

# 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: Brent Thielke

EVENT: JConcepts Summer Indoor Nationals

TRACK: Hobby Action R/C Raceway

DATE: July 15, 2018

VEHICLE: RC10B6.1D

CONDITIONS: Indoors, dirt, high grip, small

BATTERY: #27323 Reedy Zappers SG 5800 mAh 80C

TEMP: N/A

### ESC INFO

FIRMWARE: B468314

CAPACITOR TYPE: Stock

FAN: None

WIRE SIZE: 13

### THROTTLE

3A PUNCH CTRL: Level 2

3B INIT THROTTLE: 0%

3C DRIVE FREQ: 8 KHz

3D DEAD BAND: 6%

3E CURRENT LIMIT: 100%

### 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

### BRAKE

1A DRAG BRAKE: 16%

1B BRAKE STRNGTH: 80%

1C INIT BRAKE: 0%

1D DRAG FREQ: 1.5 KHz

1E BRAKE FREQ: 3 KHz

1F BRAKE PUNCH: Level 1

### MOTOR POWER

EXPERT

4A BOOST TIMING: 0deg

4B BOOST ST RPM: 5,000

4C BOOST END RPM: 25,000

4D B. TH LIMIT: Off

4E TURBO TIMING: 3deg

4F TURBO ST RPM: 25,000

4G TURBO ACT: Full TH

4H TURBO DELAY: Off

4J SLEW RATE: Fastest

4K RELEASE RATE: 8 deg/0.1s

### MOTOR SETTINGS

MOTOR: Reedy M3

WIND: 7.5

TIMING: 20\*

ROTOR: #273 12.5 Spec

FDR/ROLLOUT: 21 / 78

TEMPERATURE: N/A

### DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG: 0%

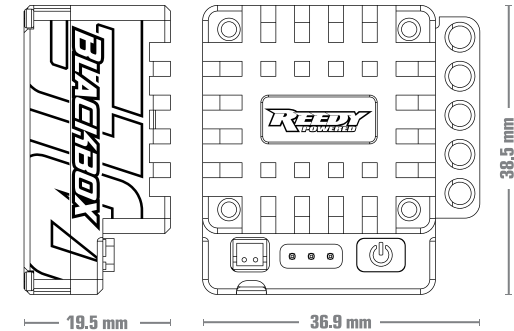
2B DRAG SW RPM: 30,000

2C MAX DDRAG RPM: 45,000

2D DRAG REL RATE: 2,000 RPM

### STANDARD

5A TIMING LEVEL:



### NOTES:

- Brake Dual Rate = 84%



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