



ESC Speed Passion GT2.1 Prostock ESC

Event: Beat the Heat

Nation:

Date: 7/9-10/2011

Vehicle: 416WE

Tyres Used: ☒ Rubber ☐ Foam

FDR / Rollout: 6.59

Off Road

Conditions: ☐ Dry ☒ Wet ☐ DampGrip Level: ☒ Low ☐ Medium ☐ HighTrack Type: ☒ Astro ☐ Grass ☐ Dirt☐ Multi Surface

ESC/Firmware Version: 323stock

Motor Used: Epic D3 based

Motor Endbell Timing: 1 notch of timing

Rotor Used: stock

Battery Used: IB 5800

TRACK INFO

Track Name/Location: parking lot

☐ Indoor ☒ Outdoor

Track Temp.: 145+

Weather Temp.: 97+

Track Size: 120x80

Grip: LOW ☐ ☐ ☐ ☒ HIGH☒ Asphalt ☐ Concrete ☐ Carpet ☐ Technical ☒ Mixed ☒ Fast

Programmable Items

Programmable Value

1

2

3

4

5

6

7

8

9

Basic Items

1. Running Mode	Forward Only With Brake ☒	Forward / Reverse With Brake ☐	Forward / Reverse ☐						
2. Drag Brake Force	0% ☐	5% ☐	10% ☐	15% ☒	20% ☐	25% ☐	30% ☐	100% ☐	Custom
3. Low Voltage Cut-Off Threshold	None ☒	2.6V/Cell ☐	2.8V/Cell ☐	3.0V/Cell ☐	3.2V/Cell ☐	3.4V/Cell ☐	Custom		
4. DRRS mode	Smooth Level 1 ☐	Smooth Level 2 ☐	Normal Level 3 ☐	Normal Level 4 ☐	Normal Level 5 ☐	Progressive Level 6 ☐	Progressive Level 7 ☐	Aggressive Level 8 ☐	Aggressive Level 9 ☒

Advanced Items

5. Maximum Brake Force	12.5% ☐	25% ☐	37.5% ☐	50% ☐	62.5% ☐	75% ☒	87.5% ☐	100% ☐	
6. Maximum Reverse Force	25% ☐	50% ☐	75% ☒	100% ☐					
7. Initial Brake Force	= Drag Brake Force ☒	0% ☐	20% ☐	40% ☐					
8. Neutral Range (Dead Band)	6%(Narrow) ☒	9%(Normal) ☐	12%(Wide) ☐						
9. Boost Timing	Custom 0° to 64° with the trim step of 1° (110323stock) 42				Custom 0° to 16° with the trim step of 1° (110119mod) 				
10. Turbo Slope Rate	3°/0.1s ☐	6°/0.1s ☐	12°/0.1s ☒	18°/0.1s ☐	24°/0.1s ☐	30°/0.1s ☐			
11. Over Heat Protection	95°C ☐	Non-Protection ☒							
12. Turbo Timing	Custom 0° to 40° with the trim step of 1° (110323stock) 16				Custom 0° to 20° with the trim step of 1° (110119mod) 				
13. Boost Start RPM	Custom 1000 to 15000 RPM with the trim step of 1000 RPM 3000 RPM								
14. Turbo Delay	0s ☒	0.1s ☐	0.2s ☐	0.3s ☐	0.4s ☐	0.5s ☐	0.6s ☐	0.7s ☐	0.8s ☐
15. Boost Timing Acceleration	Custom 50 to 750 RPM/Deg, with the trim step of 50 RPM/Deg 400 RPM / Deg								

NOTE: Motor would come off at 190deg to 210deg depending on track temp.