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: Chris Grainger **EVENT:** U.K. Nationals **TRACK:** UK medium/large **DATE:** 12/9/16

VEHICLE: AE TC7.1 **CONDITIONS:** Medium grip, dry **BATTERY:** Reedy #27301 **TEMP:** 20C

ESC INFO

FIRMWARE:	14
CAPACITOR TYPE:	Pro Modified
FAN:	7mm
WIRE SIZE:	13

BRAKE

1A DRAG BRAKE:	12
1B BRAKE STRNGTH:	100
1C INIT BRAKE:	15
1D DRAG FREQ:	1
1E BRAKE FREQ:	2
1F BRAKE PUNCH:	5

DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG:	0
2B DRAG SW RPM:	30000
2C MAX DDRAG RPM:	45000
2D DRAG REL RATE:	2000

THROTTLE

3A PUNCH CTRL:	2
3B INIT THROTTLE:	0
3C DRIVE FREQ:	8
3D DEAD BAND:	6
3E CURRENT LIMIT:	100

MOTOR POWER

(•) EXPERT

4A BOOST TIMING:	15
4B BOOST ST RPM:	12000
4C BOOST END RPM:	42000
4D B. TH LIMIT:	Off
4E TURBO TIMING:	25
4F TURBO ST RPM:	0
4G TURBO ACT:	Full TH
4H TURBO DELAY:	0
4J SLEW RATE:	12
4K RELEASE RATE:	22

( ) STANDARD

5A TIMING LEVEL:	

MISC CONTROL

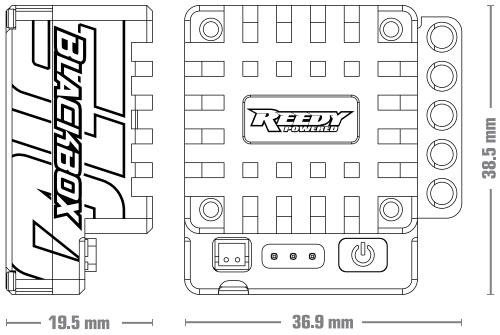
6A RUN MODE:	(•) F/B ( ) F/B/R
6B REVERSE PWR:	(•) 25% ( ) 50% ( ) 75% ( ) 100%
6C BATT CUTOFF:	( ) NONE (•) 3.2V/CELL ( ) 3.4V/CELL
6D ESC TEMP CUT:	(•) OFF ( ) 176F/80C ( ) 194F/90C
6E MOT ROTATION:	(•) NORMAL ( ) REVERSE
6F BEC VOLTAGE:	(•) 6.0V ( ) 7.4V

MOTOR SETTINGS

MOTOR:	Reedy 540-M3
WIND:	4.5
TIMING:	25
ROTOR:	#275
FDR/ROLLOUT:	7.57:1
TEMPERATURE:	65C

RADIO SETTINGS

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



NOTES:

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