

# 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: \_\_\_\_\_ EVENT: \_\_\_\_\_ TRACK: \_\_\_\_\_ DATE: \_\_\_\_\_

VEHICLE: \_\_\_\_\_ CONDITIONS: \_\_\_\_\_ BATTERY: \_\_\_\_\_ TEMP: \_\_\_\_\_

### ESC INFO

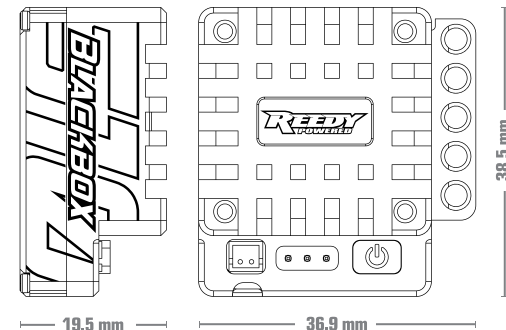
FIRMWARE: \_\_\_\_\_  
CAPACITOR TYPE: \_\_\_\_\_  
FAN: \_\_\_\_\_  
WIRE SIZE: \_\_\_\_\_

### THROTTLE

3A PUNCH CTRL: \_\_\_\_\_  
3B INIT THROTTLE: \_\_\_\_\_  
3C DRIVE FREQ: \_\_\_\_\_  
3D DEAD BAND: \_\_\_\_\_  
3E CURRENT LIMIT: \_\_\_\_\_

### 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: \_\_\_\_\_  
1B BRAKE STRNGTH: \_\_\_\_\_  
1C INIT BRAKE: \_\_\_\_\_  
1D DRAG FREQ: \_\_\_\_\_  
1E BRAKE FREQ: \_\_\_\_\_  
1F BRAKE PUNCH: \_\_\_\_\_

### 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: \_\_\_\_\_

### MOTOR SETTINGS

MOTOR: \_\_\_\_\_  
WIND: \_\_\_\_\_  
TIMING: \_\_\_\_\_  
ROTOR: \_\_\_\_\_  
FDR/ROLLOUT: \_\_\_\_\_  
TEMPERATURE: \_\_\_\_\_

### DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG: \_\_\_\_\_  
2B DRAG SW RPM: \_\_\_\_\_  
2C MAX DDRAQ RPM: \_\_\_\_\_  
2D DRAG REL RATE: \_\_\_\_\_

### RADIO SETTINGS

THROTTLE EPA: \_\_\_\_\_  
BRAKE EPA: \_\_\_\_\_  
THROTTLE EXPO: \_\_\_\_\_  
BRAKE EXPO: \_\_\_\_\_

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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