ESC manual setting options (including E-Helicoter version) 10A/20A/30A/40A/BEC50A /

• How to enter the option set mode:

1 Connect Motor and ESC and Receiver, but be careful not to connect the battery and the ESC's power cables.

2 Switch on transmitter, and have the throttle to the highest position (full throttle). (Note: most of Futaba transmitter's throttle position is reversed.)

3 Connect ESC and battery power cable, ESC will control the motor to sound with some rhythm beep sounds.

• How to set option:

After entering option mode, the motor will sound some regular tweet sounds: one or more short sounds (depending on different specifications, see Table 1.1 and Table 1.2). These sounds are the current options of the ESC program tone, each tone will be repeated three times, after that, will change to the next option, before end of the three sound, new option command can be input. Menu option is cyclic, if missed, could wait for next cycle coming, it's just for a while. Options beep meanings as follows:

When the option alert tones appears, because it is 3 cycles, it is recommended you watch the first time, when heard the second voice, confirm and opperate setting at once. Move stick to the end of throttle (off throttle) position, the motor will emit a long high-tweet to confirm the current options and save data and exit setup status. As the throttle in the closed position, a prompt beep sound (see Table 2.1 and Table 2.2) will be followed by ESC restarts and prepare to start motor running.

Table 1.1 (MENU description for 10A/20A/30A/40A/BEC50A boat/ aircraft low voltage ESC)

Prompt Beep Sound		Beep sound's Meaning
-	one short high tone beep	main option I: NiMH battery*
--	two short high tone beeps	main option II: Li-Po battery
---	three short tone beeps	main option III: Brak setting**

The protection Voltage of Li-Po battery is 3.0V per cell, number of cells automatically detecte

The auto cutoff voltage of NiMH battery is to take power voltage's 60%.

Table 1.2 (MENU description for H30A/H40A helicopter low-voltage ESC)

Prompt Beep Sound		Beep Sound's Meaning
-	one short high tone beep	main option I: for no constant speed normal mode (random +/- speed)*
--	two short high tone beeps	main option II: for 2-4 poles motor's constant speed mode
---	three short tone beeps	main option III: for 6-10 poles motor's constant speed mode
----	four short tone beeps	main option IV: for 12-14 poles motor's constant speed mode

(Helicopter ESC only supports Li-Po battery, and is 2 or 3 cells auto detection, so the only constant mode in the options menu, the other extra options is locked for safety.)

Table 2.1 (start up audio description for 20A/30A/40A boat / aircraft low-voltage ESC)

Prompt Beep Sound		Beep Sound's Meaning
——	1 long high tone beep	Li-Po battery
---	3 short high tone beeps	NiMH battery

Table 2.2 (start up audio description for H30A/H40A helicopter low-voltage ESC)

Prompt Beep Sound		Beep Sound's Meaning
---	3 short high tone beeps	non-constant speed mode (radom +/- speed)*
——	1 long low tone beep	constant speed mode for 2-4 poles motor
— —	2 long low tone beeps	constant speed mode for 6-10 poles motor
— — —	3 long low tone beeps	constant speed mode for 12-14 poles motor

(Helicopter ESC only supports Li-Po battery, and is 2 or 3 cells auto detection, so the only constant mode in the options menu, the other extra options is locked for safety.)

* This option is the factory / default.

** Brake setting is repeatedly switch, that means,if corrent setting is brake on, then resetting is brake off.

Note:
Heli or H is the abbreviation of helicopter

ESC which under 20A (not included) do not allow the ESC option settings. In order to reduce the possibility of customer's wrong setting, factory default locked the auto-detection of lithium. One exception is the helicopter version of the 20A ESC, it is also no option, and factory locked the constant speed setting.