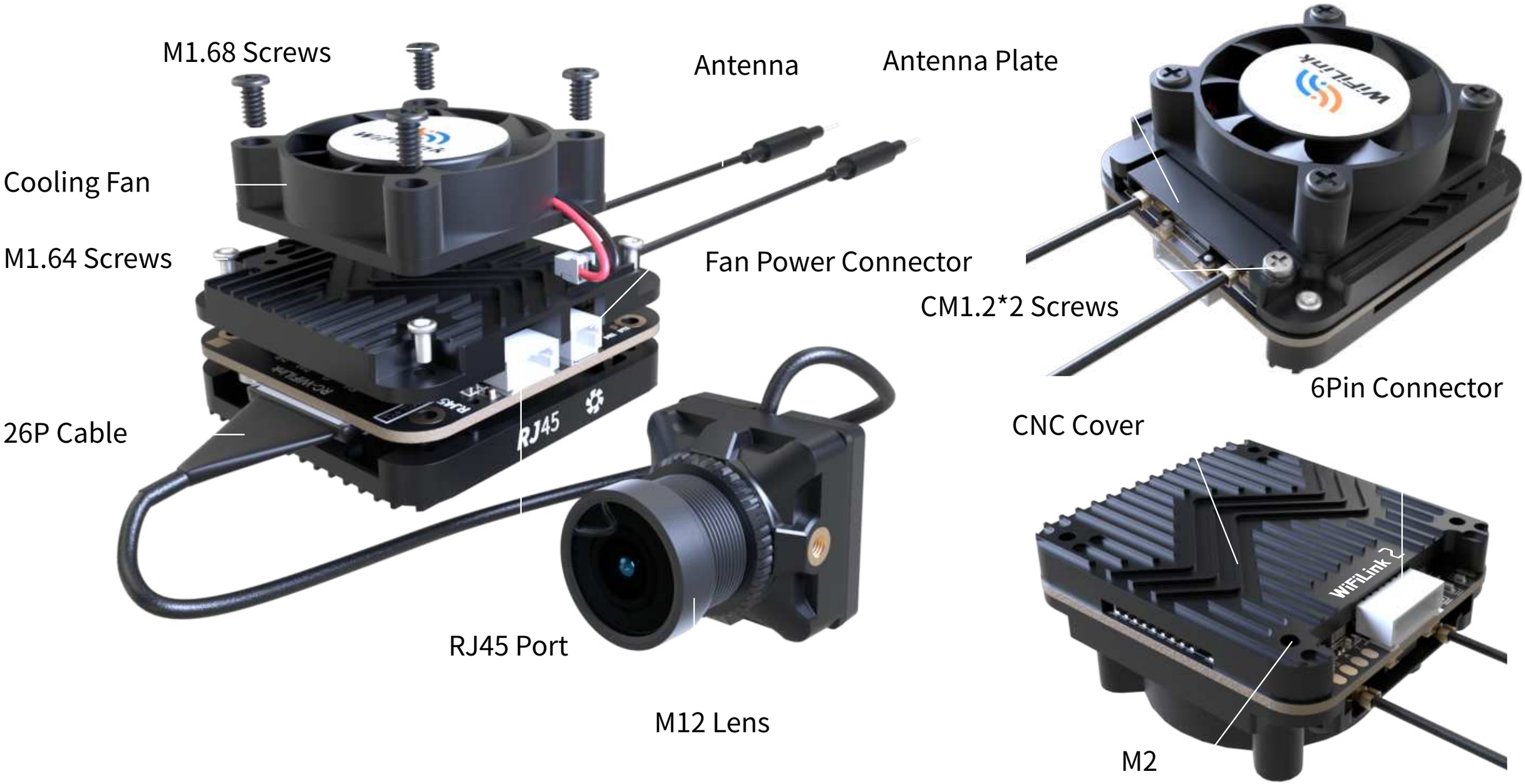
RJ45

Product Features



Installation & Operation Notes

• Antenna Installation

When installing the WiFiLink 2 on the aircraft, pay attention to the following two points:

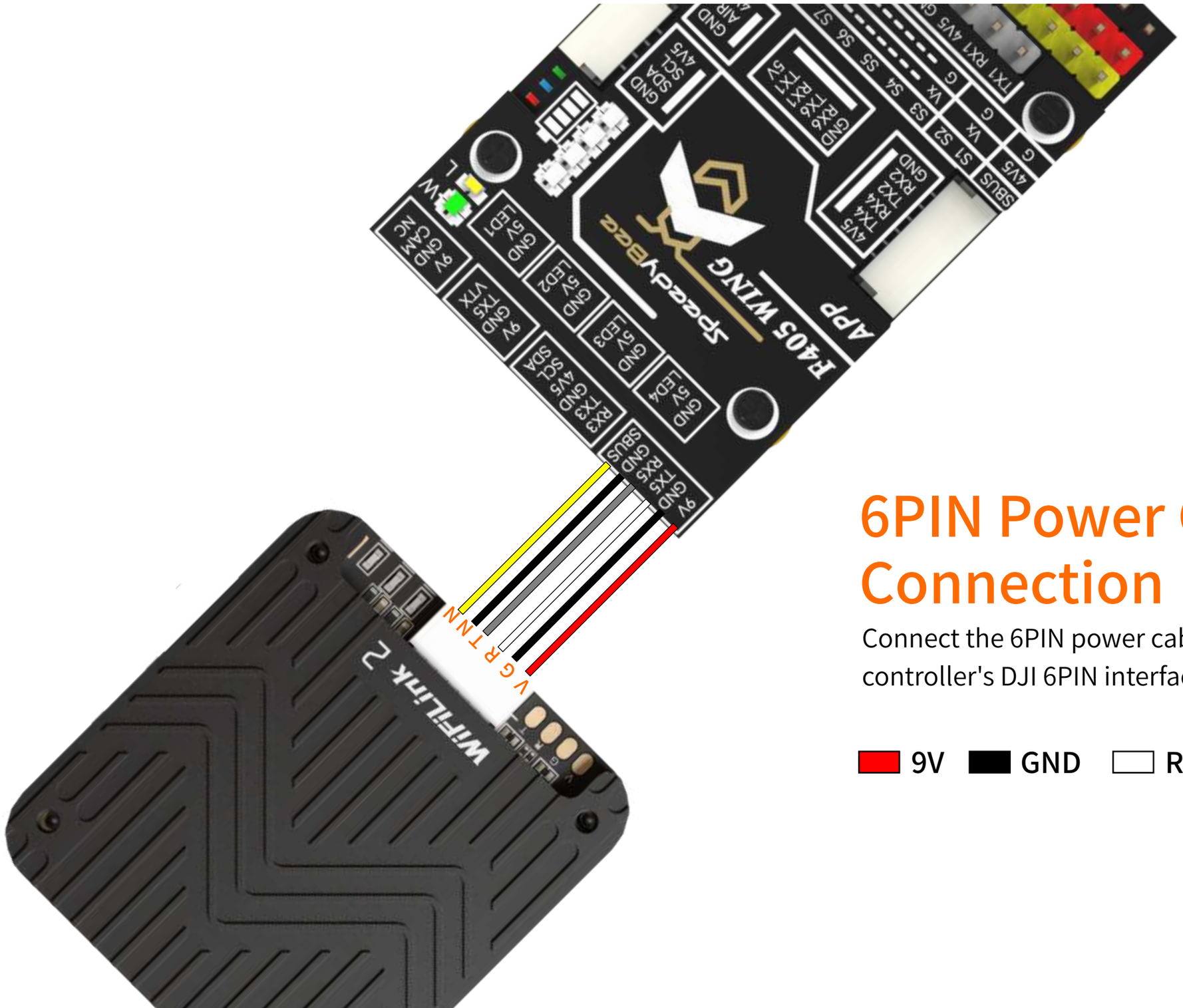
Antenna Layout:

Ensure that the two tail antennas are fully spread apart to avoid entanglement and reduce signal interference.

Antenna Orientation:

Point the antennas upward to avoid obstructions from the fuselage or battery, ensuring optimal signal performance.

Installation & Operation Notes



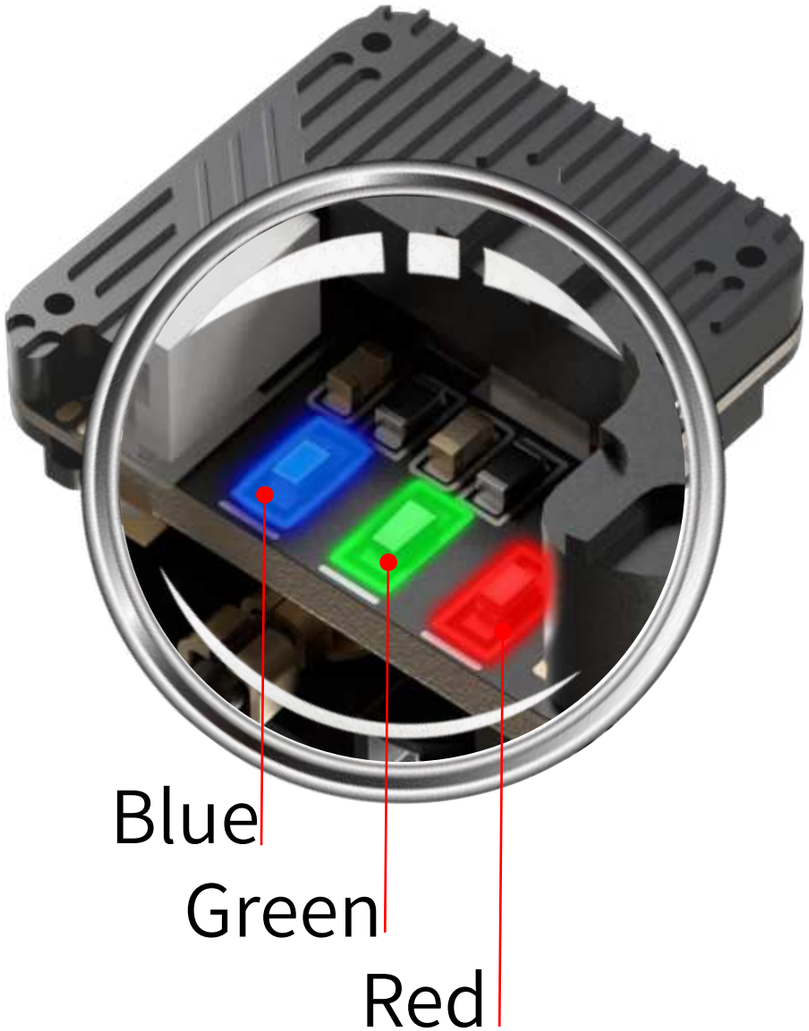
6PIN Power Cable Connection

Connect the 6PIN power cable to the flight controller's DJI 6PIN interface.

9V GND RX TX NC NC

Light Introduction

Light Status	Indication
Green Off	Audio off
Green Solid	Audio on
Green Fast Flash	Firmware upgrade
Green Slow Flash	Recording on
Blue Solid	WiFiLink Startup
Blue Fast Flash	WiFi Error
Blue & Green Alternating Flash	High Temp Warning (>90°C)



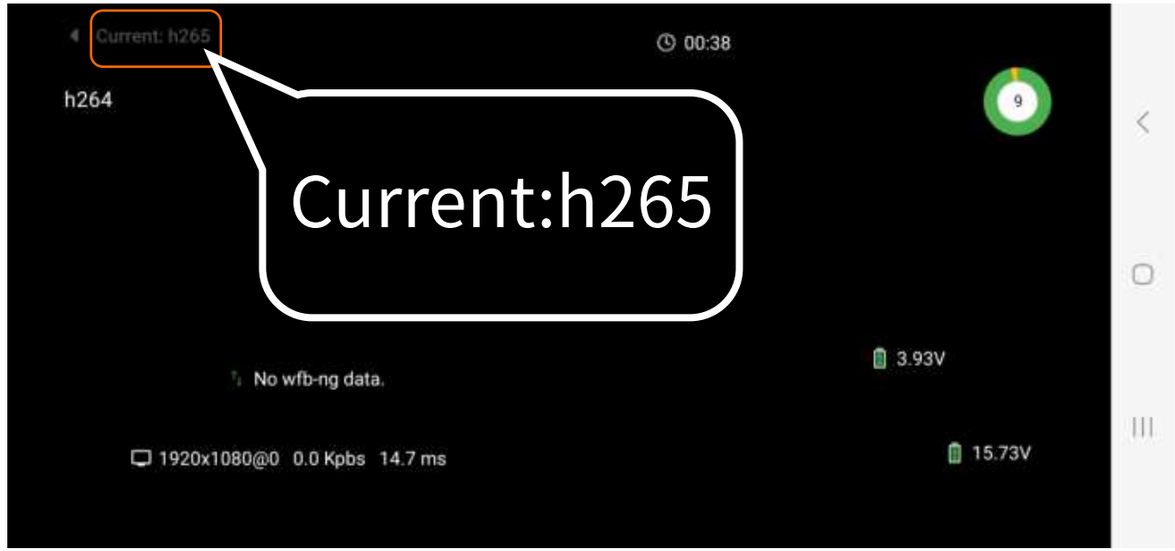
Usage Instructions

• Install the APP

PixelPilot Download Link:
https://github.com/OpenIPC/PixelPilot/releases

• Set Parameters

Set the Channel to 161 and the Video Codec to h265.



Usage Instructions

•Auxiliary Tools Links

OTG Cable Reference Link:
https://item.jd.com/10087520840342.html#crumb-wrap
8812AU Wireless Adapter Reference Link:
https://item.taobao.com/item.htm?id=597898122636

•How to Flash WiFiLink 2

Card Flashing Steps:

①Prepare Files

Copy WiFiLink-part0.bin and WiFiLink-part1.bin to the root directory of an empty SD card.

②Upgrade Steps

Insert the SD card into the camera mainboard and power it on. The camera will enter upgrade mode (about 15 seconds), with the green light flashing. After the upgrade (about 1 minute), the green light will turn off, and the SD card will be cleared. Upon re-powering, new configuration files (gs.key and user) will be generated.

Card Flashing File Address:
https://www.runcam.com/download/runcamwifilink2

•How to Obtain Configuration Files

Insert an empty SD card into the camera and power it on. It will generate the configuration files automatically.

Usage Instructions

•How to Set Parameters

It is recommended to use Notepad++ to edit the user file. Only the parameters listed under "Available values" can be modified, including:

Channel	Codec
ResolutionRatio	Bitrate
Mirror	Flip
Rotate	Contrast
Hue	Saturation
Luminance	.....

•How to Use the Ethernet Port

Default Settings:

IP Address	192.168.1.10
Username	root
Password	12345

Usage Instructions

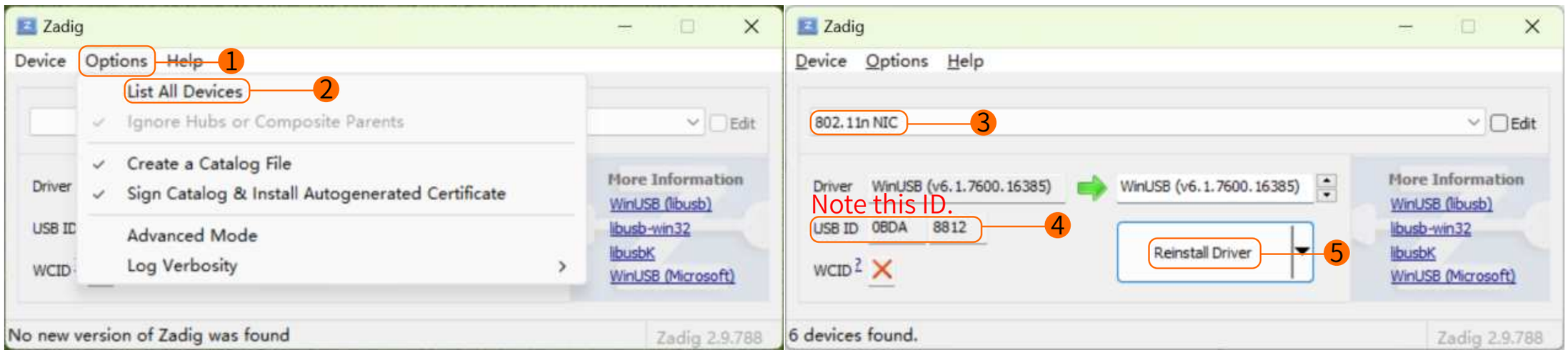
•How to Use with a PC Ground Station

Program Download:https://github.com/OpenIPC/fpv4win/releases

Follow these steps:

①Step One

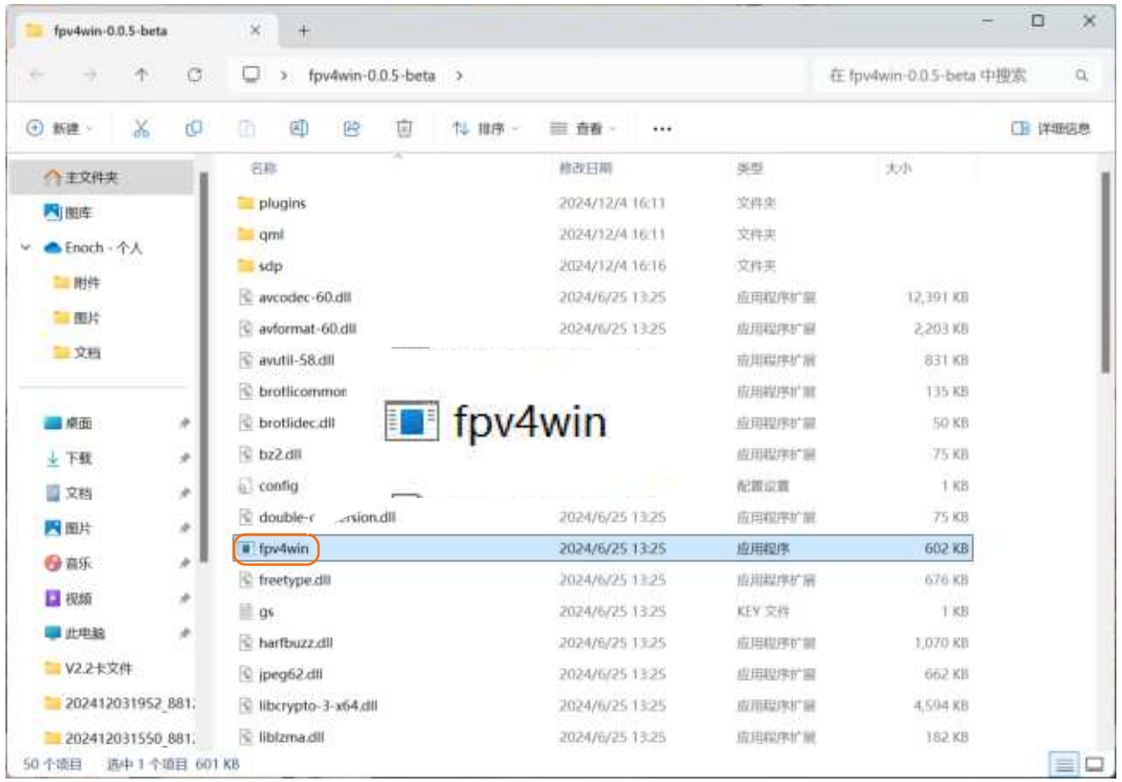
Insert the 8812AU wireless adapter into the computer and reconfigure the driver using the Zadig program.

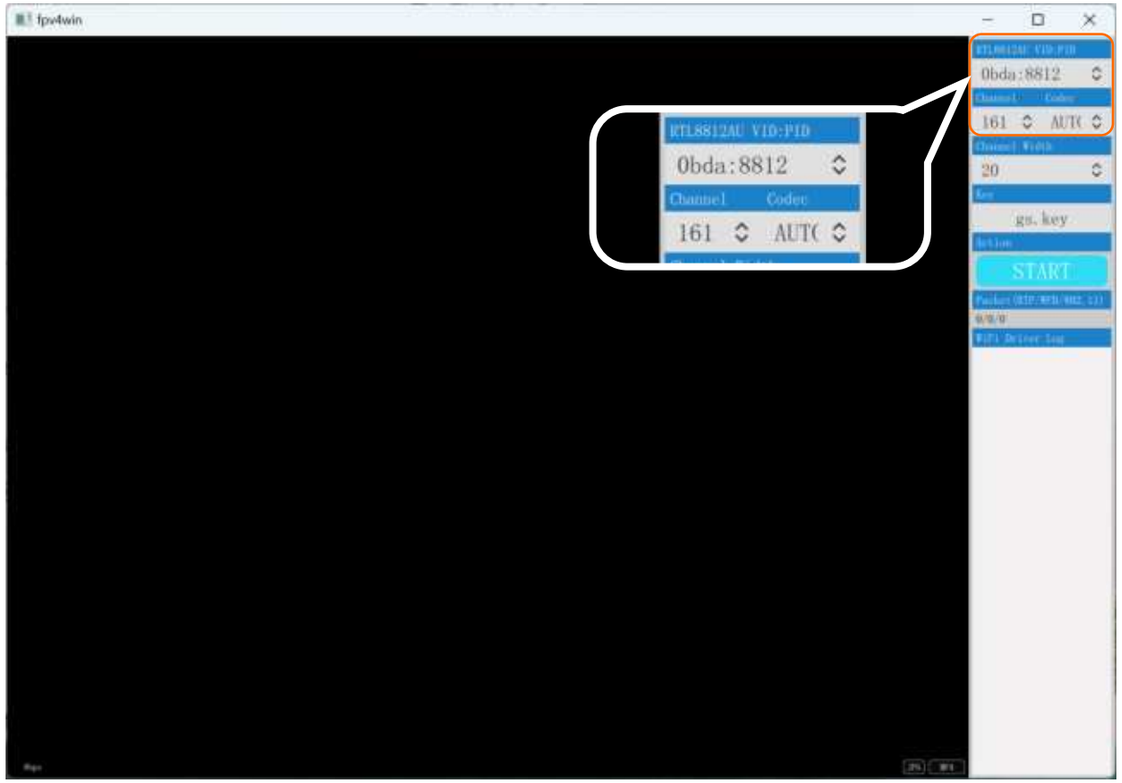


②Step Two

Double-click the fpv4win program, select the network card, Channel, and Codec, then click START to use.

Usage Instructions





•How to Use with Radxa ZERO 3W

Visit:https://support.runcam.com/hc/en-us
Contact our technical support team for detailed guidance.

•What to Do if There Is No Display

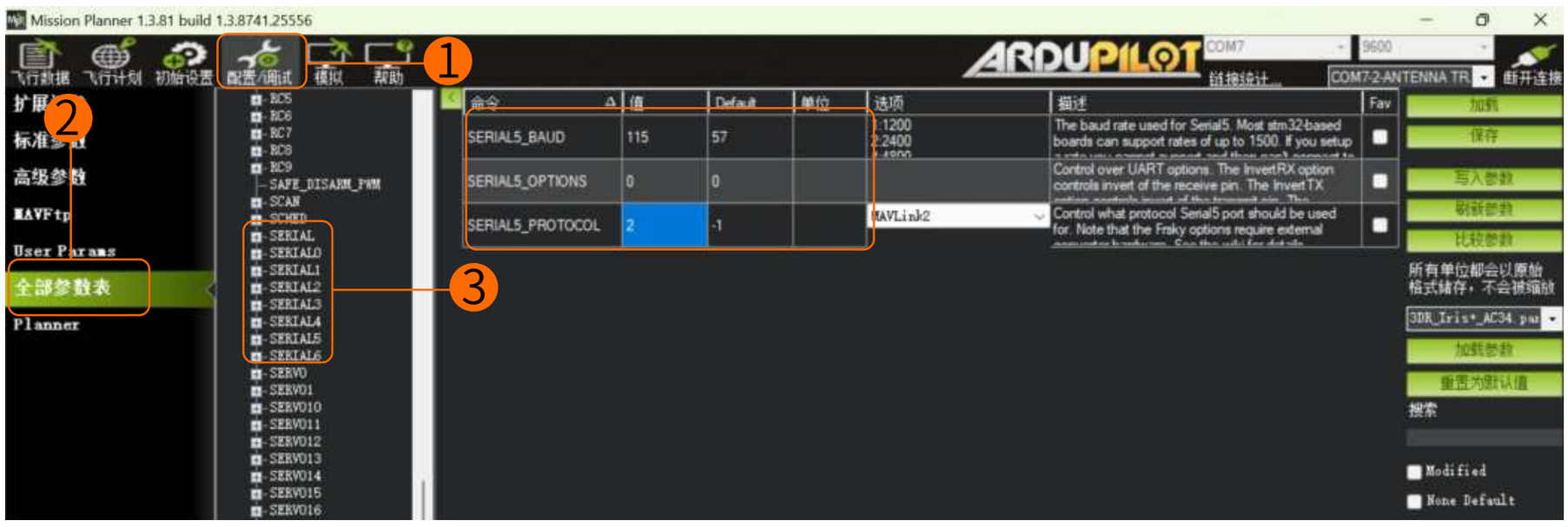
Check if the power supply is normal and verify that the Channel and Codec settings are correct.

Usage Instructions

•What to Do if FC OSD Information Is Missing

①Check Configuration

Verify that the configuration settings are correct. The three parameters should be: 115 (corresponding to 115200), 0, 1, or 2 (corresponding to Mavlink1 or 2).



②Check the Serial Port

Confirm that the FC serial port data is normal and available, and the wiring is correct, with TX and RX cross-connected.

Specifications

Model	WiFiLink 2
Sensor	IMX415
FOV	160°
Resolution	1080P@60FPS/1080P@90FPS/720P@120FPS
Power Supply	9-22V(Max15W)
Lens Module	19*19mm/M12 Lens/MIPI Cable 130mm
Hole Distance	25.5*25.5mm
PCB Size	30.6mm*33mm
Weight	30g (with fan) / 25g (without fan)
Antenna	2dBi MAX /IPEX1 (5G)

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.
Note: This equipment has been tested and found to comply with the limits for a ClassB digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's

authority to operate the equipment.

FCC Radiation Exposure Statement
This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter

must not be co-located or operating in conjunction with any other antenna or transmitter.

This device must operate with a minimum distance of 20 cm between the radiator and user body.