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: Broc Champlin **EVENT:** Testing **TRACK:** 702 R/C Raceway **DATE:** 6-25-20

VEHICLE: AE B6.2 **CONDITIONS:** CRC Black Carpet **BATTERY:** Zappers #27349 4100mAh LP Shorty **TEMP:** 80F

ESC INFO

FIRMWARE:	B468316
CAPACITOR TYPE:	Pro Modified
FAN:	7mm
WIRE SIZE:	13

BRAKE

1A DRAG BRAKE:	16
1B BRAKE STRNGTH:	90
1C INIT BRAKE:	= Drag Brake
1D DRAG FREQ:	2
1E BRAKE FREQ:	2
1F BRAKE PUNCH:	7

DYNAMIC DRAG BRAKE

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

THROTTLE

3A PUNCH CTRL:	6
3B INIT THROTTLE:	0
3C DRIVE FREQ:	8
3D DEAD BAND:	4
3E CURRENT LIMIT:	100

MOTOR POWER

(•) EXPERT

4A BOOST TIMING:	11
4B BOOST ST RPM:	8000
4C BOOST END RPM:	33000
4D B. TH LIMIT:	Off
4E TURBO TIMING:	29
4F TURBO ST RPM:	33000
4G TURBO ACT:	Full TH
4H TURBO DELAY:	.10
4J SLEW RATE:	20
4K RELEASE RATE:	8

( ) STANDARD

5A TIMING LEVEL:	

MISC CONTROL

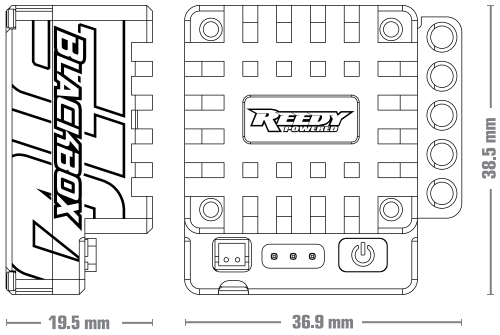
6A RUN MODE:	(•) F/B ( ) F/B/R
6B REVERSE PWR:	(•) 25% ( ) 50% ( ) 75% ( ) 100%
6C BATT CUTOFF:	(•) NONE ( ) 3.2V/CELL ( ) 3.4V/CELL
6D ESC TEMP CUT:	(•) OFF ( ) 176F/80C ( ) 194F/90C
6E MOT ROTATION:	(•) NORMAL ( ) REVERSE
6F BEC VOLTAGE:	( ) 6.0V (•) 7.4V

MOTOR SETTINGS

MOTOR:	Sonic 540-M4
WIND:	6.5
TIMING:	28
ROTOR:	#27449 13mm
FDR/ROLLOUT:	81/21
TEMPERATURE:	140F

RADIO SETTINGS

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



NOTES:

#27457 Reedy Aluminum Motor Fan
#27101 Reedy RT1508 Servo
#27203 Reedy 1416-C2L Charger

30 TIME REEDY

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