



56-1714-1 • 1/2007

# GTB 4-CELL INSTRUCTION ADDENDUM

This Addendum should be referred to instead of the included original instructions for the following changes which are noted below.

The GTB 4-Cell was designed for use only in lower-load applications where only 4 cells are used such as oval and 1/12 on-road cars. **Use with more than 4 cells or in higher load applications like touring cars will void the warranty as seen in the main GTB instruction manual included with this product.**

### SPECIFICATIONS:

All specifications are identical to those found in the GTB Main Instructions except for the following:

**Input Voltage** .....4 Cells (1.2 Volts DC/Cell)

**ESC Weight (w/o wires)**.....1.01 ounce (29 grams)

### PROPER GEAR SELECTION Starting Points:

Gearing is given in rollout for each brushless motor turn (i.e. 4.5). Rollout is determined by dividing tire circumference (tire diameter x 3.14) by spur and pinion gear ratio. Example: (1.75" x 3.14) ÷ (100 ÷ 23) = 1.26 rollout.

**For optimum 4 cell performance, it is not recommended to exceed temperatures of 160° F (71° C) on the ESC or Motor. Reduce gearing if necessary.**

Vehicle	13.5	10.5	8.5	7.5	6.5	5.5	4.5	3.5
1/10 Oval	2.75	2.50	1.70	1.60	1.50	1.40	1.30	1.20
1/12 On-Road	2.50	2.10	1.50	1.40	1.30	1.20	1.10	1.00

### THROTTLE PROFILE SELECTION

The GTB 4-Cell ESC is equipped with 6 user-selectable throttle profiles as shown below.

#### GTB 4-CELL THROTTLE PROFILES

	BRUSHLESS PROFILES					BRUSHED MODE
	1	2	3	4	5	6
w/ Reverse	No	No	No	No	Yes	No
% Reverse	0	0	0	0	100	0
Programmable	Yes	Yes	Yes	Yes	Yes	Yes
Min Drive	1%	1%	1%	1%	2%	3%
Min Brake	10%	15%	20%	25%	30%	20%
Drag Brake	10%	15%	20%	25%	30%	off
Dead Band	4%	4%	4%	4%	4%	4%

### ADVANCED—CUSTOM PROGRAMMING

**Drag Brake Values.** Drag brake values have been optimized for use with sintered rotors and 4-cell applications, and allow for much finer adjustments.

Setting (# of Flashes):	1	2	3	4	5	6	7	8	9	10
Drag Brake (%):	off	3	6	9	12	15	18	21	24	27

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