



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

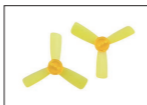
Weight : 64.8g(not include battery and receiver)

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

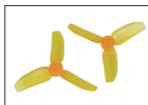
Weight : 77.1g(not include battery and receiver)

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)

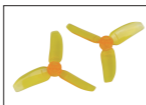
Receiver : AC900(S-FHSS+D16),FM800,
RX2A PRO,DSM2



FPVEGG V2 Package List



PNP*1



2840 Prop*4Pairs
(color random)



Protective cover*4



Battery*1



Unloading
paddle*1

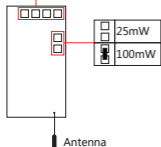


Rubber× 2



Motor protective
seat*4

VTX



Click the key change frequency point

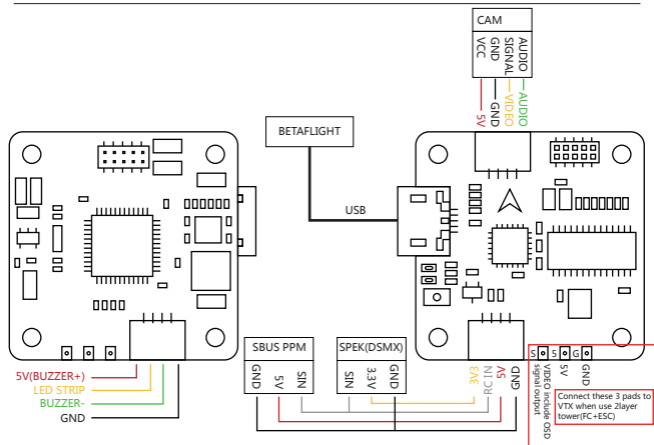
LED Frequency table			
■ 5658MHZ	■ 5806MHZ	■ 5705MHZ	■ 5790MHZ
■ 5695MHZ	■ 5843MHZ	■ 5740MHZ	■ 5820MHZ
■ 5732MHZ	■ 5880MHZ	■ 5760MHZ	■ 5860MHZ
■ 5769MHZ	■ 5917MHZ	■ 5780MHZ	■ 5945MHZ

+	VIN	2S-4S Lipo
-	GND	7V-18V

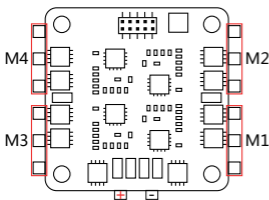
Q100-Mini 25mW/100mW 16CH VTX (2S-4S Lipo 7V-18V)
L=28mm,W=11mm,Weight=2.5g(Without camera and wire)

Please attention ventilation cooling

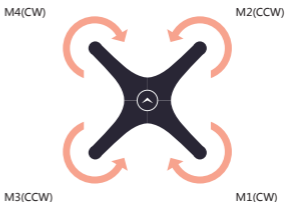
FC



ESC



Motor



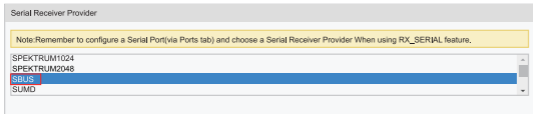
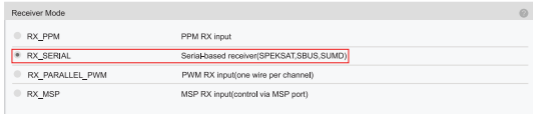
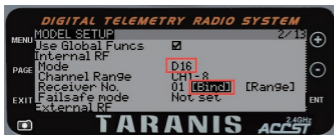
Note: Pay attention to the direction of rotation of the motor when installing the prop

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)

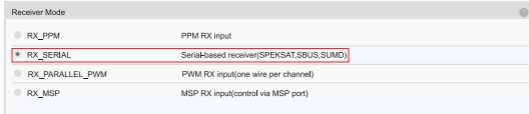
BIND:Power on the receiver while pressing the key,green LED fast blink meaning already in bind mode,user can release the key, then set your TX into bind mode.Green LED turn off and red LED solid mean bind finished,exit TX from bind mode,receiver's green LED solid mean working normally.

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.
Failsaft 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)

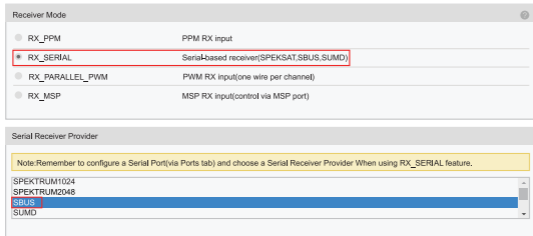
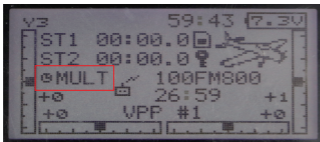
1. Open remote control, hold receiver bind button to power
2. Green light constant lighting means bind success

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:

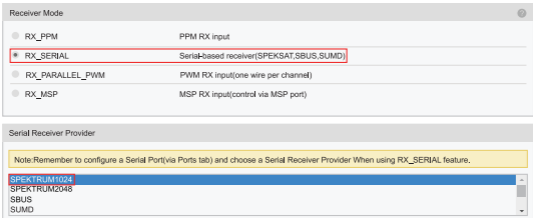
DSM2 uses SPEKTRUM1024 or SPEKTRUM2048 protocol, according to the remote control model to choose corresponding serial port protocol (example T-SIX, set protocol as SPEKTRUM1024)

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.

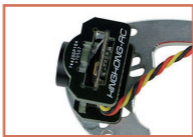


Camera

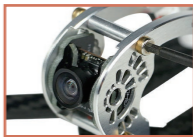
FLYEgg V2



1. Assemble the camera seat.



2. Determine angle.



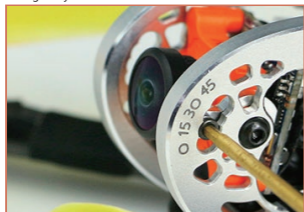
3. Fixed camera.

FPVEgg V2

Camera : RunCam Micro Swift 1

Image Sensor : 1/3" SONY SUPER HAD 2 CCD

Signal System : NTSC

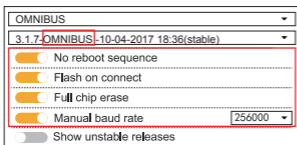





Custom camera angle

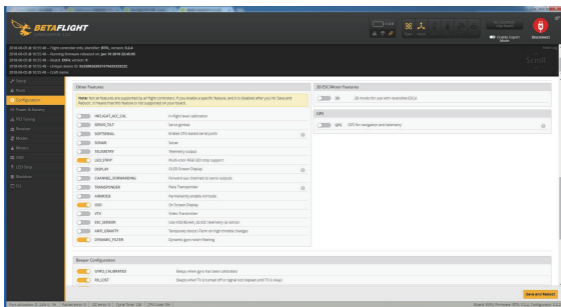
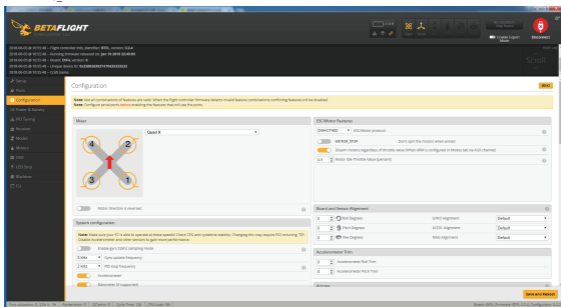
Firmware update

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

1. Open betafight configuration , then click , select FW version



2. Click , then click  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 open LED, OSD and DYNAMIC_FILTER



6. PID setting

The screenshot shows the Betaflight PID Tuning interface. A red box highlights the PID values table:

	Proportional	Integral	Derivative
Roll	18	40	20
Pitch	18	50	22
Yaw	38	45	

Below the table, there are sections for 'Spring Rate' and 'PID Controller Settings' with various sliders and checkboxes. A graph on the right shows the response of the PID controller over time.

The screenshot shows the Betaflight PID Tuning interface, specifically the 'Spring Rate' section. It includes a warning: 'WARNING: It is important to verify motor temperatures during PID tuning. The higher the filter value the harder it may be to tune and you will get more noise in the motors. Default values of 100% is optimal. Do not lower it until you can't do anything more to tune and possibly use the graph filter.' Below this, there are two sections: 'Motor Independent Filter Settings' and 'Filter Settings', each with a list of checkboxes for different filter types and frequencies.

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

The screenshot shows the Betaflight Modes configuration interface. It displays the 'Modes' section with a table of channel assignments for different modes:

Mode	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
ARM	4	5	6	7	8	9	10	11
MODE	4	5	6	7	8	9	10	11

The interface includes sliders for channel assignments and a 'Use larger' button to define the switch on your transmitter and corresponding mode assignment.

Product and Factory Code

FLYEGG100 V2 Name	Factory Code	Part Name	Factory Code
FLYEGG100 V2 PNP NO RX	PNPFLYEGG100 V2.NO RX	XT1103-7800KV	MOTOR.XT1103-7800KV
FLYEGG100 V2 PNP AC900	PNPFLYEGG100 V2.AC900	XT1104-7500KV	MOTOR.XT1104-7500KV
FLYEGG100 V2 PNP FM800	PNPFLYEGG100 V2.FM800	Flytower20*20(V2)	FLYTOWER.20*20(V2)
FLYEGG100 V2 PNP RX2A PRO	PNPFLYEGG100 V2.RX2A PRO	4in1 ESC 12A(KKTower Part)	ESC.KK TOWER 12A
FLYEGG100 V2 PNP DSM2	PNPFLYEGG100 V2.DSM2	F3+OSD飞控(V2)	FC.F3+OSD(FLYTOWER 20*20 V2)
FLYEGG100 KIT	KIT.FLYEGG100	OV231 Camera	CAM.OV231
Carbon fiber plate(FLYEGG100 Part)	PARTBOTTOM PLATEFLYEGG100 PART	Q100(VTX)	VTX.Q100
FLYEGG130 V2 Name	Factory Code	Universal motor black cover protection for 11 series motors	PART.11 COVER.BLACK
FLYEGG130 V2 PNP NO RX	PNPFLYEGG130 V2.NO RX	2.8 inch black propeller protector (half surround)	PART.2.8 PROTERTOR HALF.BLACK
FLYEGG130 V2 PNP AC900	PNPFLYEGG130 V2.AC900	2.3 inch black propeller protector (half surround)	PART.2.3 PROTERTOR HALF.BLACK
FLYEGG130 V2 PNP FM800	PNPFLYEGG130 V2.FM800	Battery 7.4V 450mAh 80C	BAT.7.4V 450MAH 80C
FLYEGG130 V2 PNP RX2A PRO	PNPFLYEGG130 V2.RX2A PRO	Battery 7.4V 550mAh 80C	BAT.7.4V 550MAH 80C
FLYEGG130 V2 PNP DSM2	PNPFLYEGG130 V2.DSM2	1935 Prop	PROP.1935.3.WHITE
FLYEGG130 KIT	KIT.FLYEGG130	2840 Prop	PROP.2840.3.WHITE
Carbon fiber plate(FLYEGG130 Part)	PARTBOTTOM PLATE.FLYEGG130 PART	FLYEGG 7075 Aluminum frame	PART.FLYEGG7075 ALUMINUM FRAME
FPV EGG V2 Name	Factory Code	FPVEGG 7075 Aluminum frame	PART.FPV EGG 7075 ALUMINUM FRAME
FPV EGG V2 PNP NO RX	PNPFPV EGG V2.NO RX	Micro Swift 1	CAM.MICRO SWIFT 1
FPV EGG V2 PNP AC900	PNPFPV EGG V2.AC900		
FPV EGG V2 PNP FM800	PNPFPV EGG V2.FM800		
FPV EGG V2 PNP RX2A PRO	PNPFPV EGG V2.RX2A PRO		
FPV EGG V2 PNP DSM2	PNPFPV EGG V2.DSM2		
FPV EGG KIT	KIT.FPV EGG		
Carbon fiber plate(FPV EGG Part)	PART.BOTTOM PLATE.FPV EGG		

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: _____