# 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:** Mike Haynes **EVENT:** 2017 ROAR Carpet Nationals **TRACK:** 360 v2 **DATE:** 3/12/17

**VEHICLE:** AE TC7.1 **CONDITIONS:** High grip carpet - CRC black **BATTERY:** Reedy Zappers #27309 **TEMP:** 70

### ESC INFO

| | |
|---|---|
| FIRMWARE: | 14 |
| CAPACITOR TYPE: | Pro Modified |
| FAN: | No |
| WIRE SIZE: | 14-gauge |

### BRAKE

| | |
|---|---|
| 1A DRAG BRAKE: | 12% |
| 1B BRAKE STRNGTH: | 100% |
| 1C INIT BRAKE: | = Drag Brake |
| 1D DRAG FREQ: | 2k |
| 1E BRAKE FREQ: | 2k |
| 1F BRAKE PUNCH: | 100% |

### DYNAMIC DRAG BRAKE

| | |
|---|---|
| 2A DYNAMIC DRAG: | n/a |
| 2B DRAG SW RPM: | n/a |
| 2C MAX DDRAG RPM: | n/a |
| 2D DRAG REL RATE: | n/a |

### THROTTLE

| | |
|---|---|
| 3A PUNCH CTRL: | 8 |
| 3B INIT THROTTLE: | 0 |
| 3C DRIVE FREQ: | 3k |
| 3D DEAD BAND: | 5% |
| 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: | 0 - blinky |

### MISC CONTROL

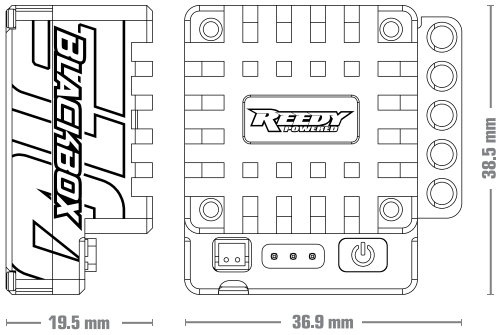
| | |
|---|---|
| 6A RUN MODE: | ◉ F/B ○ F/B/R |
| 6B REVERSE PWR: | ○ 25% ○ 50% ○ 75% ◉ 100% |
| 6C BATT CUTOFF: | ○ NONE ◉ 3.2V/CELL ○ 3.4V/CELL |
| 6D ESC TEMP CUT: | ○ OFF ○ 176F/80C ◉ 194F/90C |
| 6E MOT ROTATION: | ◉ NORMAL ○ REVERSE |
| 6F BEC VOLTAGE: | ◉ 6.0V ○ 7.4V |

### MOTOR SETTINGS

| | |
|---|---|
| MOTOR: | Reedy Sonic 540-M3 #269 |
| WIND: | 17.5 SS |
| TIMING: | 47* |
| ROTOR: | #273 12.5mm |
| FDR/ROLLOUT: | 4.27:1 |
| TEMPERATURE: | n/a |

### RADIO SETTINGS

| | |
|---|---|
| THROTTLE EPA: | 100% |
| BRAKE EPA: | 85% |
| THROTTLE EXPO: | 0 |
| BRAKE EXPO: | 0 |




**NOTES:**

--motor fan

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REEDY POWERED

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