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:** 2017 Reedy Off-Road Race of Champions **TRACK:** OCRC Raceway **DATE:** 1/22/17

VEHICLE: AE B44.3 **CONDITIONS:** High grip clay, indoors **BATTERY:** Reedy #27307 **TEMP:** 70F

ESC INFO

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

BRAKE

1A DRAG BRAKE:	10%
1B BRAKE STRNGTH:	90%
1C INIT BRAKE:	=Drag Brake
1D DRAG FREQ:	= Brake Freq
1E BRAKE FREQ:	2KHz
1F BRAKE PUNCH:	Level 5

DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG:	NA
2B DRAG SW RPM:	NA
2C MAX DDRAG RPM:	NA
2D DRAG REL RATE:	NA

THROTTLE

3A PUNCH CTRL:	Level 5
3B INIT THROTTLE:	0%
3C DRIVE FREQ:	8KHz
3D DEAD BAND:	6%
3E CURRENT LIMIT:	100%

MOTOR POWER

○ EXPERT

4A BOOST TIMING:	
4B BOOST ST RPM:	
4C BOOST END RPM:	
4D B. TH LIMIT:	
4E TURBO TIMING:	
4F TURBO ST RPM:	
4G TURBO ACT:	
4H TURBO DELAY:	
4J SLEW RATE:	
4K RELEASE RATE:	

◉ STANDARD

5A TIMING LEVEL:	Level 0

MISC CONTROL

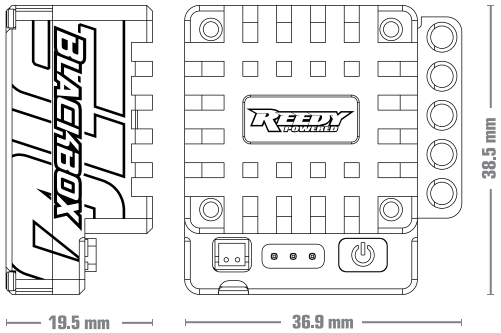
6A RUN MODE:	⦿ F/B ○ F/B/R
6B REVERSE PWR:	⦿ 25% ○ 50% ○ 75% ○ 100%
6C BATT CUTOFF:	⦿ NONE ○ 3.2V/CELL ○ 3.4V/CELL
6D ESC TEMP CUT:	⦿ OFF ○ 176F/80C ○ 194F/90C
6E MOT ROTATION:	⦿ NORMAL ○ REVERSE
6F BEC VOLTAGE:	⦿ 6.0V ○ 7.4V

MOTOR SETTINGS

MOTOR:	Reedy Sonic 540-M3
WIND:	5.5
TIMING:	20 deg
ROTOR:	#275
FDR/ROLLOUT:	19/81
TEMPERATURE:	NA

RADIO SETTINGS

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



NOTES:

- TVC = 4.20V/cell
- 10-minute main event

30 TIME REEDY

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