



FPVEGG PRO

Instruction Manual



Feature

- * FPVEGG PRO used CCD600 camera(1/3 SONY CCD)
- * The structure uses 4.0mm thick carbon fiber and 7075 aviation aluminum alloy material, light weight, high strength.
- * Product performance and wheelbase for indoor through the special design.
- * BLheliS 4in1 20A ESC ,support MULTISHOT,ONESHOT and DSHOT provides a better user experience.
- * Modular design, KK TOWER FC(F4+OSD), with the betaflight firmware.

FPVEGG PRO Configuration //



FPVEGG PRO(with buzzer and LED)

Wheelbase:138mm

Input voltage:3~4S Lipo

KK TOWER(2 Layer) 20*20:

F4+OSD

4in1 20A BLheliS

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

Camera:CCD600 (600TVL CCD 160° NTSC)

Motor:XT1406-3600KV

Prop:3050

Battery:11.1V 850mAh 45C

Weight:129.5g(without receiver and battery)

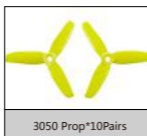
The package includes 3S lipo,If you want to fly more powerful, you need buy 4S lipo (650-850mAh) on your own.

The package not includes receiver,you need buy high quality receiver(S.BUS/PPM/DSM2) on your own.

FPVEGG PRO Package list //



PNP*1



3050 Prop*10Pairs



Battery*1



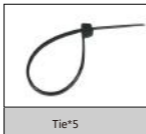
Instruction manual*1



Rubber*2



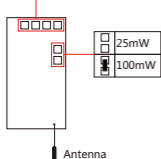
mackintosh*4



Tie*5

VTX ////

4.0V	VIN	GND	VIDEO
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Click the key change frequency point

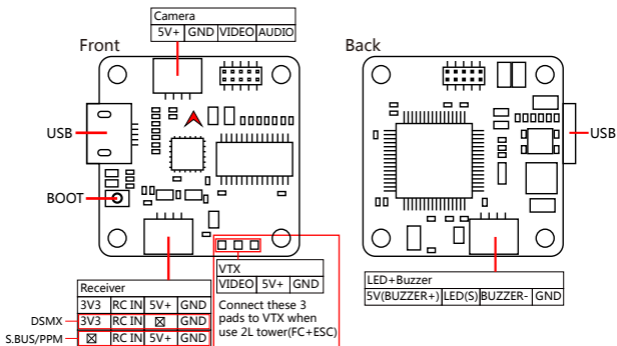
LED Frequency table			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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+	VIN	2S-4S Lipo
-	GND	7V-18V

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

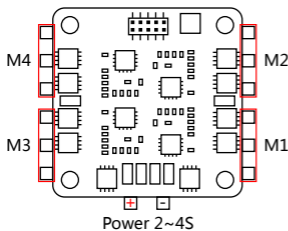
Please attention ventilation cooling

FC ////



ESC ////

Motor ////



M4(CW)

M2(CCW)



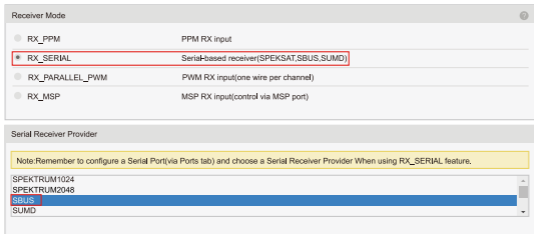
M3(CCW)

M1(CW)

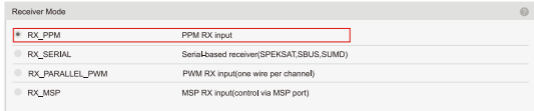
Note:pay attention to the direction of rotation of the motor when installing the prop

XM Receiver example**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 Receiver example****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:

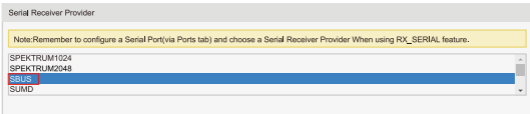
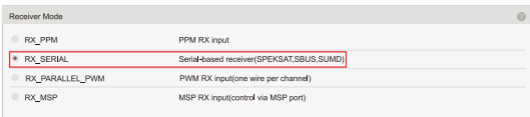
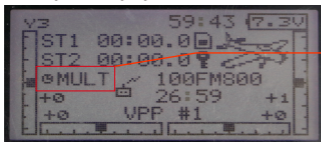
1. Remote control and receiver switch output mode under normal communication, long press bind button 2S to SBUS mode
2. Indicator light quick flashing twice and then put out 1S means success switch to SBUS mode

FM800 Receiver example



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

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



S.BUS mode to PPM mode

Note:

- Close remote control, press bind button 6S when red light flash, loosen until enter S,BUS and PPM 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

DSM2 Receiver example

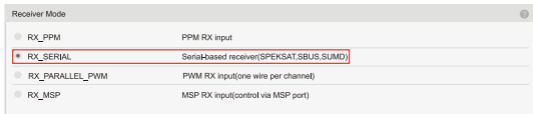


DSM bind, example (T-SIX)

1. Remote control in off state, **hold** on the 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

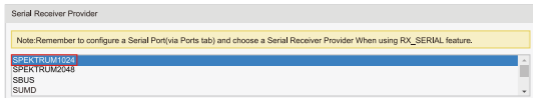
Note 2:

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.



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)



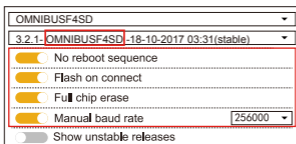
Product and Part code /////

Name	Factory Code	Name	Factory Code
FPVEGG PRO PNP	PNP.FPVEGG PRO	XT1406-3600KV	MOTOR.XT1406-3600KV
FPVEGG PRO KIT	KIT.FPVEGG PRO	KK TOWER(2 LAYER) 20A	FLYTOWER.KK TOWER(2 LAYER) 20A
3050 Prop	PROP.3050.3	KK TOWER ESC(20A)	ESC.KK TOWER 20A
Battery 11.1V 850mAh 45C	BAT.11.1V 850MAH 45C	KK TOWER FC(F4+OSD)	FC.KK TOWER(F4+OSD)
Carbon fiber plate(FPVEGG PRO part)	PART.BOTTOM PLATE.FPVEGG PRO	FPV EGG 7075 Aluminum frame	PART.FPV EGG 7075 ALUMINUM FRAME
Q100 VTX	VTX.Q100	CCD600 Camera	CAM.CCD600
PLASTIC CARRYING CASE	PART.PLASTIC CARRYING CASE	KK TOWER SCREW(2 LAYER)	PART.KK TOWER SCREW(2 LAYER)
KK TOWER WIRE	PART.KK TOWER WIRE		



Firmware update////

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

- 1.Open betafight configurator , then click  ,select FW version

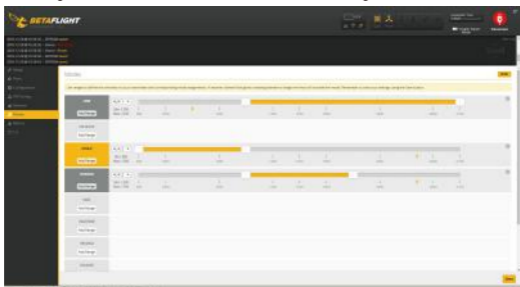


- 2.Click  , then click  to download FW to FC, click  after FW updating finish into settings menu.

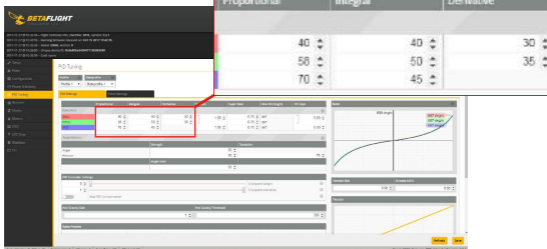
- 3.Setting,select  **Configuration** , select ESC/Motor Feature,then select DSHT600 , then open  (LED_STRIP OSD,DYNAMIC_FILTER).

- 4.Buzzer setting,select  **Configuration** , then open  VBAT

- 5.Default setting of receiver is 5th channel ARM,6th channel mode switching.



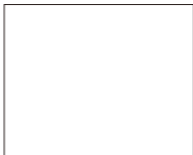
- 6.PID Default setting



	Proportional	Integral	Derivative
X	40	40	30
Y	58	50	35
Z	70	45	

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: _____