FB400 FLYBALL MANUAL

The company will not be responsible for any changes in the product, nor can we actively inform consumers of any updates or changes. If there is any change in the material, specification or contents of package, please refer to LDARC.COM

This product is suitable for people aged 14 and above.

Quick start

First flight preparation

- Check package contents and version

- Install outer frame and props

- Bind your transmitter

- Check the neutral position of the remote control

- Begin charging the flight battery （Bring your own battery and charger）

- Install the flight battery

- Familiarize yourself with the controls

Flying checklist

- Always turn the transmitter on first

- Plug the flight battery

- Allow the drone to initialize and arm properly

- Fly the model

- Land the model

- Unplug the flight battery

- Always turn the transmitter off last

Configuration：FB400 PNP，FB4000 RTF，FB400NZ RTF

FB400 PNP/RTF	**Parameter Configuration**	FB400NZ RTF
225mm	Wheelbase	225mm
400mm	Outer diameter	400mm
11.1-15.2V	Input voltage	11.1-15.2V
4mm/2.5mm	Carbon	4mm/2.5mm
657g	Weight	750g
HKF4530D	FC	DJI Naza-m Lite
HK8B45A	ESC	FLYCOLOR Raptor SLIM 40A
MISS 22038-2300KV	Motor	MISS 22038-2300KV
LED+2CH smart controller	LED	LED+2CH smart controller
GF51499-3blades	Prop	GF51499-3blades
NO transmitter/EX8	Transmitter	EX8

Quick get start

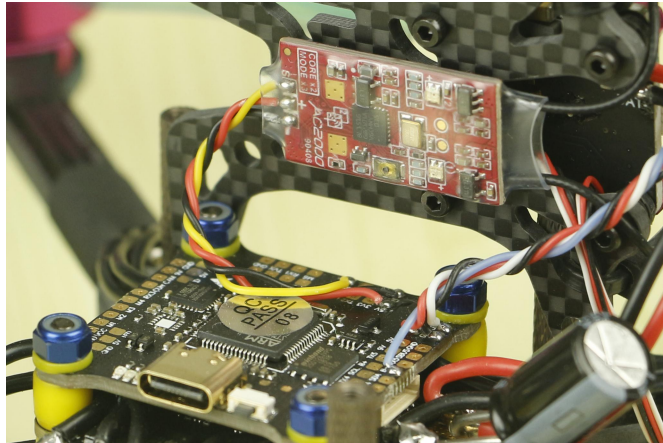FB400 PNP：FB400（electronic+frame）*1，Outer frame*4 bags，prop*2 bags

FB400 RTF：FB400（electronic+frame）*1，Outer frame*4 bags，prop*2 bags，transmitter*1

FB400NZ RTF：FB400NZ (electronic+frame) *1，Outer frame*4 bags，prop*2 bags，transmitter*1

Remarks: Some outer frame and propeller have been installed before shipped

FB400 PNP Receiver（AC2000）：Yellow is the S.BUS signal wire, red is 5V, and black is GND；And set it correctly in INAV。

FB400 RTF Unlock/Lock：SWA unlock，can fly；SWA locked，no flying；SWB switch to turn on or off pressure setting.

SWB Altitude holding by air pressure

SWA unlock/lock

ON/Off

Self-stable

Altitude holding by air pressure

Unlock

Lock
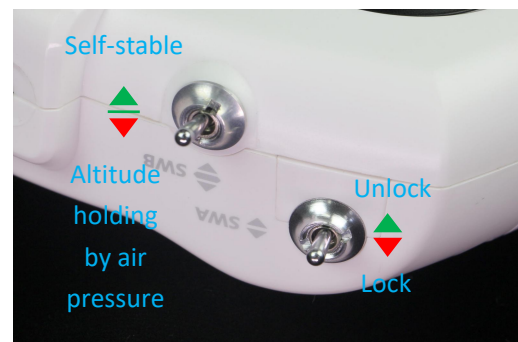
FB400 PNP/ RTF Check the neutral position of the remote control

Connect the INAV software, enter the receiver option, check the neutral position 1500 of the remote lever and the switch channel, please refer to the instructions of the remote control for adjustment.
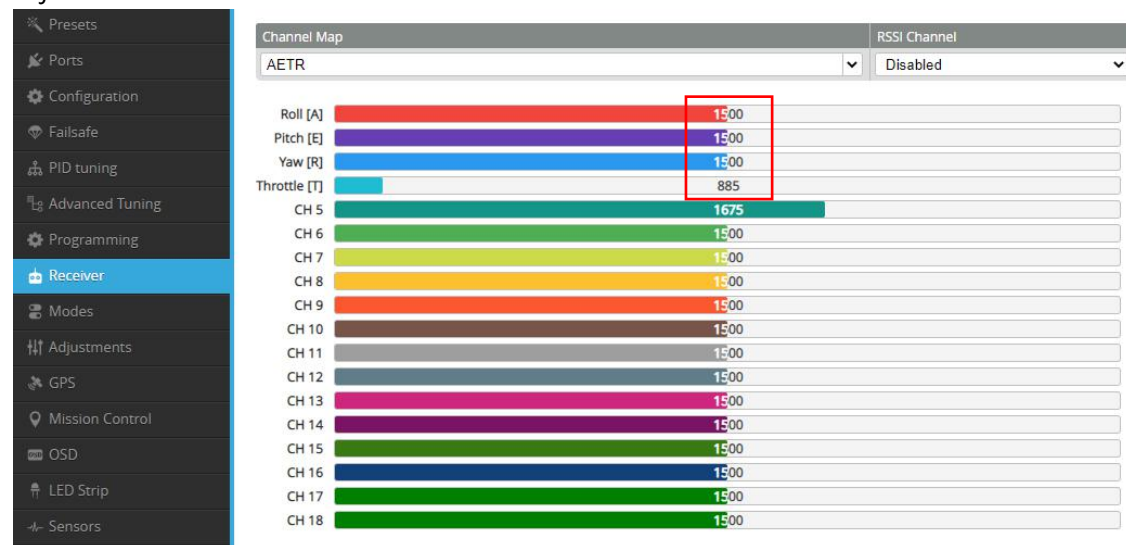
FB400NZ RTF start and stop motor：

Start Motor: Pushing throttle stick before takeoff will not start the motors. You have to execute any one of following four Combination Stick Commands (CSC) to start the motors.
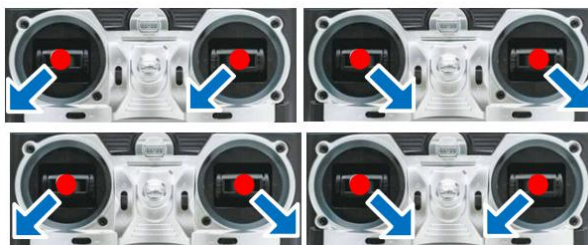

Stop motor：

- Immediately Mode: If you select this mode, in any control mode, once motors start and throttle stick is over 10%, motors will not stop immediately only when throttle stick is back under 10% the motors will stop. In this case, if you push the throttle stick over 10% within 5 seconds after motors stop, motors will re-start, CSC is not needed. If you don't push throttle stick after motors start in three seconds, motors will stop automatically.

- Intelligent Mode: By using this mode, different control mode has different way of stopping motors. In Manual Mode, only executing CSC can stop motors. In Atti Mode or GPS Atti. Mode, any one of following four cases will stop motors:

  a) You don't push throttle stick after motors start within three seconds;

b) Executing CSC;

c) Throttle stick under 10%, and after landing for more than 3 seconds.

d) If the angle of multi-rotor is over 70°, and throttle stick under 10%.

FB400NZ RTF Sticks Calibration
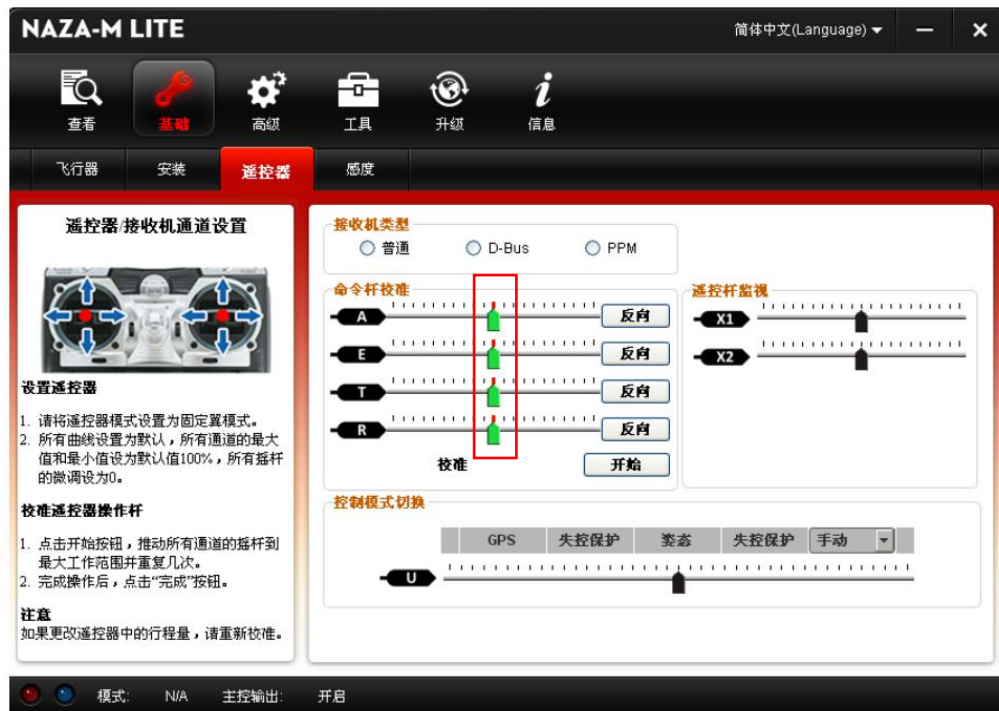
■ Set endpoints of all channels to default values (100%) and set all trims and sub-trims of sticks to 0 on your transmitter first. Keep all curves' settings as default since the end-point of transmitter sticks will be recorded here.

■ Click the START button, and move all of the sticks throughout their complete range several times.

■ After you do this, click the FINISH button when you have finished the above procedures.

■ If the slides are moving opposite from your stick movements direction, click the reverse button REV/NORM beside.

Notices：

- All slides should become when all the sticks are in the middle positions. If slides cannot go back to center points (become), just click FINISH, then slides will be at center automatically. If still not, please reboot MC, and do not apply TX command during the reboot.
- CSC may not start motors If trims and sub-trims of sticks are not 0!

**FB400NZ RTF Modes**: For SWC 3-position switch, Manual Mode; Atti. Mode; GPS Atti. Mode;
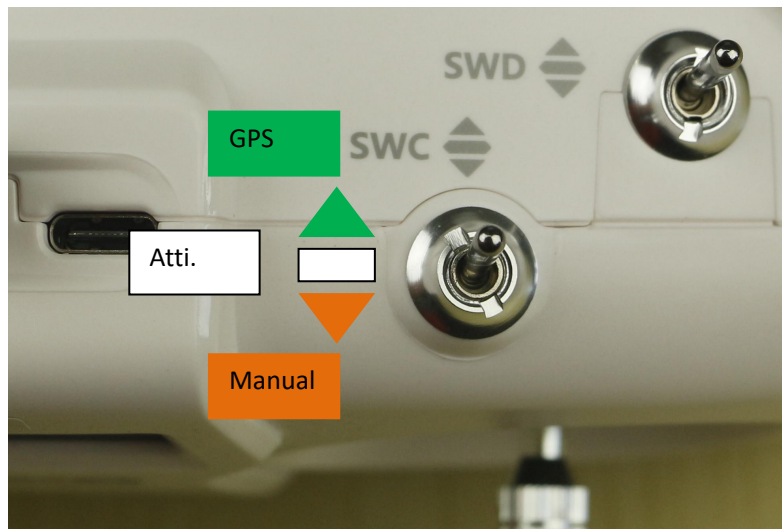

LED controlling system：

- Click the K1 button to switch colors of circle lights（white, green, yellow, orange, red, blue, pink, cyan, extinguished）
- long press K1 button for 3 seconds to switch effect of circle light：Normally on,Breathing,Flow,Flash fast,Interval blinks,Blink at alternate intervals
- Taillights Click the K2 button to switch colors（white, green, yellow, orange, red, blue, pink, cyan, extinguished)
- Taillight long press K2 button 3 seconds toggle effects：Normally on,Breathing,Flow,Flash fast
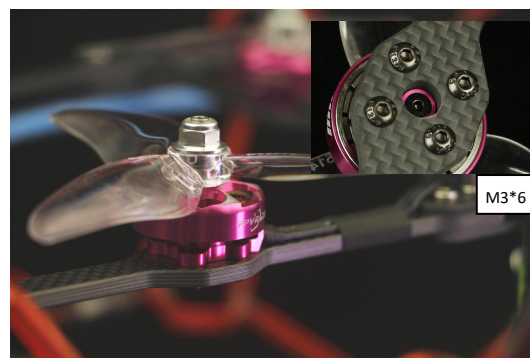- The symbol "O" indicates the ring light LED1, and the symbol "I" indicates the taillight LED2.
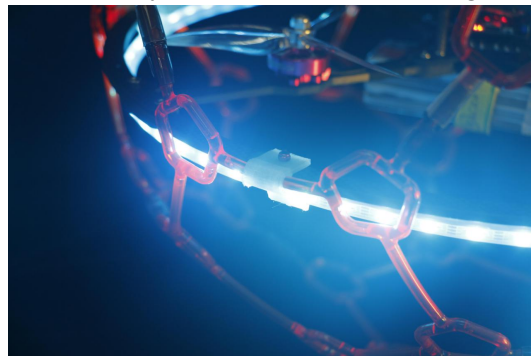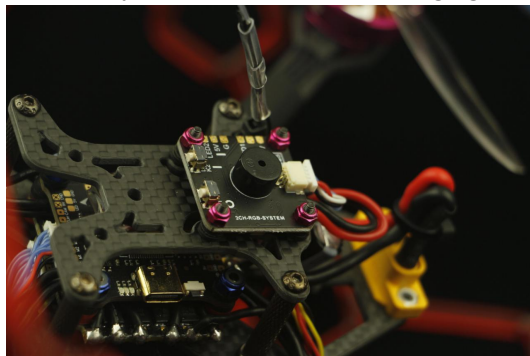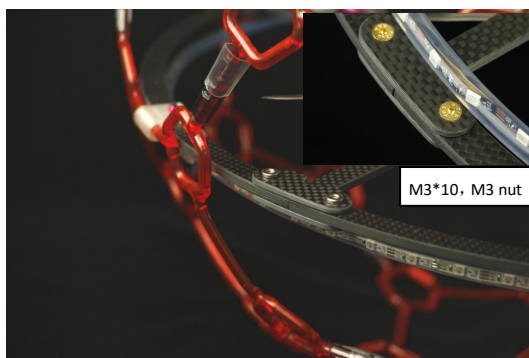
Outer frame mounting： Put on the heat shrink tube before connecting, then insert the plug, and finally shrink the heat shrink tube
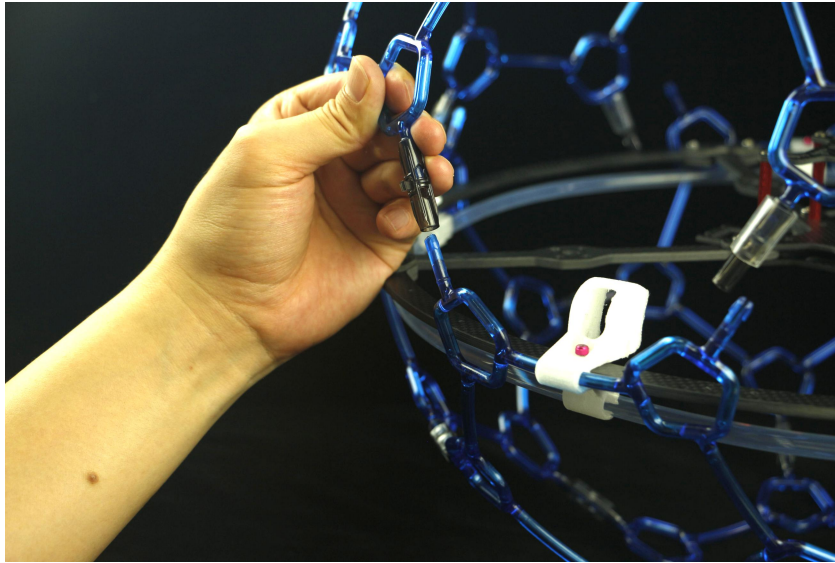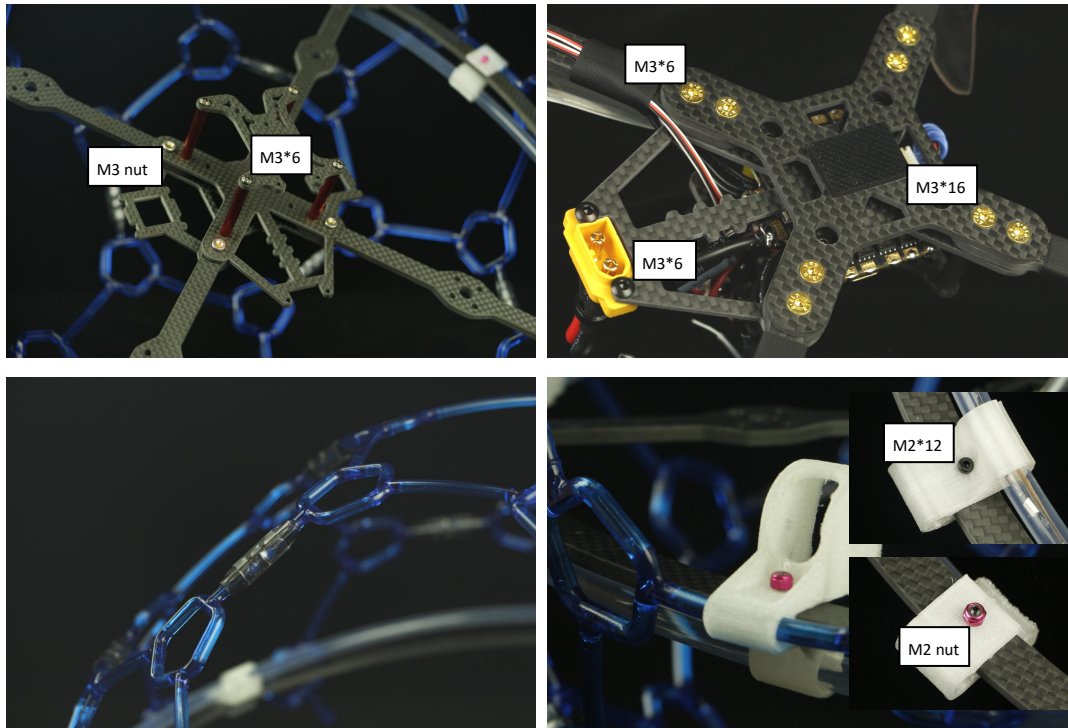

Mounting propeller

M4(CW)   M2(CCW)

M3(CCW)   M1(CW)
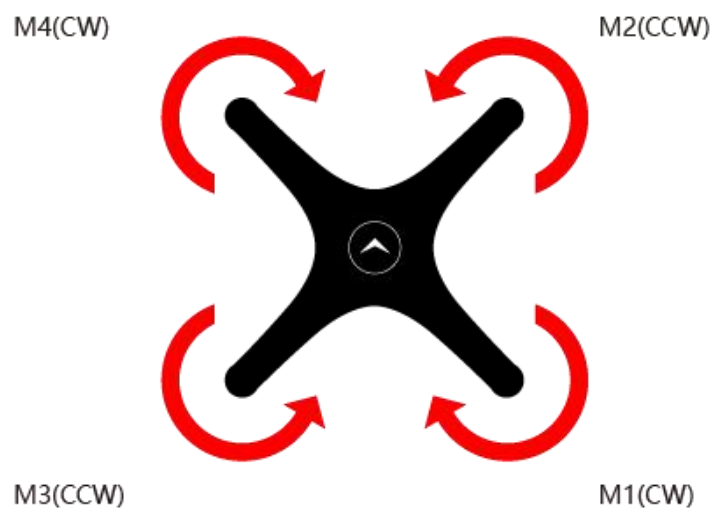
Other parts of the installation

M3*10，M3 nut

M3*6

Product and factory code

Name	Code
FB400 PNP	L01 0025
FB400 RTF MODE2	L01 0026
FB400NZ RTF MODE2	L01 0027
FB400 KIT	L02 0007
FPV parts	L03 0011
FB400 outer frame parts（clear red)	L05 0019
FB400 outer frame parts（clear blue)	L05 0020
11.1V 2600mAh 35C battery	L06 0003
A400 charger	L06 0004
GF51499-3blades	6936572273709

PNP/RTF version factory inspection report

Flight Test Check List

- The transmitter functions normally
- Test flight in good condition
- Camera definition is good
- VTX quality is good

Packing report

- PNP
- RTF
- Air frame
- Transmitter
- Air frame matches the transmitter ID
- Air frame parts are fully installed
- Heat shrinkable tube encapsulated in place
- User Manual
- Complete accessories package, total_____package
- Packer:_____

After-sales service

　　When customer receives the goods and finds the product not working properly, please return for inspection. If we find it is product quality issue, repair services will be provided free of charge For product damage caused by improper operation, a paid repair service will be provided if confirmed repairable.Domestic customers please contact the after-sales service team, overseas customers please contact the dealer.