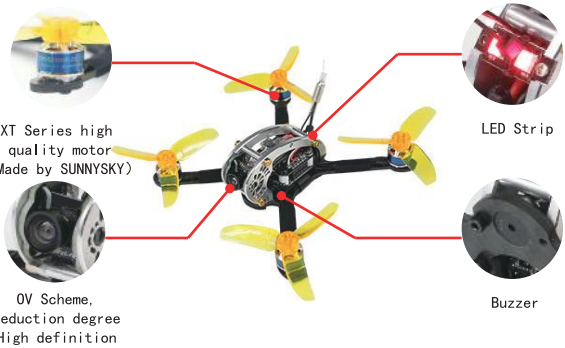
KINGKONG-RC.COM

Motor, Camera
Battery
2017.9 Update

FLYEGG Series PNP

Instruction manual



Feature

* The structure uses 2.5mm thick carbon fiber and 7075 aviation aluminum alloy material, light weight, high strength.
* Product performance and wheelbase for indoor through the special design.
* 4in1 10A 2S~3S AIO ESC support MULTISHOT,ONESHOT and DSHOT provedes a better user experience.
* Modular design, PIKO BLX FC, with the latest betaflight firmware.

FLYEGG100 Configuration

Flyegg100 (Buzzer and LED)

Wheelbase:100mm
Flytower20*20mm:
PIKO BLX(F303CC+MPU6000)
4in1 10A BLheliS
VTX:Q100 VTX(25mW/100mW 16CH)
Camera:800TVL 150°
Motor:XT1103-7800KV
Prop: 1935
Battery:7.4V 450mAh 80C
Weight:65.2g(without battery and receiver)
Receiver: FM800(Futaba),XM(Frsky), FS-RX2A(Flysky),DSM2(Spektrum)

FLYEGG100 package list

FLY EGG 100


PNP*1


1935*4pairs


Protective cover*4


Battery*1


USB cable× 1


Unloading paddle*1


Rubber× 2


Motor protective seat*4

FLYEGG130 Configuration

Flyegg130 (Buzzer and LED)

Wheelbase:130mm

Flytower20*20mm:

PIKO BLX(F303CC+MPU6000)

4in1 10A BLheliS

VTX:Q100 VTX(25mW/100mW 16CH)

Camera:800TVL 150°

Motor:XT1104-7500KV

Prop: 2840

Battery:7.4V 550mAh 80C

Weight:77.5g(without battery and receiver)

Receiver: FM800(Futaba),XM(Frsky), FS-RX2A(Flysky),DSM2(Spektrum)

FLYEGG130 package list

FLY EGG 130

PNP*1

2840*4pairs

Protective cover*4

Battery*1

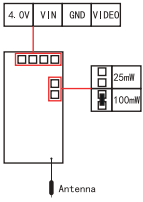
USB cable× 1

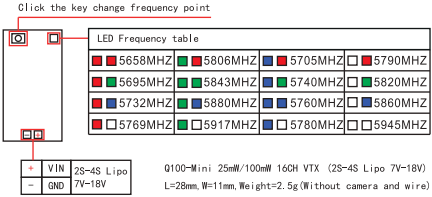
Unloading paddle*1

Rubber × 2

Motor protective seat*4

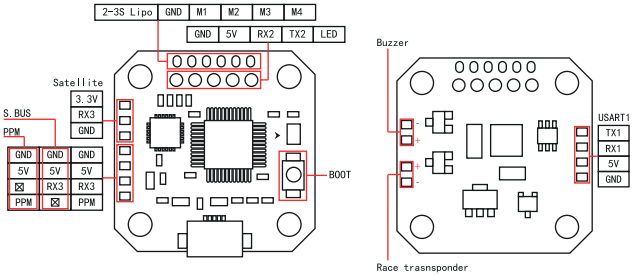
VTX



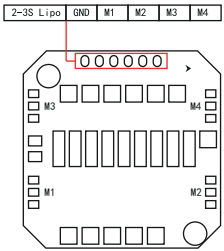


Please attention ventilation cooling

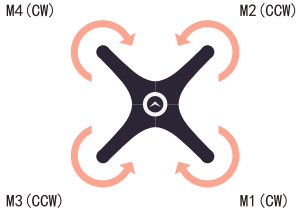
FC



ESC



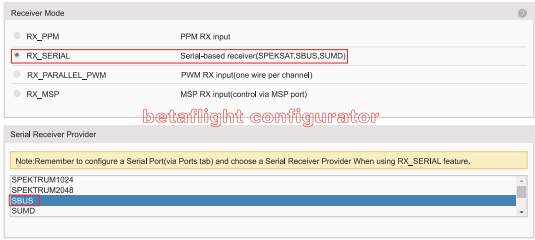
Motor mixer



Note:pay attention to the direction of rotation of the motor when installing the prop

XM bind (default S.BUS),example(FRSKY X9D)

1. Open remote control, set D16 mode.
2. Hold receiver bind button to power, loosen until red and green light constant lighting.
3. Open remote control Bind, press "Enter" and wait a few seconds, then stop Bind when red light flash and green light constant lighting.
4. Disconnect receiver power and power-on again, green light constant lighting means bind success.



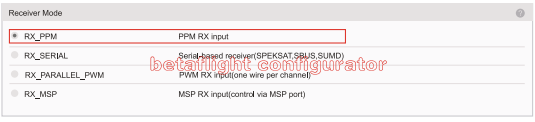
FS-RX2A bind (default PPM), example (FLYSKY FS-i6)

1. Hold receiver bind button to power, loosen until LED fast blink.
2. Hold remote control Bind button and open the power supply.
3. Remote control enter bind mode, close the power supply.
4. Open the remote control power supply, LED light constant lighting means bind success.

PPM mode to S.BUS mode

Note:

1. Remote control and receiver switch output mode under normal communication, long press bind button 2S to SBUS mode.
2. Indicator light quick flashing twice and then put out 1S means success switch to SBUS mode.



FM800 bind (default S.BUS, nonsupport PPM), example (FUTABA T8FG)

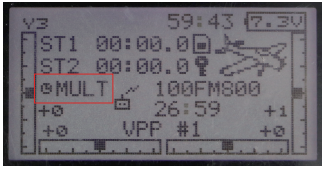
1. Open remote control, hold receiver bind button to power.
2. Green light constant lighting means bind success.

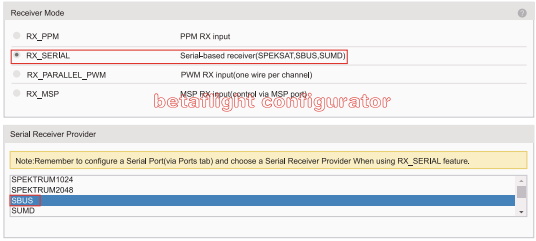
Note:

S.BUS and CPPM mode switch

Close remote control, press bind button 6S when red light flash, loosen until enter S.BUS and CPPM mode switch.

1. Green light quick flashing, press bind button and disconnect power, power-on again, enter S.BUS mode.
2. Green light slow flash, press bind button and disconnect power, power-on again, enter PPM mode.





DSM bind, example (T-SIX)

1. Remote control in off state, hold receiver bind button to power.
2. Loosen until indicator light fast blink, enter to bind mode.
3. Open remote control bind mode, indicator light constant lighting means bind success.

Note 1:

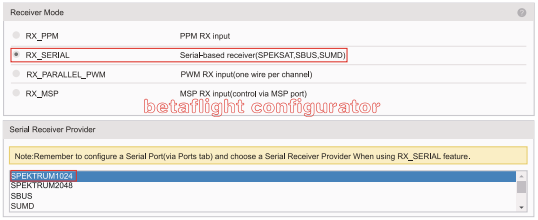
DSM2 uses SPEKTRUM1024 or SPEKTRUM2048 protocol, according to the remote control model to choose corresponding serial port protocol (example T-SIX, set protocol as SPEKTRUM1024).

Note 2:

DSMX remote control bind to DSM2 and DSMX receiver, but DSM2 remote control only bind to DSM2 receiver.

DSM2: Old SPEKTRUM and JR remote control protocol, widely-used with good compatibility.

DSMX: Newest SPEKTRUM remote control protocol, DSMX backwards compatible DSM2.



Camera

1. Assemble the camera seat.

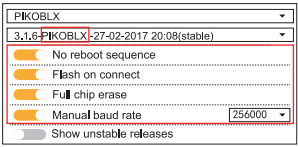
2. Determine angle.

3. Fixed camera.

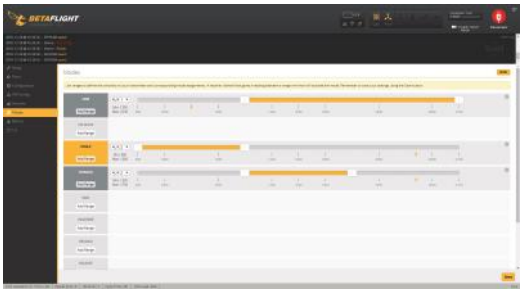
Firmware update

BETAFLIGHT firmware allready flash before leave the factory, user just need connect PC to adjust the parameter.

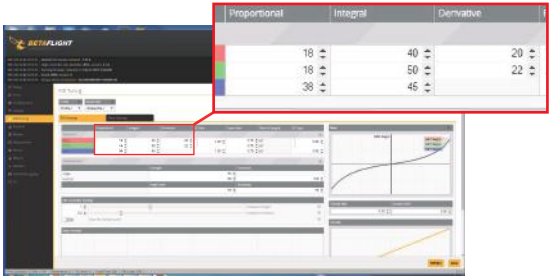
1. Open betaflight configurator then click Firmware Flasher select FW version



2. Click Load Firmware[Online] then click Flash Firmware to download FW to FC, click after FW updating finish into settings menu.
3. LED setting, select Configuration, then open LED_STRIP
4. Buzzer setting, select Configuration, then open VBAT
5. Default setting of receiver is 5th channel ARM, 6th channel mode switching.



6. PID default setting



Product and Factory code

Name	Factory Code	Name	Factory Code
FLYEGG 100PNP NO RX	PNP.FLYEGG100.NO RX	XT1103-7800KV	MOTOR.XT1103-7800KV
FLYEGG 100PNP XM	PNP.FLYEGG100.XM	XT1104-7500KV	MOTOR.XT1104-7500KV
FLYEGG 100PNP FM800	PNP.FLYEGG100.FM800	Flytower 20*20	FC+ESC.FlYTOWER20*20
FLYEGG 100PNP FS-RX2A	PNP.FLYEGG100.FS-RX2A	Flytower 20*20(ESC)	ESC.FlYTOWER20*20
FLYEGG 100PNP DSM2	PNP.FLYEGG100.DSM2	Flytower 20*20(FC)	FC.FlYTOWER20*20
FLYEGG 130PNP NO RX	PNP.FLYEGG130.NO RX	FLYEGG 7075 Aluminum frame	PART.FLYEGG7075 ALUMINUM FRAME
FLYEGG 130PNP XM	PNP.FLYEGG130.XM	OV231 Camera	CAM.OV231
FLYEGG 130PNP FM800	PNP.FLYEGG130.FM800	Q100(VTX)	VTX.Q100
FLYEGG 130PNP FS-RX2A	PNP.FLYEGG130.FS-RX2A	Universal motor black cover propection for 11 series motors	PART.11 COVER.BLACK
FLYEGG 130PNP DSM2	PNP.FLYEGG130.DSM2	2.8 inch black propeller protector (half surround)	PART.2.8 PROTERTOR HALF.BLACK
FLYEGG 100KIT	KIT.FLYEGG100	2.8 inch white propeller protector (half surround)	PART.2.3 PROTERTOR HALF.BLACK
FLYEGG 130KIT	KIT.FLYEGG130	Battery 7.4V 450mAh 80C	BAT.7.4V 450MAH 80C
1935 Prop	PROP.1935.3.WHITE	Battery 7.4V 550mAh 80C	BAT.7.4V 550MAH 80C
2840 Prop	PROP.2840.3.WHITE	Carbon fiber plate(FLYEGG130 part)	PART.BOTTOM PLATE.FLYEGG130 PART
Carbon fiber plate(FLYEGG100 part)	PART.BOTTOM PLATE.FLYEGG100 PART		

After sale service

1. Provide free reparation service when find the product defect after purchase.
2. Provide pay-needed reparation service when product damage because improper operation.
3. China customers please contact with the after-sales service, overseas client please contact the dealer.

PNP/RTF Test report

ID:

Flight test

- ☐ Transmitter functions properly
- ☐ Flying in good condition
- ☐ Camera OK
- ☐ VTX OK

QC: _____

Package check

- ☐ PNP ☐ RTF
- ☐ Frame ☐ Transmitter
- ☐ ID is the same
- ☐ All parts of the installation
- ☐ Insulating sleeves have been installed

Manual

- ☐ Complete accessories, total____ packages

QC: _____