



# Thunder Tiger

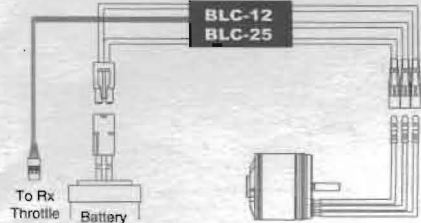
## BLC-12/BLC-25

Electric Speed Controller

BRUSHLESS MOTOR

### Instruction Manual

Specifications:	BLC 12	BLC 25
Current	12A	25A
Current Peak	20A@10 sec	35A@10 sec
NiCD/NiMH battery cells	6-12 cells	6-12 cells
Li Polymer cells	2-4 cells	2-4 cells
Over temp Protection	Yes	Yes
Brake Programmable	Yes	Yes



#### Features / Specifications:

1. These types of speed controllers especially designed to offer high power and high efficiency combined with low weight and compact dimensions.
2. Automatic cut-off and auto detection of all types and number of cells.
3. Brake set to non-active: Factory default setting
4. Brake set to active
5. Over temperature protection: Motor to be intermittently turned off when the temperature reaches 105°C
6. Low speed control: Be able to let motor running steadily at very low speed.
7. Fail safe mode

#### Operating Instructions:

1. Connect the output wires of the Speed Controller to the motor.
2. Plug the connector into receiver throttle channel.
3. Ventilation - Mount the speed controller in the model at proper position with good ventilation & so as to isolate it from vibration and shock.
4. Assure throttle stick at correct forward or reverse direction.
5. Motor rotating direction: Slowly move the throttle stick for acceleration & make sure the motor is rotating in the right orientation. Exchanging any two of motor wires will change the motor direction accordingly.
6. Brake setting:

The speed controller is supplied with the brake non-activated. If you want to turn on the brake, do the following:

1. Switch on the transmitter and move the throttle stick to full speed.
2. Connect the battery pack and turn on the receiver switch ( if used ).
3. Wait 3 ~ 4 seconds.
4. You will hear 3 tones of " Do Do Do "
5. Right after above tones of " Do Do Do " , move the throttle stick fast to the low speed position immediately, you will hear two tones of " Dala Dala "
6. The brake is now turned on.
7. Enable or disable the brake: The brake setting is memorized, that means it will not be changed after disconnecting the battery pack. When turning on the speed controller with the brake non-active, there will always be one Dala tone after tone of " Do Re Mi". When the brake is set active, there will be a double " Dala Dala " tone after tone of " Do Re Mi ". If you want to change the brake status, repeat the above brake setting procedure.
8. Be sure to move the throttle stick to brake or low speed position to relieve the power on safe every time when switch on the speed controller. Prior to start the motor, be sure to confirm the system feed back with the correct prompt tones.