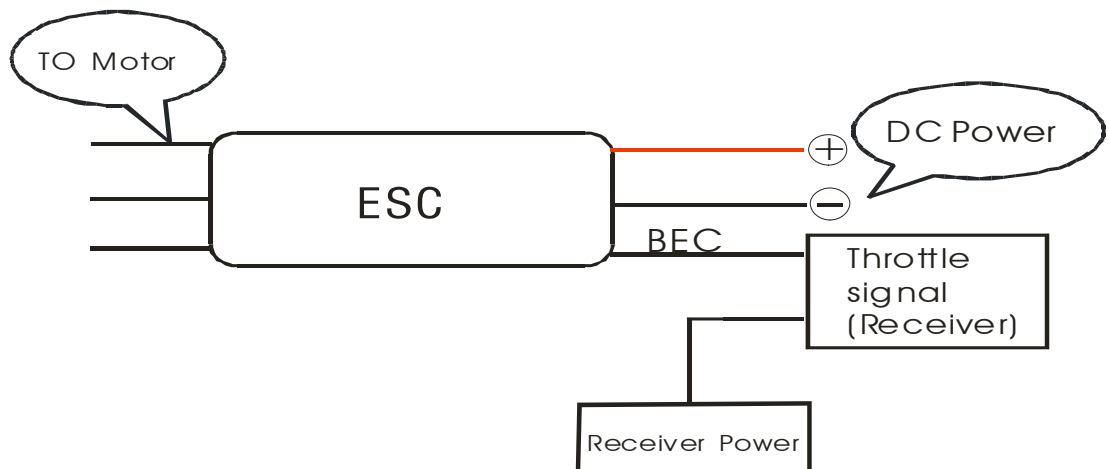

USERS MANUAL (FM40A,FM60A,FM80A)

SPECIFICATION:

Model:	FM40A	FM60A	FM80A
Continuously working current:	40A	60A	80A
Input voltage:	Ni-Mh 6~16cells Li-ion 2~5cells		
BEC current:	No		
Weight:	35g	55g	55g

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: 20000RPM/50000RPM/100000RPM((60/80A Only)



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 for5 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)

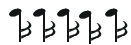
2. Battery type

(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:

Restore Factor Default Settings

— — — — —

8. Active RPM Control

0	rpm control off
1	20.000 rpm
2	50.000 rpm
3	100.000 rpm (60/80A Only)

Factor default settings:

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

Notice:

1. Make sure the right connection for the battery positive and negative, the reversed connection will damage ESC perpetually.
2. Use the suitable batteries, do not be over the working voltage of ESC.
3. The company keeps the right for any changes of designing, functions, outside, etc. without notice.
4. Take care safety in using, it may injure the body. The company will not be responsible for any lose with incorrect operation.