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: Keven Hebert **EVENT:** 2017 Halloween Classic **TRACK:** The Gate **DATE:** 10/2017

VEHICLE: AE TC7.1 **CONDITIONS:** High grip black carpet (CRC) **BATTERY:** #27309 Zappers 6000mAh **TEMP:** N/A

ESC INFO

FIRMWARE:	14
CAPACITOR TYPE:	Pro modified
FAN:	Yes
WIRE SIZE:	Reedy 13

BRAKE

1A DRAG BRAKE:	25%
1B BRAKE STRNGTH:	95
1C INIT BRAKE:	=drag brake
1D DRAG FREQ:	1.5khz
1E BRAKE FREQ:	2khz
1F BRAKE PUNCH:	level 7

DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG:	0
2B DRAG SW RPM:	45000
2C MAX DDRAG RPM:	68000
2D DRAG REL RATE:	20000

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:	8000
4C BOOST END RPM:	28000
4D B. TH LIMIT:	off
4E TURBO TIMING:	0
4F TURBO ST RPM:	30000
4G TURBO ACT:	full THReedy SOnic 540-M3
4H TURBO DELAY:	off
4J SLEW RATE:	15
4K RELEASE RATE:	20

( ) STANDARD

5A TIMING LEVEL:	

MISC CONTROL

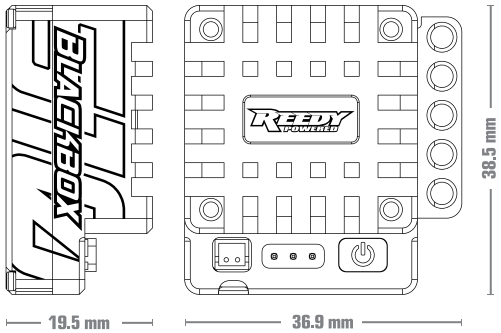
6A RUN MODE:	(•) F/B ( ) F/B/R
6B REVERSE PWR:	(•) 25% ( ) 50% ( ) 75% ( ) 100%
6C BATT CUTOFF:	(•) NONE ( ) 3.2V/CELL ( ) 3.4V/CELL
6D ESC TEMP CUT:	(•) OFF ( ) 176F/80C ( ) 194F/90C
6E MOT ROTATION:	(•) NORMAL ( ) REVERSE
6F BEC VOLTAGE:	(•) 6.0V ( ) 7.4V

MOTOR SETTINGS

MOTOR:	Reed Sonic 540-M3
WIND:	5.0
TIMING:	20
ROTOR:	#296 12.0mm
FDR/ROLLOUT:	7.6:1
TEMPERATURE:	N/A

RADIO SETTINGS

THROTTLE EPA:	100
BRAKE EPA:	90
THROTTLE EXPO:	0
BRAKE EXPO:	0



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