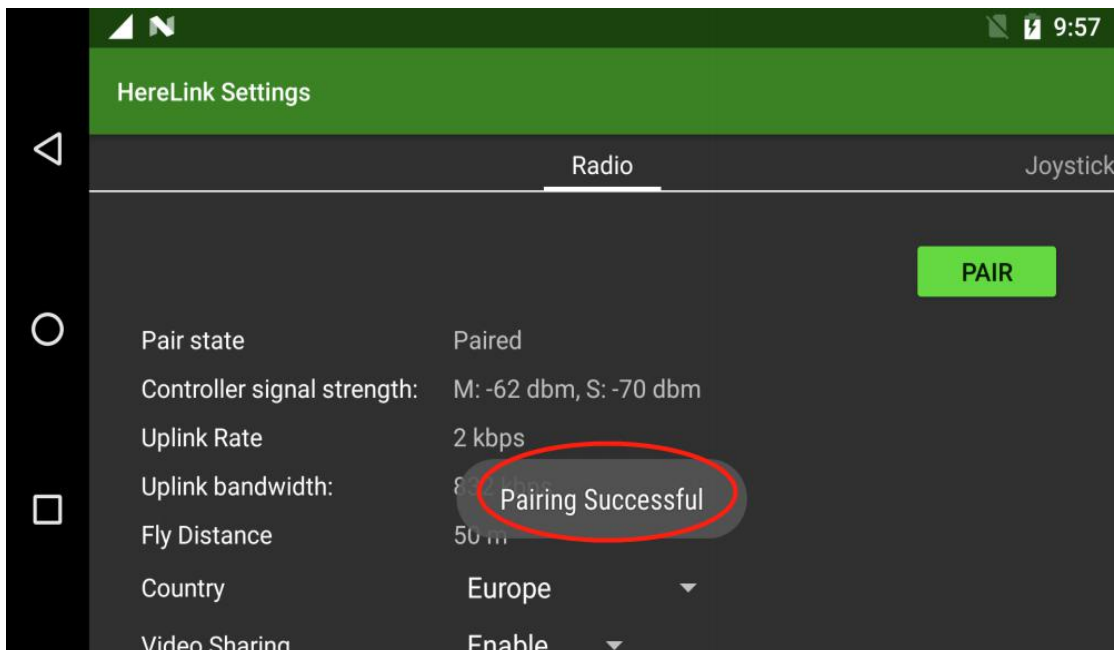
1. Herelink Remote Control and Receiver Interfaces

2. Remote Control Frequency Settings with Receiver

2.1 Swipe down the notification bar from the top and click in turn **Herelink Settings - Radio - Pair**
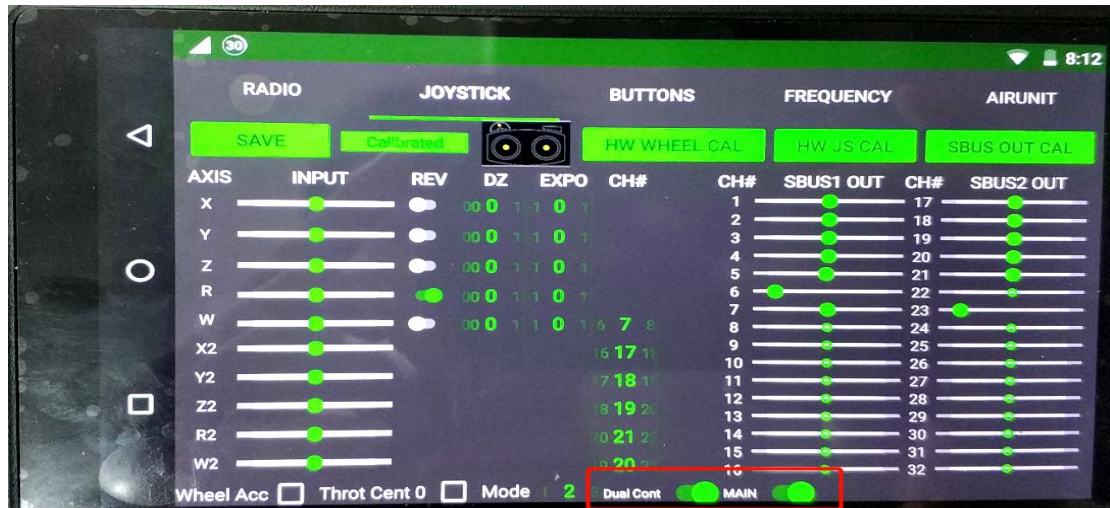
2.2 Hold down the **Pair/Reset** button on the receiver for 3 seconds and release, Herelink will display the frequency alignment result.
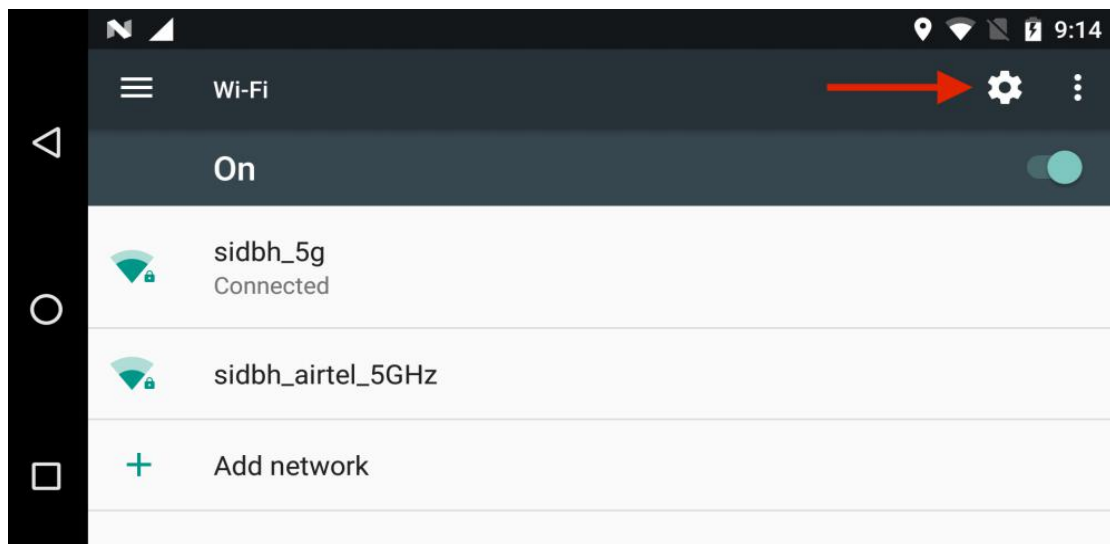

3. Set the Primary and Secondary Controller

3.1 Slide down the notification bar from the top, click **Herelink Settings - Joystick**, open the **Dual Cont** button and then open **MAIN**, indicating that the remote control is set as the **main controller** (aircraft control).
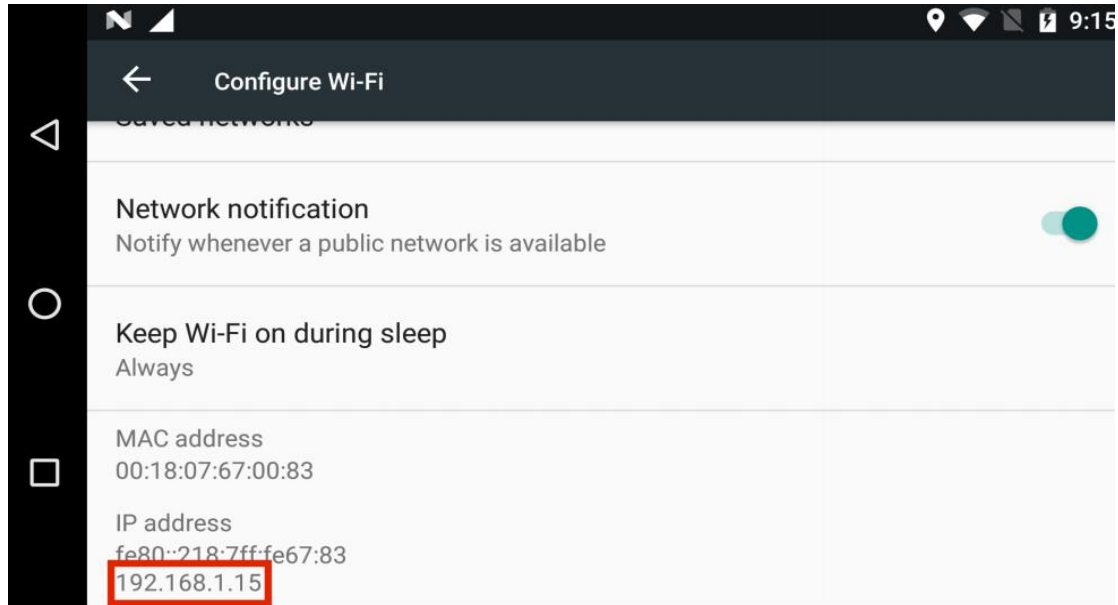
3.2 Connect to WIFI (must be **5GHZ band**)

3.3 Find the set

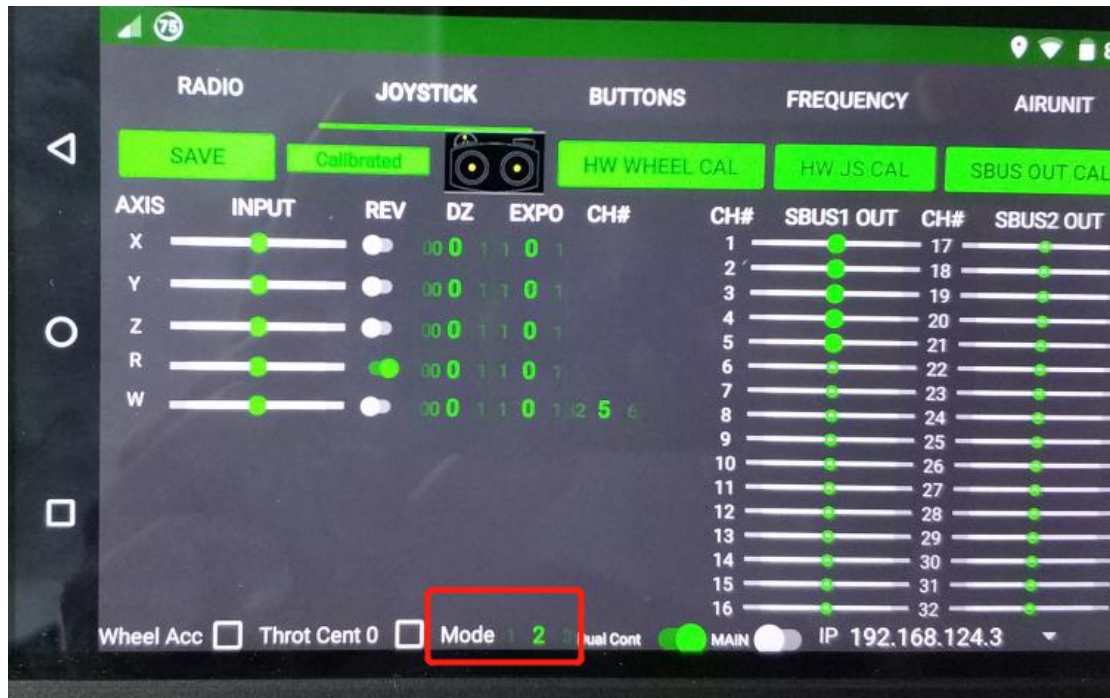## 3.4 Swipe down to the bottom to see the WIFI IP address

3.5 Open another Herelink remote control, open **Herelink Settings** - **Joystick**, and open the **Dual Cont** button. The IP address box will pop up on the right side. Select the IP address that the main control just connected to WIFI, and click **Save** in the upper left corner to set the remote control as the **secondary controller** (control console).

4. Remote control calibration

The primary and secondary controllers need to be calibrated before use. Follow the following steps

4.1 **Herelink Settings** - **Joystick**, select flight **Mode** directly below the screen, 1 for Japanese hand, 2 for American hand.

4.2 Calibrate items one by one, click **HW WHEEL CAL** to trigger calibration steps and follow the prompts. After calibration, click **Save** and the bone will turn green. **HW JS CAL** (rocker calibration), **SBUS OUT CAL** (SBUS output calibration) are similar.

5. Master Channel Function Mapping (operate on the main controller)

A. **Set Key Combinations**

1. Click **Herelink Settings** - **Buttons**, **Add** (A short press, B short press, Home short press), and leave the right side M and T unchecked (as combination)

2. Check **Default Button** corresponding to A short press (check at least one item)

3. Set **Active Value** of A, B, and Home to **1100**, **1500** and **1900** respectively (PWM value).

4. Set **Channels** of A, B and Home to **5** (because the default flight control parameter fltmode=5), and set **BUS** to **1**

B. Set Single Channel Button

1. Add (D short press, CAM short press), Select **T** at the right (as single channel)
2. Set **Default Value** and **Active Value** of D and CAM to **1100** and **1900** respectively
3. Set **Channel** of D to **6** (custom) and **Bus** to **1**
4. Set **Channels** of CAM to **7** and Bus to **2**. Click **SAVE** in the upper right corner after setting.

C. Channel Function Description

1. A, B, Home are flight mode switching buttons. Short press on **A (Qstabilize), B (Qloiter), Home (Rtl)**, and the flight mode will be mapped on ground stations accordingly.
2. D: short press to turn on the navigation light, press again to turn off the navigation light.
3. CAM: press to take picture, again to record, then cancel

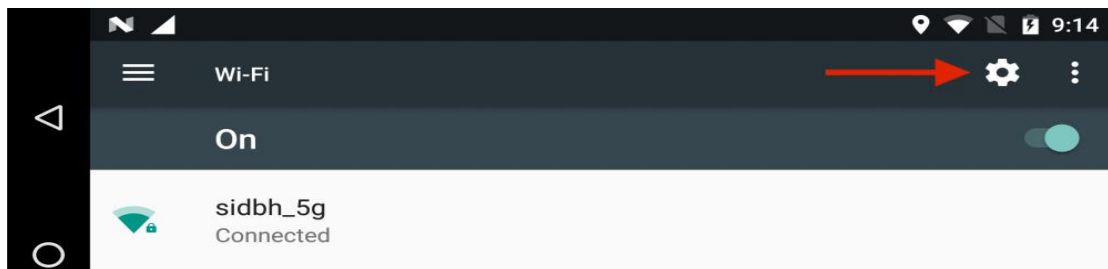## 6. Secondary Controller Channel Function Mapping (operate on the main controller)

1. Connect the SBUS cable (GND and SBUS) of the gimbal camera control box to SBUS2 of the receiver, and power on the device.
2. **Herelink Settings - Joystick**
3. Map the **CH#** of X2, Y2, Z2, R2, W2 to 17, 18, 19, 21, 20
4. Map functions X (yaw), Y (pitch), Z (track and cancel), R (zoom), W wheel (home position and speed adjustment)
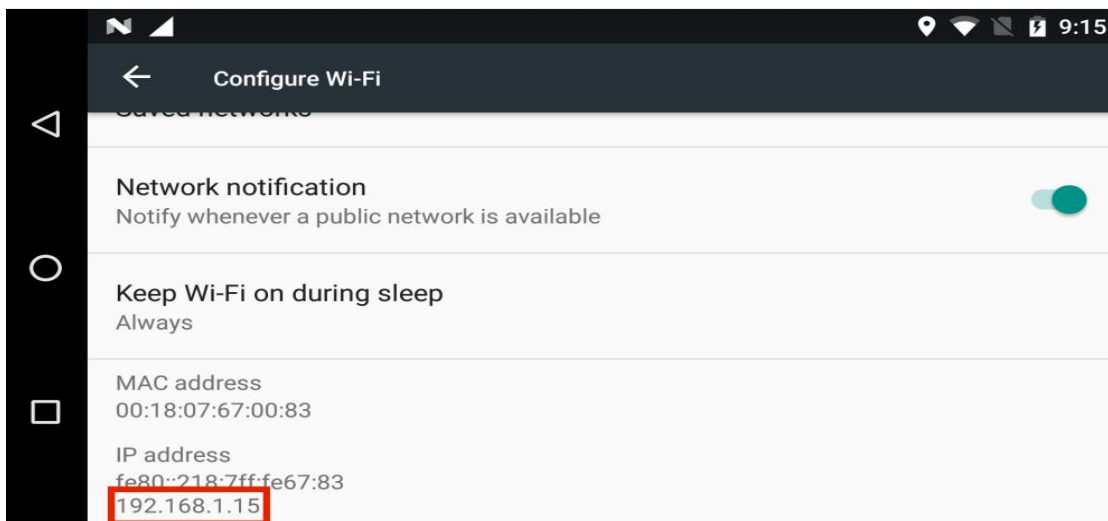5. Click **SAVE** in the upper left corner

7. Display Video on Secondary Controller QGC

The Herelink main controller can stream video by connecting to 5G Wifi using Herelink IP on the network.
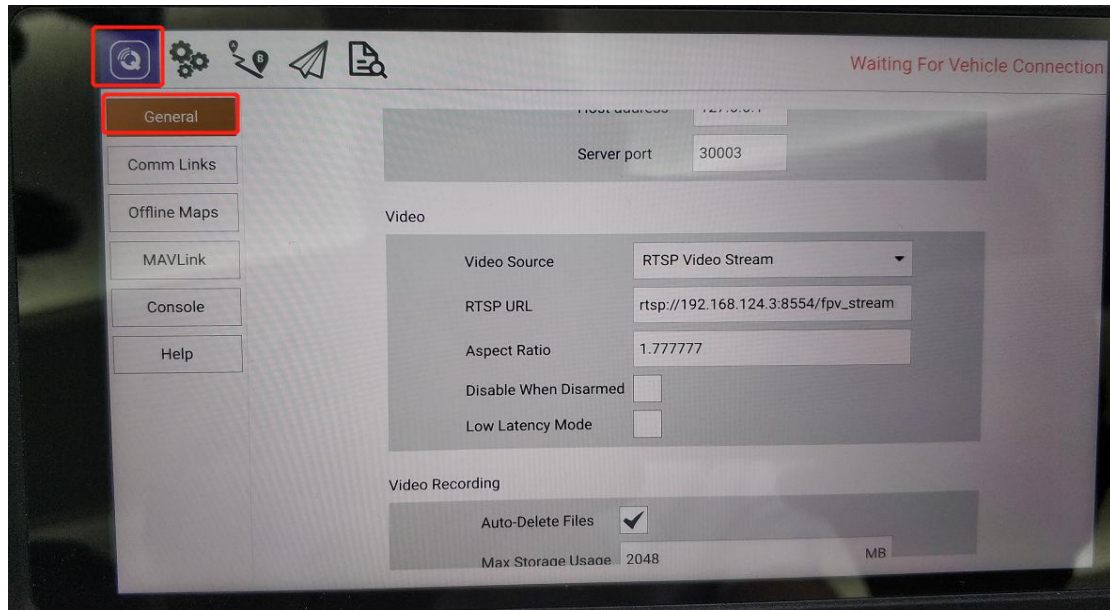
1. Slide notification bar, press and hold the "Wifi" logo to jump to the Wifi interface, and then click Settings on the right
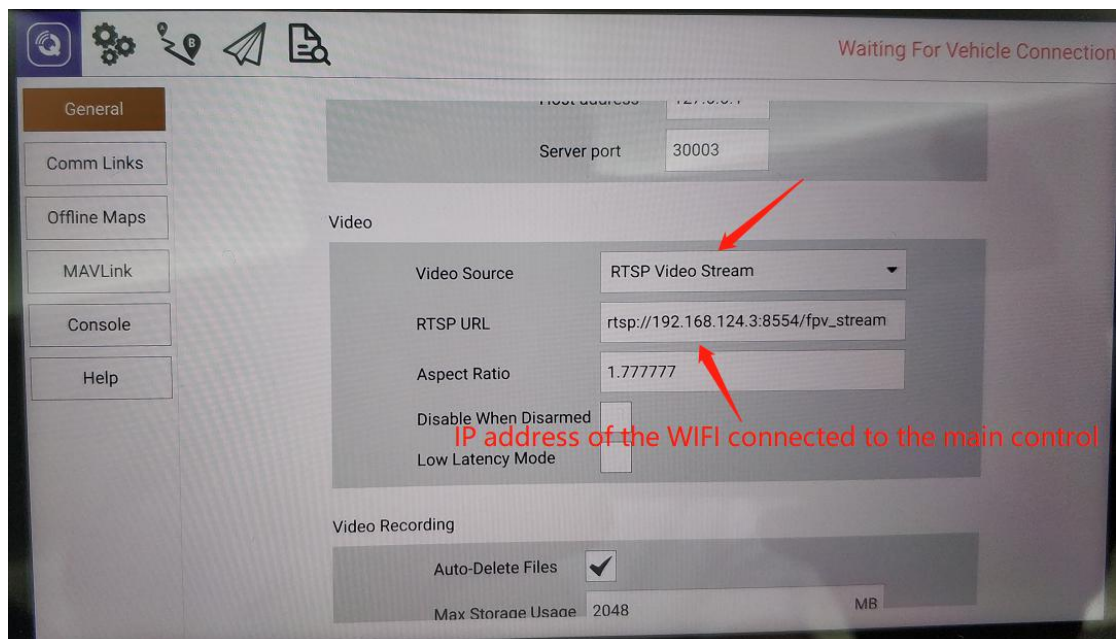

2. Swipe down to find the IP address

3. Open QGC on secondary controller. Click the **Q** icon in the upper left corner and select **General**.

4. Scroll down to find the **Video** and select **RTSP Video Stream** as the Video source. RTSP URL input **rtsp://<IP address of the master WIFI>: 8554/fpv_stream**

5. Then you can watch the video in the lower left corner of the QGC map interface