

User Guide

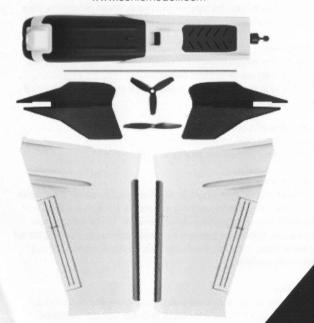
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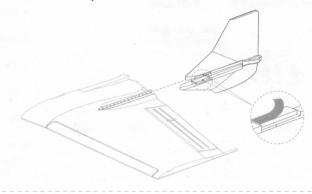


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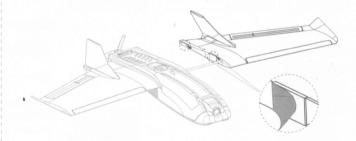
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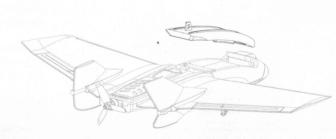


1. Attach the vertical fins with the provided double-side tape.

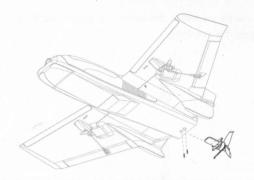


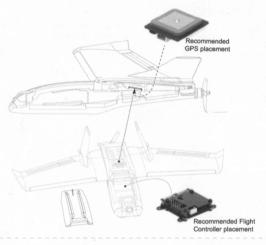
2. Secure the wings with the provided double-side tape. Remember to first run the main spar through the fuselage.









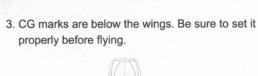


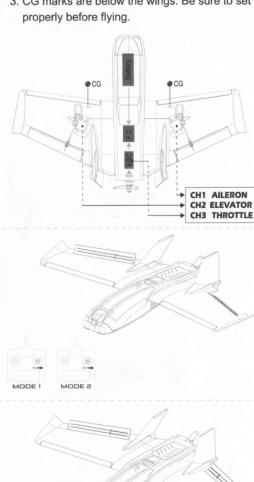


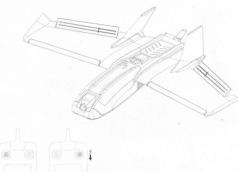
KIT Includes only airframe. (Motor, ESC, Servos, Propeller, ZOHD VC400 Camera, ZOHD Kopilot Lite, Battery, Radio controller, Charger are not included.)

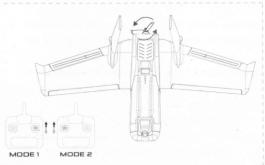
> PNP Includes Motor, ESC, Servos, Propeller. (ZOHD VC400 Camera, ZOHD KOPILOT, VTX, Battery, Radio controller, Charger are not included.)

> > FPV READY Includes Motor, ESC, Servos, Propeller, ZOHD VC400 Camera, ZOHD Kopilot Lite. (Battery, Radio controller, Charger are not included.)





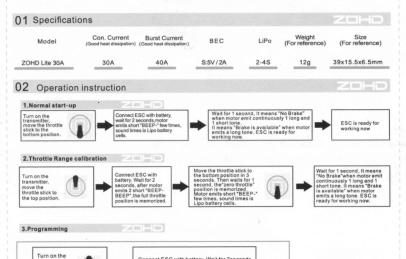








Lite SERIES



Connect ESC with battery. Wait for 2seconds, motor emits 2 short "BEEP-BEEP". Then still

wait for 5 seconds, motor emits special tone

move the throttle stick to ">12321",it has entered programming mode. the top position. Select Items ing mode, you will hear groups tone which emits in a loop as fol 212321 Brake 2 Battery type Beep-Beep 3 Cutoff voltage Beep-Beep-Beep 3short Usually,1 long tone "Beeeep--" equals t 5 short tone"beep-" Timing Beep-Beep-Beep-Beep 5 Startup mode Beeeepfor example: 1 long tone Beeep-- and short tone "beep- equals to 6. PWM frequency 1long&1short Beeeep--Bee Voltage cutoff option 1long&2short Beeeep--Beep-Beep 1long&3short Beeeep--Beep--Beep--Beep 8 Battery cells 9 Restore factory defaule | 1long&4short | Beeeep--Beep-Beep-Beep-Beep 10 Exit Веееер--Веееер

Exit" tone. ove throttle to the ero position in 3 econds, then mot mits special tone >765765°, it will exit the programm

Item parameter

transmitter.

After motor emits a Item tone , move the throttle to the zero throttle position then will enters this emits the parameter please see the table Move throttle stick to the top position after a certain tone that the parameter you want, the parameter is selected, then notor emits special tone ")1212", this parameter will

be stored. Just wait If you still want select other item, it will go back to the Level 1 menu to select item, the operate method is the same

Prompt tone	1 1short	2 2short	3 3short	4 4short	5 1long	6 1long& 1short	7 1long& 2short	8 1long& 3short
2.Battery type	Lipo	NiCb/NiMh						
3.Cutoff voltage	2.8V	3.0V	3.2V					
4.Timing	0°	3.75°	7.5°	11.25°	15*	18.75°	22.5°	26.25°
5.Startup mode	Normal	Soft	Very Soft					
6.PWM frequency	12KHz	8KHz						
7.Voltage cutoff option	Reduce	Cut off						
8.Battery cells	Auto	28	35	48				

f don't want select other parameter. move throttle to the zero position in 3 seconds, then moto mits special tone 765765", it will exit the programm

03 Programming parameter

1.Brake: [1]NO(default) [2]Soft [3]Heavy [4]Very heavy

2. Battery type: [1] LiPo(default) [2] NiCb/NiMh

3. Cutoff voltage: Low-voltage protection threshold, [1] Low [2) Medium (default) [3] HighFor Ni-xx battery packs: Low/Medium/High cut off voltage is 50%/65%/75% of the battery packs initial voltage For LiPo battery: can count battery cells automatic. Low voltage protection threshold :Low (2.8V) /Medium (3.0V) /High(3.2V) .Eg:For 4S/14.8V Lipo battery packs, low voltage protection threshold is 11.2V low/12.0V medium /12.8V high

4. Timing:

[1]0" [2]3.75" [3]7.5" [4]11.25" [5]15 (default) [6]18.75 [7]22.5" [8]26.25 Low (013.759/ 11.259/15 / 18.759) -- for most inner rotor motors hail(22.5/26.25) -- For 6 poles or higher poles outer rotor motors as usual 15 applies to all the outer rotor motors, but for improving efficiency recommend that set low timing for 2 poles motor(most inner rotor motors), set high timing for 6 poles and high poles motors(most outer rotor motors). If need high speed motor, you can set high timing. Some motors should set special timing, if not sure, you'd better to set timing as motor manufacturer recommended ,or set 150.Note: After changing timing, please test on the ground before flying

5. Startup Mode: Start up with linear acceleration

[1] Normal: No latency from 0% throttle to 100% throttle. (default)

[2] Soft: It takes 6 seconds from 0% throttle to 100% throttle.

[3] Very soft: It takes 12 seconds from 0% throttle to 100% throttle.

6. PWM frequency: [1]12KHz (default) [2]8KHz

For high poles and high speed motors, the higher PWM frequency can make motor drive smoothly, but the higher PWM frequency will make ESC hotter.

7. Voltage cutoff option:

[1] Reduce cutoff(default): the voltage drops to the set low-voltage protection threshold. ESC will reduce the power then cut offthe motor output

[2] Cut off: the voltage drops to the set low-voltage protection threshold, ESC will cut off the motor output immediately.

8.Battery cells: Available for Lipo battery only.

[1] Automatic judgment(default) [2]2S [3]3S [4]4S

You also can select the options according to your battery cells.

9. Restore default settings

When the beeping indicates the mode of "Restore default settings", move the throttle stick to zero position in 5 seconds after thes beeping can activate the mode. There is no sub-menu under this mode, the motor makes indication tones of" 12321" which means default settings are restored. At this time if moving the throttle stick to top position.ESC will enter programming mode again, if keeping the throttle stick to bottom position.ESC will enter the first programming Item(Brake).

10.Exit program mode

After a sound "Beep-", move throttle stick to the bottom position, enters the item of exit program mode, motor emits sound "765765" the same time, it represents ESC enters normal operation mode.