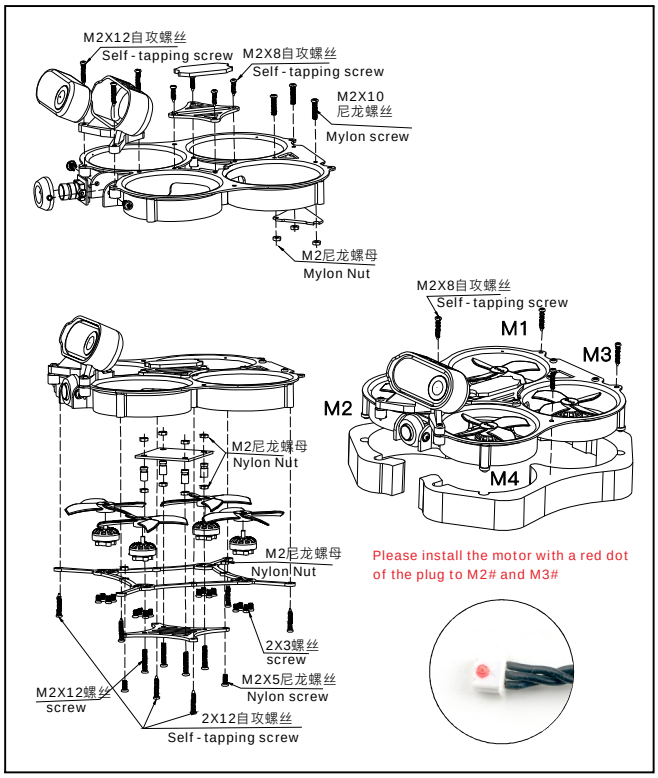
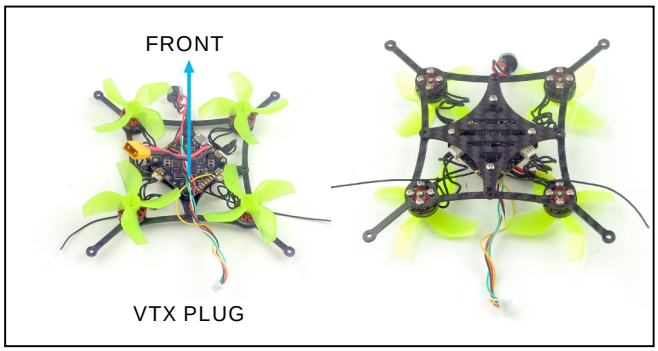
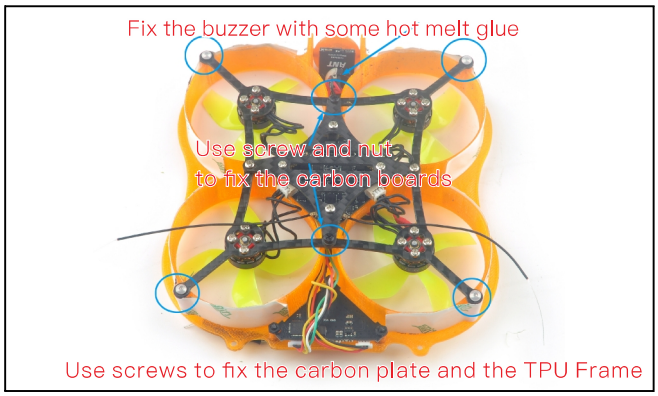
1. Frame assembly exploded view

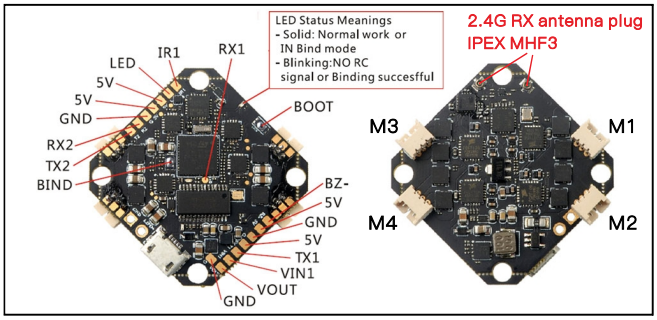


2. Major component assembly procedure





3.Flight controller Pinout schematics

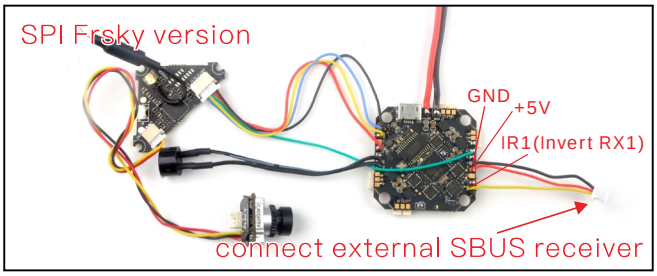


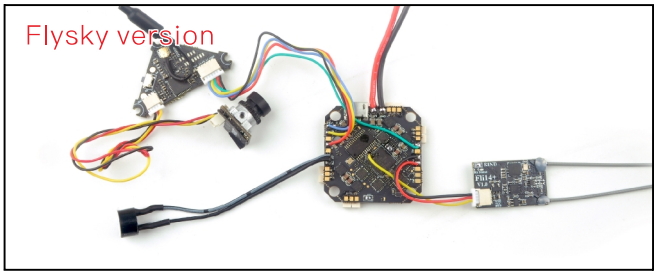
Default Betalfight firmware version is 4.2.5 MATEKF411RX

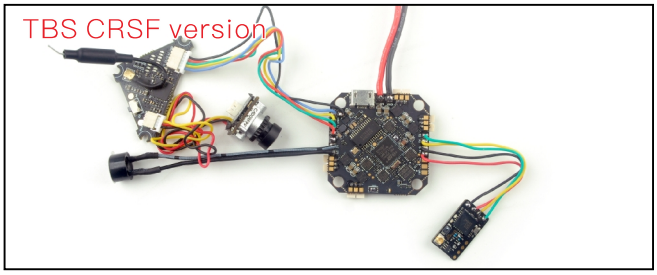
Deafault BLHELI_S firmware version is JazzMaverick 16.8 Target F_H_40_48_REV16_8.HEX

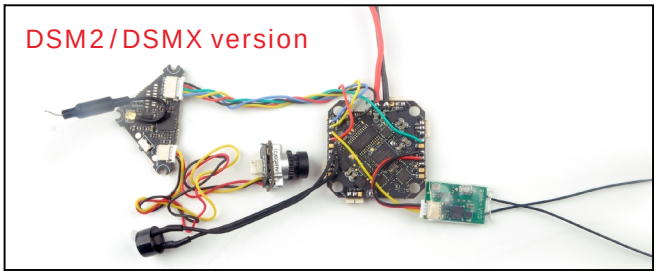
All the settings are ready before out of factory , you just need to assemble the frame and then bind and fly . If you try to flash firmware then you need to setting the flight controller like the following pictures.

4.Flight controller connection diagram

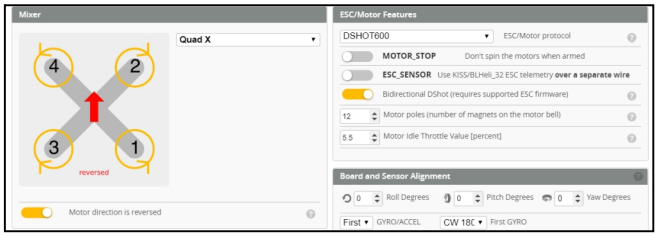


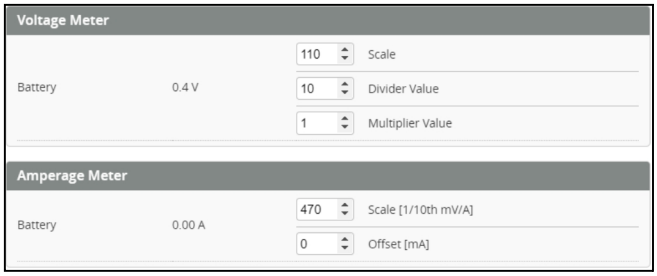


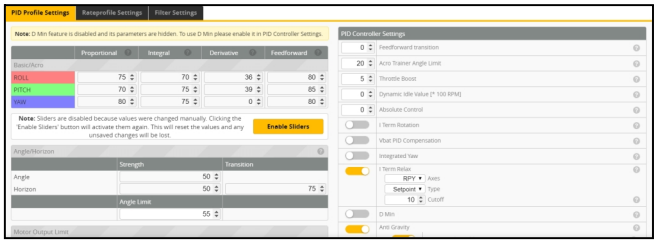




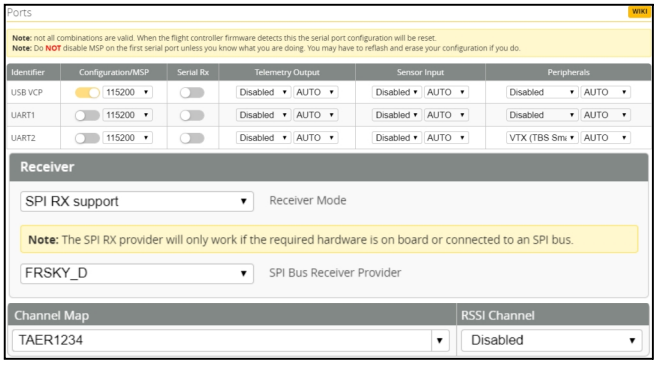
5.General settings of Betaflight4.2.5



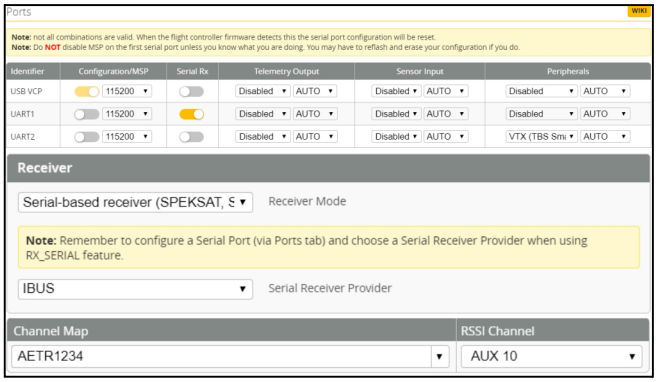




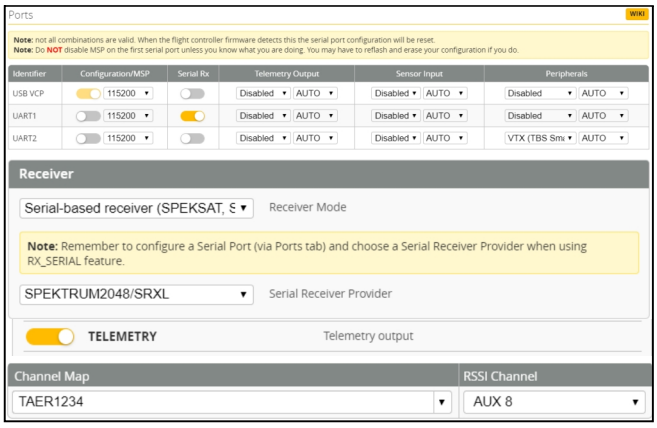
6. Settings of the different versions



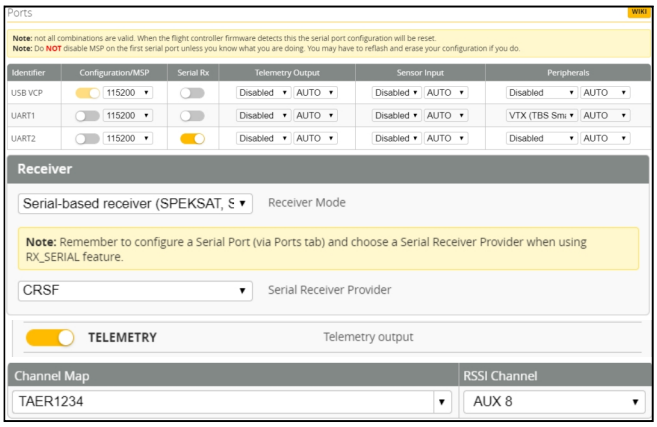
Flysky version



DSMX version



TBS CRSF version



7.Bind procedure

SPI FRSKY

Frsky_D protocol is for D8 mode, Frsky_X protocol is for Frsky ACCST D16 mode, Frsky_X_LBT is for EU-LBT Frsky ACCST D16 mode, S-FHSS protocol is for Futaba S-FHSS mode, Redpine is for some multi protocol radio transmitter with Redpine mode.

Plug the USB and go to the CLI command tab from the Betaflight configurator, then type “Bind_rx”, the red LED will getting to be solid , and it means the receiver is in bind mode. Make your radio transmitter get into bind mode, the red led would shining slowly if bound successful.

It should be noted that when you use some new version of Access remote controller to run ACCSTD16 mode for binding, even if the binding is successful, the red LED will not flash slowly, you need to manually enter "save" from the CLI command of the configurator to finished the binding procedure.

```
Entering CLI Mode, type 'exit' to return, or 'help'

#
# Building AutoComplete Cache ... Done!
#
# Bind_rx
Binding...

# save
```

FLYSKY

Plug the usb of the flight controller to the computer while holding the binding button of the Flysky fli14+ receiver, then released the bind button, the red LED on the receiver will blinking fast, this indicates the receiver is in binding mode. Set the Receiver RX Setup to AFHDS-2A mode for your radio transmitter , and get the transmitter into binding mode, the Red LED will getting to be solid and the transmitter will auto exist binding mode, this indicates binding successfully.

DSM2/DSMX

Plug the USB of the flight controller to the computer while holding the binding button of the the Speki+ receiver. The red LED of the receiver start to blinking fast, this indicate the receiver is in bind mode, then make your radio transmitter get into bind mode. If the red LED on the receiver turned off , this indicate bind is successful then quit bind mode for the radio transmitter The red LED on the Speki+ receiver is solid , now the radio transmitter and the receiver are working fine.

TBS CRSF VERSION

1. Just power up the TBS CROSSFIRE transmitter
2. On the standard transmitter, enter the configuration menu by pressing and holding the joystick for 3 seconds, select “General” and “Binding” - a message “Binding” will start blinking, waiting for the receiver. On the micro transmitter, a short press on the button will initiate binding mode.
3. Now, plug the USB of the flight controller to power up the receiver (without pressing the Bind button!), if your receiver has not been previously bound, it will automatically bind. Otherwise, press and release the “BIND” button on the receiver to initiate binding. On the receiver is a timeout of one minute for after power up to enter bind mode. If the status LED will start blinking slowly the receiver has switched successfully to bind mode.
4. Within a few seconds the process will finish with a “Binding complete” message on the standard transmitter, or a solid green LED on the micro transmitter. The receiver has now stored the unique serial number of that particular CROSSFIRE transmitter. If it doesn't bind, please verify that your firmware is to the newest version on both the receiver and the transmitter.