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New

Instruction Manual



FLYEGG V2
FPVEGG V2

☐ FLYEGG100 V2 PNP ☐ FLYEGG 130 V2 PNP ☐ FPVEGG V2 PNP

☐ NO RX ☐ FM800 ☐ DSM2 ☐ RX2A PRO ☐ AC900(S-FHSS+D16)

Name	FLYEGG100 V2	FLYEGG130 V2	FPVEGG V2
Flytower20*20(V2)	F3+OSD FC+4in1 ESC 12A BLHeliS		
Receiver	FM800,RX2A PRO,DSM2,AC900(S-FHSS+D16)		
VTX	Q100(25mW/100mW 16CH)		
Input Voltage	2S		
Camera	OV231(800TVL 150° NTSC)		Micro Swift 1(2.1mm)
Weight (not include battery&receiver)	64.8g	77.1g	85g
Wheelbase	100mm	130mm	136mm
Motor	XT1103-7800KV	XT1104-7500KV	XT1104-7500KV
Battery	7.4V 450mAh 80C(JST)	7.4V 550mAh 80C(JST)	7.4V 550mAh 80C(JST)
Prop	1935	2345	2840

FLYEGG100 V2 Configuration



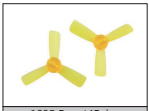
FLYEGG100 V2

Wheelbase：100mm
Flytower 20*20(V2)：
F3+OSD
4in1 12A BLheliS
VTX：Q100(25mW/100mW 16CH)
Camera：OV231(800TVL 150°)
Motor：XT1103-7800KV
Prop：1935
Battery：7.4V 450mAh 80C
Weight：64.8g(not include battery and receiver)
Receiver：AC900(S-FHSS+D16),FM800, RX2A PRO,DSM2

FLYEGG100 V2 Package List



PNP*1



1935 Prop*4Pairs (color random)



Protective cover*4



Battery*1



Unloading paddle*1



Rubber× 2



Motor protective seat*4

FLYEGG130 V2 Configuration

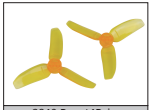


FLYEGG130 V2

Wheelbase：130mm
Flytower 20*20(V2)：
F3+OSD
4in1 12A BLheliS
VTX：Q100(25mW/100mW 16CH)
Camera：OV231(800TVL 150°)
Motor：XT1104-7500KV
Prop：2840
Battery：7.4V 550mAh 80C
Weight：77.1g(not include battery and receiver)
Receiver：AC900(S-FHSS+D16),FM800, RX2A PRO,DSM2

FLYEGG130 V2 Package List


PNP*1


2840 Prop*4Pairs (color random)


Protective cover*4


Battery*1


Unloading paddle*1


Rubber× 2


Motor protective seat*4

FPVEGG V2 Configuration



FPVEGG V2

Wheelbase：136mm

Flytower 20*20(V2)：

F3+OSD

4in1 12A BLheliS

VTX：Q100(25mW/100mW 16CH)

Camera：Micro Swift 1(2.1mm)

(600TVL CCD 160° NTSC)

Motor：XT1104-7500KV

Prop：2840

Battery：7.4V 550mAh 80C

Weight：85g(not include battery and receiver)

Receiver：AC900(S-FHSS+D16),FM800, RX2A PRO,DSM2

FPVEGG V2 Package List



PNP*1



2840 Prop*4Pairs (color random)



Protective cover*4



Battery*1



Unloading paddle*1

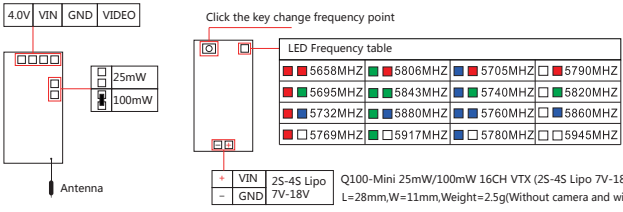


Rubber× 2



Motor protective seat*4

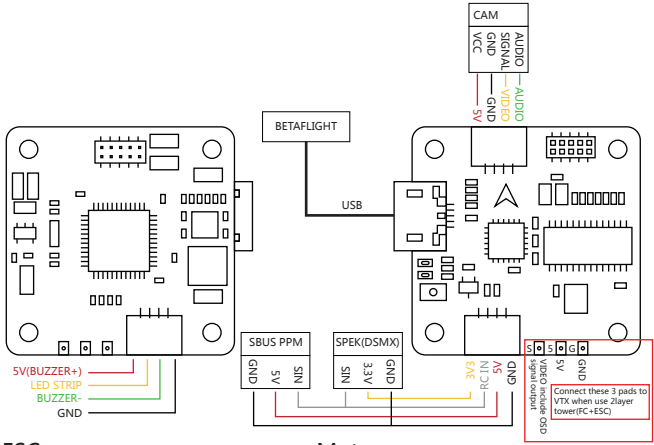
VTX



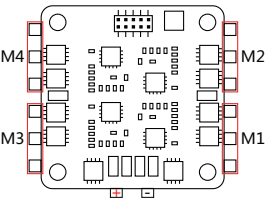
Q100-Mini 25mW/100mW 16CH VTX (2S-4S Lipo 7V-18V)
L=28mm,W=11mm,Weight=2.5g(Without camera and wire)

Please attention ventilation cooling

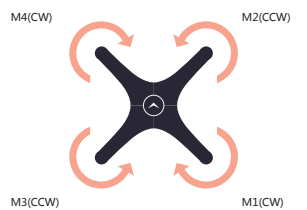
FC



ESC



Motor



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

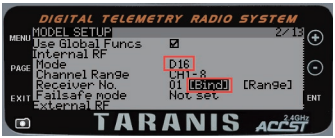
Receiver Bind

AC900(S-FHSS+D16) bind,transmitter(FRSKY X9D/Futaba T18SZ)

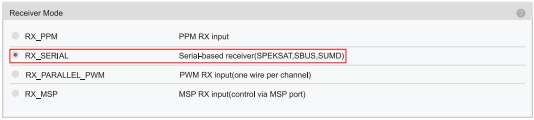
Bind:Check receiver mode before bind,the first blink after power on indicate the setting, ■is S-FHSS, ■is D16

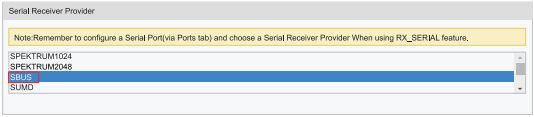
FUTABA S-FHSS BIND:Turn on the TX then power on AC900 while pressing the key, green LED fast blink meaning already in bind mode, user can release the key. Bind procedure is completed and the receiver is working normally when green LED is solid

FRSKY D16(NO Telemetry) BIND:Power on AC900 while pressing the key, green LED fast blink meaning already in bind mode, user can release the key, then set your TX into D16 bind mode. red LED solid meaning bind finished, exit TX from bind mode, receiver’ s green LED solid meaning working normally









RX2A PRO Bind(S.BUS),transmitter(FLYSKY FS-i6)

BIND:Power on the receiver while pressing the key,green LED fast blink meaning already in bind mode,user can release the key, then set your TX into bind mode.Green LED turn off and red LED solid mean bind finished,exit TX from bind mode,receiver’s green LED solid mean working normally.

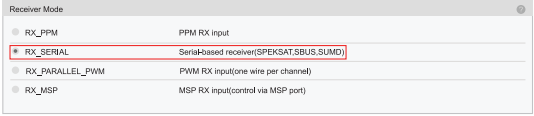
FAILSAFE:Support 2 failsafe mode,press the key and hold 3s while receiver working normally can switch failsafe mode.Please make sure failsafe is working correctly before use the receiver!
Failsafe mode 1: ■ After 1s when lost transmitter signal,S.BUS keep output,throttle will 988us,all other channels will 1500us.
Failsafe mode 2: ■After 1s when lost transmitter signal,S.BUS not output,user should setting related parameters to ensure flight controller handle failsafe.

STATUS LED ：LED of RX2A-PRO blink twice then solid when power on,the meaning as follow

First blink(air system)	Second blink(failsafe mode)	Then solid(signal status)
■ AFHDS2A air system	■ Failsafe mode 1	■ No signal
	■ Failsafe mode 2	■ Signal received







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

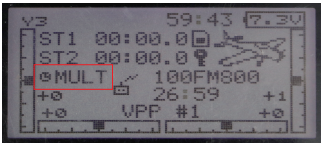
1. Open remote control, hold receiver bind button to power
2. Green light constant lighting means bind success

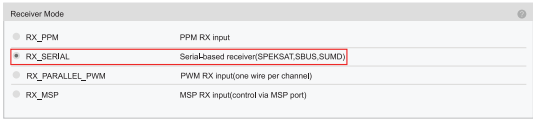
Note:

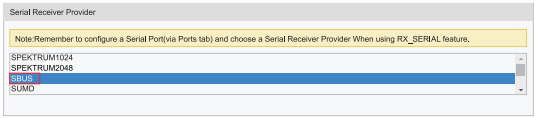
S.BUS and CPPM mode switch

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, 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

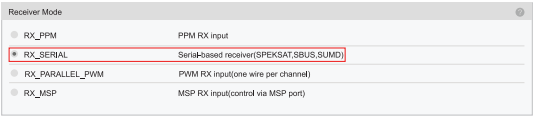
Note 1:

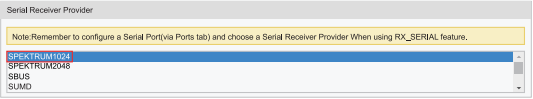
DSM2 uses SPEKTRUM1024 or SPEKTRUM2048 protocol, according to the remote control model to choose corresponding serial port protocol (example T-SIX, set protocol as SPEKTRUM1024)

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.





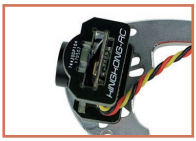


Camera

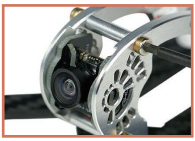
FLYEGG V2



1. Assemble the camera seat.



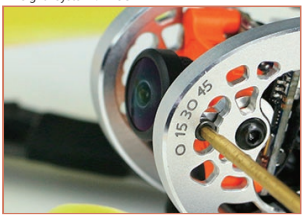
2. Determine angle.



3. Fixed camera.

FPVEGG V2

Camera : RunCam Micro Swift 1
Image Sensor : 1/3" SONY SUPER HAD 2 CCD
Signal System : NTSC



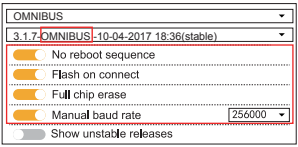
Custom camera angle

Firmware update

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

1.Open betaflight configuration 

,then click Firmware Flasher ,select FW version

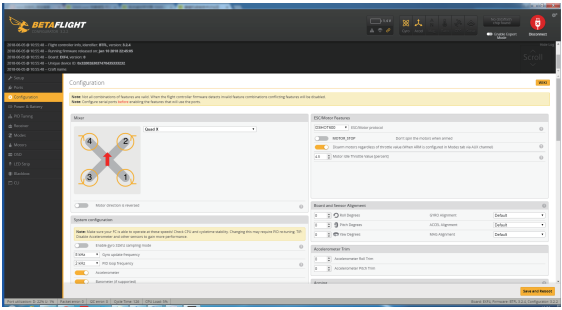


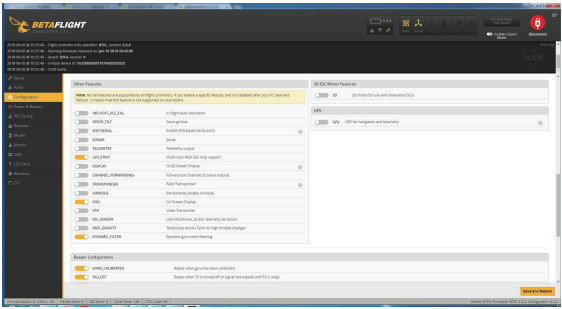
2.Click Load Firmware[Online] ,then click Flash Firmware to download FW to FC, click after FW updating finish into setting menu

3.Calibration "Calibrate Accelerometer"

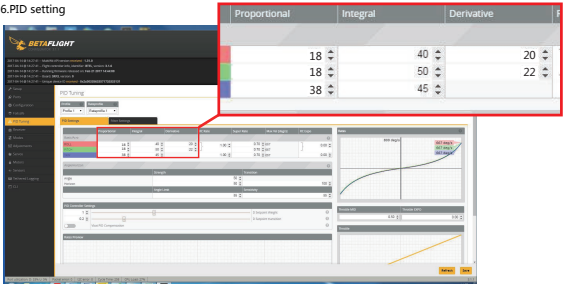
4.Selected UART3,then open "Serial RX" switch and saved

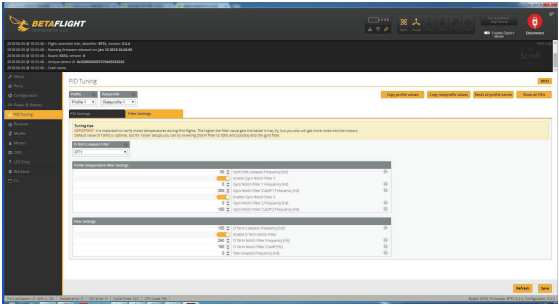
5.Configuration , select ESC protocol "DSHOT600" , Set up the receiver protocol , then openLED,OSD and DYNAMIC_FILTER



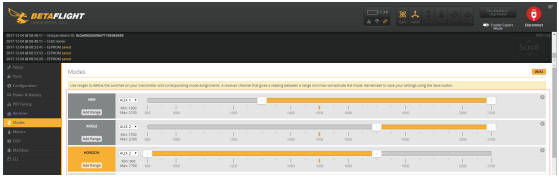


6.PID setting





7.Default setting of receiver is 5th channel ARM(AUX1),6th channel mode switching(AUX2)



Product and Factory Code

FLYEGG100 V2 Name	Factory Code
FLYEGG100 V2 PNP NO RX	PNP.FLYEGG100 V2.NO RX
FLYEGG100 V2 PNP AC900	PNP.FLYEGG100 V2.AC900
FLYEGG100 V2 PNP FM800	PNP.FLYEGG100 V2.FM800
FLYEGG100 V2 PNP RX2A PRO	PNP.FLYEGG100 V2.RX2A PRO
FLYEGG100 V2 PNP DSM2	PNP.FLYEGG100 V2.DSM2
FLYEGG100 KIT	KIT.FLYEGG100
Carbon fiber plate(FLYEGG100 Part)	PARTBOTTOM PLATE.FLYEGG100 PART

FLYEGG130 V2 Name	Factory Code
FLYEGG130 V2 PNP NO RX	PNP.FLYEGG130 V2.NO RX
FLYEGG130 V2 PNP AC900	PNP.FLYEGG130 V2.AC900
FLYEGG130 V2 PNP FM800	PNP.FLYEGG130 V2.FM800
FLYEGG130 V2 PNP RX2A PRO	PNP.FLYEGG130 V2.RX2A PRO
FLYEGG130 V2 PNP DSM2	PNP.FLYEGG130 V2.DSM2
FLYEGG130 KIT	KIT.FLYEGG130
Carbon fiber plate(FLYEGG130 Part)	PART.BOTTOM PLATE.FLYEGG130 PART

FPV EGG V2 Name	Factory Code
FPV EGG V2 PNP NO RX	PNP.FPV EGG V2.NO RX
FPV EGG V2 PNP AC900	PNP.FPV EGG V2.AC900
FPV EGG V2 PNP FM800	PNP.FPV EGG V2.FM800
FPV EGG V2 PNP RX2A PRO	PNP.FPV EGG V2.RX2A PRO
FPV EGG V2 PNP DSM2	PNP.FPV EGG V2.DSM2
FPV EGG KIT	KIT.FPV EGG
Carbon fiber plate(FPVEGG Part)	PART.BOTTOM PLATE.FPV EGG

Part Name	Factory Code
XT1103-7800KV	MOTOR.XT1103-7800KV
XT1104-7500KV	MOTOR.XT1104-7500KV
Flytower20*20(V2)	FLYTOWER.20*20(V2)
4in1 ESC 12A(KKTower Part)	ESC.KK TOWER 12A
F3+OSD飞控(V2)	FC.F3+OSD(FLYTOWER 20*20 V2)
OV231 Camera	CAM.OV231
Q100(VTX)	VTX.Q100
Universal motor black cover propection for 11 series motors	PART.11 COVER.BLACK
2.8 inch black propeller protector (half surround)	PART.2.8 PROTERTOR HALF.BLACK
2.3 inch black propeller protector (half surround)	PART.2.3 PROTERTOR HALF.BLACK
Battery 7.4V 450mAh 80C	BAT.7.4V 450MAH 80C
Battery 7.4V 550mAh 80C	BAT.7.4V 550MAH 80C
1935 Prop	PROP.1935.3.WHITE
2840 Prop	PROP.2840.3.WHITE
FLYEGG 7075 Aluminum frame	PART.FLYEGG7075 ALUMINUM FRAME
FPVEGG 7075 Aluminum frame	PART.FPV EGG 7075 ALUMINUM FRAME
Micro Swift 1	CAM.MICRO SWIFT 1

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: _____