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:** 2017 Reedy TC Race of Champions **TRACK:** Tamiya **DATE:** 5/28/17

VEHICLE: AE TC7.1 **CONDITIONS:** Med grip asphalt **BATTERY:** Reedy #27309 6000mAh LP **TEMP:** 75F

ESC INFO

FIRMWARE:	14
CAPACITOR TYPE:	Pro mod
FAN:	10mm
WIRE SIZE:	13-gauge

BRAKE

1A DRAG BRAKE:	25%
1B BRAKE STRNGTH:	90%
1C INIT BRAKE:	Drag Brake
1D DRAG FREQ:	1.5KHz
1E BRAKE FREQ:	2KHz
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:	2000RPM

THROTTLE

3A PUNCH CTRL:	Level 1
3B INIT THROTTLE:	0%
3C DRIVE FREQ:	32KHz
3D DEAD BAND:	6%
3E CURRENT LIMIT:	100%

MOTOR POWER

(•) EXPERT

4A BOOST TIMING:	0
4B BOOST ST RPM:	0
4C BOOST END RPM:	0
4D B. TH LIMIT:	Off
4E TURBO TIMING:	20deg
4F TURBO ST RPM:	0
4G TURBO ACT:	Full TH
4H TURBO DELAY:	0.10sec
4J SLEW RATE:	10deg/0.1s
4K RELEASE RATE:	5deg/0.1s

( ) STANDARD

5A TIMING LEVEL:	NA

MISC CONTROL

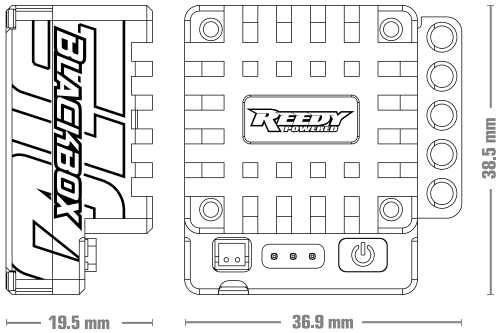
6A RUN MODE:	(•) F/B ( ) F/B/R
6B REVERSE PWR:	(•) 25% ( ) 50% ( ) 75% ( ) 100%
6C BATT CUTOFF:	(•) NONE ( ) 3.2V/CELL ( ) 3.4V/CELL
6D ESC TEMP CUT:	(•) OFF ( ) 176F/80C ( ) 194F/90C
6E MOT ROTATION:	(•) NORMAL ( ) REVERSE
6F BEC VOLTAGE:	(•) 6.0V ( ) 7.4V

MOTOR SETTINGS

MOTOR:	Reedy Sonic 540-M3
WIND:	4.5
TIMING:	18deg
ROTOR:	#274 12.3mm
FDR/ROLLOUT:	7.25:1
TEMPERATURE:	NA

RADIO SETTINGS

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



NOTES:

- Motor fan
- #978 70mm flat sensor wire
- Reedy RS0806 LP Servo
- Reedy 1216-C2 Charger
- 12A charge rate, 8.20V TVC

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