NANO TALON EVO

User Guide

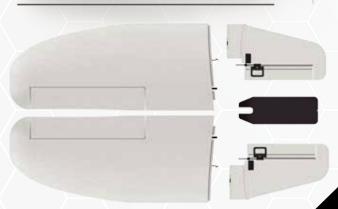
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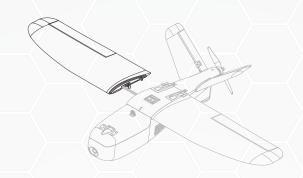


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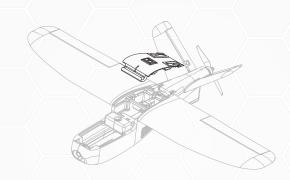




1. After running the main spar through the fuselage, attach the main wings



3. Install the middle hatch



5. Lock the battery hatch twisting the peg



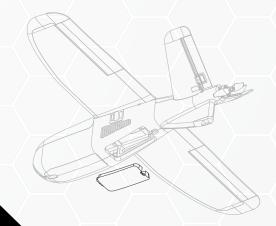
2. Install both fins for the V-tail. Be sure the screws that hold the plastic part of the hinge are looking up



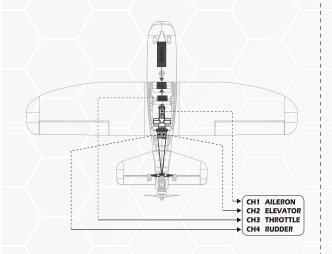
4. Install the battery hatch

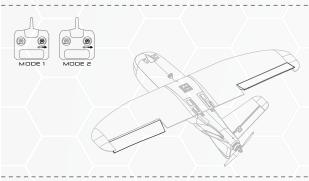


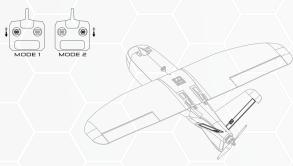
6. Install the bottom hatch

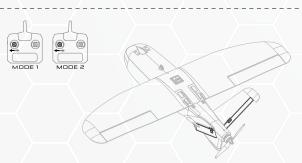








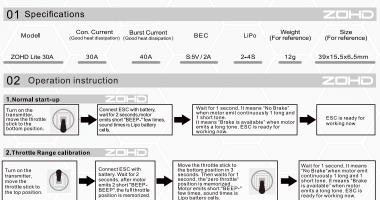








Lite SERIES



Turn on the 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 After entering programming mode, you will hear groups tone which emits in a loop as following sequence.

ZOHD

J12321 Brake 2 Battery type 2short 3 Cutoff voltage 3short Beep-Beep-Beep Isually 1 long ton 4 Timing Beep-Beep-Beep-Beep "Beeeep-" equals to short tone "beeep-" for example:1 long tone "Beeep-" and short tone "beep-" equals to 6. 5 Startup mode llona 6 PWM frequency 1long&1short Beeeep--Beep 7 Voltage cutoff option 1long&2short Beeeep--Beep-Be Beeeep--Beep-Beep--Beep 8 Battery cells 1long&3short 9 Restore factory defaule 1long&4short Beeeep--Beep-Beep-Beep-Beep Beesep--Beesen 2long





below)

Move throttle stick to the top position after a certain tone that the parameter you vant, 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	1	2	3	4	5	6	7	8
Iterm	1short	2short	3short	4short	1long	1long& 1short	1long& 2short	1long& 3short
1.Brake	NO	Soft	Heavy	Very Heavy				
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 cutoff	Cut off						
8.Battery cells	Auto	2S	38	48				

If don't want select other parameter, move throttle to the zero position in 3 seconds, then moto emits special tone 1765765", it will exit the programmi

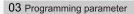
When motor emits "Exit" tone, move throttle to the

rero position in 3 seconds, then moto

emits special tone

1765765" it will







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]High, For 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 hrottle 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, itrepresents ESC enters normal operation mode.