BLACKBOX 510R
ELECTRONICS SET-UP SHEET

Voltage input:	2S LiPo
On resistance (Ω)	0.105
Continuous current (A)	150
Dimensions (mm)	38.5 x 36.9 x 19.5
Weight w/o wires & fan (g)	44
Motor limit	3.5T
BEC	6.0 - 7.4V / 5A

DRIVER: Rick Hohwart **EVENT:** CTS2 Round 5 **TRACK:** Ripon R/C Speedway **DATE:** 7/23/17

VEHICLE: AE TC7.1 **CONDITIONS:** Med/high grip asphalt, hot **BATTERY:** Zappers #27309 6000mAh 276g **TEMP:** 103F

ESC INFO

FIRMWARE:	14
CAPACITOR TYPE:	Pro Mod
FAN:	10mm
WIRE SIZE:	13

BRAKE

1A DRAG BRAKE:	25%
1B BRAKE STRNGTH:	90%
1C INIT BRAKE:	= Drag Brake
1D DRAG FREQ:	1.5
1E BRAKE FREQ:	2
1F BRAKE PUNCH:	Level 3

DYNAMIC DRAG BRAKE

2A DYNAMIC DRAG:	0
2B DRAG SW RPM:	45000
2C MAX DDRAG RPM:	58000
2D DRAG REL RATE:	2000

THROTTLE

3A PUNCH CTRL:	Level 10
3B INIT THROTTLE:	0
3C DRIVE FREQ:	32
3D DEAD BAND:	6
3E CURRENT LIMIT:	100

MOTOR POWER

(•) EXPERT

4A BOOST TIMING:	0
4B BOOST ST RPM:	13000
4C BOOST END RPM:	30000
4D B. TH LIMIT:	Off
4E TURBO TIMING:	15
4F TURBO ST RPM:	35000
4G TURBO ACT:	Full TH+RPM
4H TURBO DELAY:	Off
4J SLEW RATE:	8deg/.1s
4K RELEASE RATE:	8deg/.1s

( ) STANDARD

5A TIMING LEVEL:	

MISC CONTROL

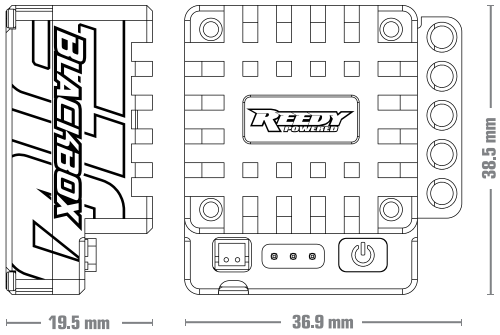
6A RUN MODE:	(•) F/B ( ) F/B/R
6B REVERSE PWR:	(•) 25% ( ) 50% ( ) 75% ( ) 100%
6C BATT CUTOFF:	(•) NONE ( ) 3.2V/CELL ( ) 3.4V/CELL
6D ESC TEMP CUT:	(•) OFF ( ) 176F/80C ( ) 194F/90C
6E MOT ROTATION:	(•) NORMAL ( ) REVERSE
6F BEC VOLTAGE:	( ) 6.0V (•) 7.4V

MOTOR SETTINGS

MOTOR:	Sonic 540-M3
WIND:	4.5
TIMING:	18deg
ROTOR:	12.0 #296
FDR/ROLLOUT:	7.25:1
TEMPERATURE:	N/A

RADIO SETTINGS

THROTTLE EPA:	100
BRAKE EPA:	100
THROTTLE EXPO:	0
BRAKE EXPO:	0



NOTES:

- 1216-C2 Charger #27200
- TVC = 8.10V, Fast Charge Mode
- RS0806 Servo #27108
- Motor fan
- 70mm sensor wire

30 TIME REEDY

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