

# 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 Northwest Carpet Nationals      TRACK: North West Hobbies      DATE: April 14, 2019

VEHICLE: RC10B6.1      CONDITIONS: Indoors, carpet, high grip, medium      BATTERY: #27338 Reedy Zappers SG2 4100 mAh 80C      TEMP: N/A

### ESC INFO

FIRMWARE: B468314

CAPACITOR TYPE: Stock

FAN: None

WIRE SIZE: 13

### THROTTLE

3A PUNCH CTRL: Level 3

3B INIT THROTTLE: 0%

3C DRIVE FREQ: 12 KHz

3D DEAD BAND: 8%

3E CURRENT LIMIT: 100%

### MISC CONTROL

6A RUN MODE:  F/B    F/B/R

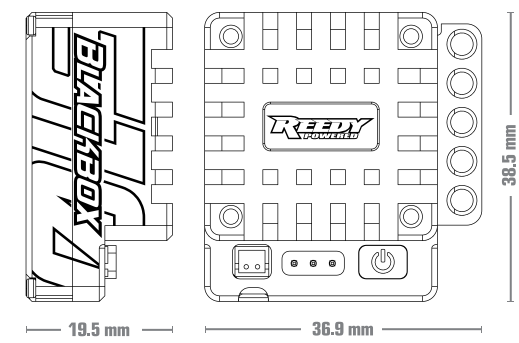
6B REVERSE PWR:  25%    50%    75%    100%

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: 12%

1B BRAKE STRNGTH: 95%

1C INIT BRAKE: Drag Brake

1D DRAG FREQ: 1.5KHz

1E BRAKE FREQ: 1.5KHz

1F BRAKE PUNCH: Level 5

### MOTOR POWER

EXPERT

4A BOOST TIMING: 0deg

4B BOOST ST RPM: 25,000

4C BOOST END RPM: 30,000

4D B. TH LIMIT: Off

4E TURBO TIMING: 15deg

4F TURBO ST RPM: 25,000

4G TURBO ACT: Full TH

4H TURBO DELAY: 0.10sec

4J SLEW RATE: 5deg/0.1x

4K RELEASE RATE: 10deg/0.1s

STANDARD

5A TIMING LEVEL: \_\_\_\_\_

### MOTOR SETTINGS

MOTOR: Reedy M3

WIND: 6.5

TIMING: 22\*

ROTOR: #275 12.5 Mod

FDR/ROLLOUT: 22 / 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

### RADIO SETTINGS

THROTTLE EPA: 100%

BRAKE EPA: 100%

THROTTLE EXPO: 0%

BRAKE EXPO: 0%

NOTES: - Brake Dual Rate = 95%