

You should read this manual carefully before using these Speed Controllers.

Manual for GWS Speed Controllers of Brushless motors

● The following GWS Speed Controllers have already been set with "Brake" function.

ESC Types	GWESC15A	GWESC25A	GWESC35A
Weights	17g (0.6 oz)	18g (0.64 oz)	22g (0.78 oz)
Built-In BEC (Battery Eliminator Circuit)	2 Amps.	2 Amps.	3 Amps.

Recommended Battery to use: 2S - 4S LiPo Battery Pack; 12-cell NiMh or Ni-Cads power pack.

(The old version of GWESC15A was designed for using LiPo Battery Pack only, and could not be set by using GWS Brushless ESC Programming Card; however it could be used well by following its enclosed manual.)

1. How to set up the Range of Throttle:

- Turn on transmitter then push throttle stick forward/up fully.
- Turn on Speed Controller (Connect Battery Pack with Speed Controller), then LED flashes rapidly. The maximum throttle range will be restored well after hearing two "beep" sounds (1KHZ). All set values would be reset back to default values automatically if throttle stick stayed at its top position (maximum throttle) for more than 10 seconds during setting procedures.
- Pull back (down) throttle stick to its half range (at less than 50%), then LED flashes slowly. The minimum throttle range will be restored well after hearing two "beep" sounds (1KHZ).
- After hearing "dong - ding" sound, then it is at the status of idle and ready to start up.

The above-stated 3 Speed Controllers could be set more precisely by using **GWS Brushless ESC Programming Card** according to its manual.

2. Minimum Throttle Range set up:

- Turn on transmitter; pull back (down) throttle stick to between 0-50% of its range.
- Turn on Speed Controller (Connect Battery Pack with Speed Controller), Led flashes slowly.
The minimum throttle range will be restored well after hearing two "beep" sounds (1KHZ).
- Upon hearing "dong-ding" sound, then it is at the status of idle and ready to start up.

Note 1. The Maximum throttle range could be set at between 50 - 100% of throttle stick movement, the Minimum throttle range could be set at between 0 - 50% of the throttle stick movement.

Note 2. All set values as above mentioned would be cancelled and reset back to their default values automatically if throttle stick stayed at its top position (maximum throttle) for more than 10 seconds during setting procedures.

Note 3. Be sure to pull back/down throttle stick at its lowest position (minimum throttle) before turning on transmitter, otherwise this Speed Controller will monitor all restored values again and reset them back to their default values if throttle stick stayed at its top position (maximum throttle) for more than 10 seconds.