# 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:** Keith Oyama **EVENT:** Practice **TRACK:** Hot Rod Hobbies **DATE:** 10/24/2020

**VEHICLE:** AE B74.1D **CONDITIONS:** Dry Dirt **BATTERY:** Reedy Zappers LP #27349 **TEMP:** 70F

### ESC INFO

| | |
|---|---|
| FIRMWARE: | B468314 |
| CAPACITOR TYPE: | Stock |
| FAN: | None |
| WIRE SIZE: | 13 AWG |

### BRAKE

| | |
|---|---|
| 1A DRAG BRAKE: | 10% |
| 1B BRAKE STRNGTH: | 85% |
| 1C INIT BRAKE: | Drag Brake |
| 1D DRAG FREQ: | 1.5kHz |
| 1E BRAKE FREQ: | 3kHz |
| 1F BRAKE PUNCH: | Level 1 |

### DYNAMIC DRAG BRAKE

| | |
|---|---|
| 2A DYNAMIC DRAG: | 0% |
| 2B DRAG SW RPM: | 30000 |
| 2C MAX DDRAG RPM: | 45000 |
| 2D DRAG REL RATE: | 2000RPM |

### THROTTLE

| | |
|---|---|
| 3A PUNCH CTRL: | Level 3 |
| 3B INIT THROTTLE: | 0% |
| 3C DRIVE FREQ: | 16kHz |
| 3D DEAD BAND: | 2% |
| 3E CURRENT LIMIT: | 100% |

### MOTOR POWER

◉ **EXPERT**

| | |
|---|---|
| 4A BOOST TIMING: | 0deg |
| 4B BOOST ST RPM: | 5000 |
| 4C BOOST END RPM: | 25000 |
| 4D B. TH LIMIT: | Off |
| 4E TURBO TIMING: | 0deg |
| 4F TURBO ST RPM: | 25000 |
| 4G TURBO ACT: | Full Th |
| 4H TURBO DELAY: | off |
| 4J SLEW RATE: | 3deg/0.1s |
| 4K RELEASE RATE: | 3deg/0.1s |

○ **STANDARD**

| | |
|---|---|
| 5A TIMING LEVEL: | |

### MISC CONTROL

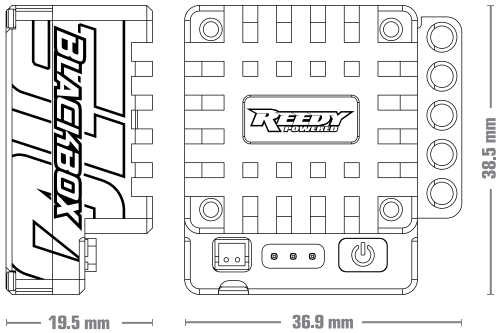
| | |
|---|---|
| 6A RUN MODE: | ◉ F/B ○ F/B/R |
| 6B REVERSE PWR: | ◉ 25% ○ 50% ○ 75% ○ 100% |
| 6C BATT CUTOFF: | ○ NONE ◉ 3.2V/CELL ○ 3.4V/CELL |
| 6D ESC TEMP CUT: | ◉ OFF ○ 176F/80C ○ 194F/90C |
| 6E MOT ROTATION: | ◉ NORMAL ○ REVERSE |
| 6F BEC VOLTAGE: | ◉ 6.0V ○ 7.4V |

### MOTOR SETTINGS

| | |
|---|---|
| MOTOR: | Reedy M4 |
| WIND: | 5.5 |
| TIMING: | 20deg |
| ROTOR: | Stock |
| FDR/ROLLOUT: | |
| TEMPERATURE: | |

### RADIO SETTINGS

| | |
|---|---|
| THROTTLE EPA: | 100% |
| BRAKE EPA: | 100% |
| THROTTLE EXPO: | Linear |
| BRAKE EXPO: | Linear |




**NOTES:**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