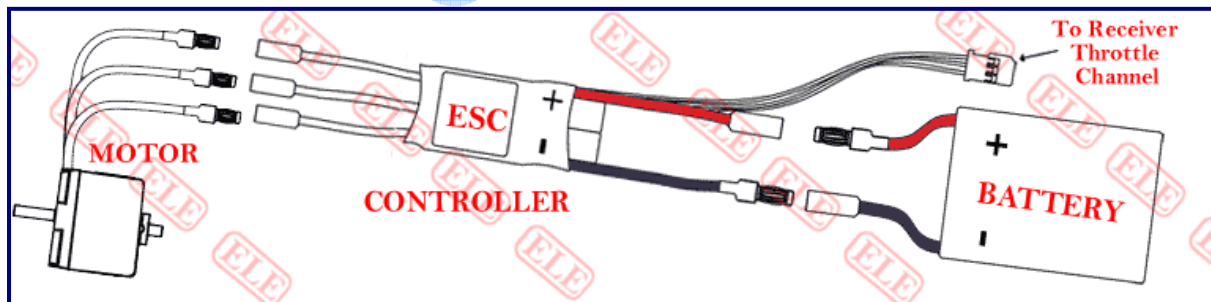


**ADVANCE Series controllers USERS MANUAL****(40-80A@OPTO)****SPECIFICATION:**

Type of ESC	Dimensions	Weight	Operating range	BEC load	Current	Peak (10 sec)
Advance II 8000OH	76.0×27.3×12.3mm	50g(1.76oz)	2-5 LiPo /3000-6000mah	OPTO	80A	90A
Advance II 6000OH	76.0×27.3×8.5mm	34g(1.20oz)	2-5 LiPo /3000-6000mah	OPTO	60A	70A
Advance II 4000OH	76.0×27.3×8.1mm	27.5g(0.97oz)	2-5LiPo /3000-6000mah	OPTO	40A	48A

MAIN FUNCTIONS:

1. Safety mode: the motor won't start no matter what the position of the control stick is when switched on the RC unit.
2. Brake setting: on/off (factory setting is off)
3. Three point battery type and low voltage selection.
4. Software reversion of motor turning direction.
5. Low current protection: ignore/reduce power/shut off
6. Temperature protection: reduce power when the temperature reaches 120 degree C.
7. PWM frequency: 8KHZ/16KHZ
8. RPM setting: 20,000RPM/50,000RPM/100,000

**FACTOR DEFAULT SETTINGS:**

Brake: Off
Battery type: 3 Li-poly
Under voltage: Reduce power
Soft start: Enable
Timing: Auto
Frequency: 8KHz
Active Control: Off

ESC program procedure

Normal start up:

When throttle stick is off, you will hear one beep for Brake on or two tones for Brake off.

Program:

When throttle stick is at full power connects battery and switch on, and wait for 5 sec. setup mode is entered:

1. Brake

If you pull the stick to off within 5 sec. **Brake** will be changed. (ON→OFF, or OFF→ON)

2. Battery type

(Voltage Cut-off)

NiCad:	.	.	.	.	.
2Lipos: (5.6V)	..	..	..	..	..
3Lipos: (8.4)	...	...	...	...	...
4Lipos: (11.2V)	....	....	....	....	....
5Lipos: (14V)	.....	.....	.....	.....	.....

3. Rotation reverse

Reverse motor rotation

⚡⚡⚡⚡⚡

4. Soft start

Enable 🎵🎵🎵🎵🎵

Disable: 🎵🎵🎵🎵🎵

5. Under voltage

Ignore _ _ _ _ _
 Reduce power _ _ _ _ _
 Cut off - - - - -

6. Timing

automatic(7~30 degree) - - - - -
 Soft:(7 degree) - - - - -
 Hard(22~30 degree) - - - - -

7. Frequency

8.kHz: 🎵 🎵 🎵 🎵 🎵
 16 kHz: 🎵 🎵 🎵 🎵 🎵

8. Restore Factor Default Settings

9. Active RPM Control

._.	._.	._.	._.	._.	rpm control off
..	..	..	..	..	20.000 rpm
...	...	...	...	...	50.000 rpm
....	....	....	....	....	100.000 rpm

Notice:

1. Make sure the connection for battery positive and negative are right. Reversing the connection will damage the ESC permanently.
2. Use the suitable batteries. Do not exceed the working voltage of ESC.
3. The company keeps the right to change design, function or package, without notice.
4. Take care in using safely. Incorrect use may cause injury to the body. The company will not be responsible for any damage or loss caused by incorrect operation.

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