



(Designed & Manufactured by RC EXPLORER TEAM)

Actinium V5S #TPR-BLM-XXX100ACT-V5S Brushless Motor User Guidelines-

Suggested Gear Ratio Table with approx. Weight and KV figure shown:

13.5T~25.5T motor timing at 30deg, ESC is in blinky mode.

<i>Motor Turn</i>	<i>Weight(g)</i>	<i>Kv (rpm/volt)</i>	<i>Touring Car 1/10 (Medium Track)</i>
13.5 T	~153	~3800 KV	~4.8
17.5 T	~155	~2800 KV	~4.0
21.5 T	~152	~2400 KV	~3.4
25.5 T	~158	~1850 KV	~2.8

Installation Procedure:

- Connect the sensor wire between the brushless motor and electronic speed controller.
- For convenience to solder the A, B, C wires, please solder the given connection adaptor to the golden plate(A,B,C position) of the brushless motor. After that, three wires from the electronic speed controller can be connected to these three adaptors directly. Please make sure the connection position (A,B,C) between the motor and electronic speed controller should be matched.
- Use the M3 screws mounting the motor to the car and the max length of screws shall not exceed 8mm.

Warning Note:

- Never solder capacitors & schottky diode to the motor.
- All wires and connection have to be well insulated. Short circuit will destroy the motor.
- For better performance, it is recommended to use cooling fan to cool down the brushless motor.



Timing:



- To screw out a little bit for the three screws from the top of end bell, then the end bell can be rotated.
- To increase the power, revolution and torque by rotating the end bell to higher timing reading.
- To decrease the power, revolution and torque by rotating the end bell to lower timing reading.

Notes:

As the timing is increased, it will generate excessive heat and it may destroy the motor, it is suggested to use the default factory setting

Motor Specifications:

	Standard Motor Dimension
Design Specification:	Based on IFMAR/ROAR/BRCA Rule, but may be different as those rules are changed in different time
Motor Dimension:	35.8mm(Diameter) x 52.5mm(Length)
Shaft Diameter:	3.17mm
Magnet Dimension:	10.5T~21.5T: 12.5(outer diameter)x7.2(inner diameter) x25.2mm(length) 25.5T: 12.3(outer diameter)x7.2(inner diameter) x25.2mm(length)
Weight:	~150~160g (depends on which motor turn)
Recommend RC Model Car:	1:10 or MINI RC CAR

If any further information needs upon reviewing the instruction, please feel free to contact enquiry@rc-explorer.com. For more product information, please go to the below web site <http://www.team-powers.com>.