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:** 1/9/2021

VEHICLE: AE B74.1D **CONDITIONS:** Dry Dirt Bumpy **BATTERY:** Reedy Zappers LP #27349 **TEMP:** 68F

ESC INFO

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

BRAKE

1A DRAG BRAKE:	10%
1B BRAKE STRNGTH:	100%
1C INIT BRAKE:	Drag Brake
1D DRAG FREQ:	2.5kHz
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:	15000
4C BOOST END RPM:	42000
4D B. TH LIMIT:	Off
4E TURBO TIMING:	0deg
4F TURBO ST RPM:	30000
4G TURBO ACT:	Full Th
4H TURBO DELAY:	0.05s
4J SLEW RATE:	8deg/0.1s
4K RELEASE RATE:	8deg/0.1s

○ STANDARD

5A TIMING LEVEL:	

MISC CONTROL

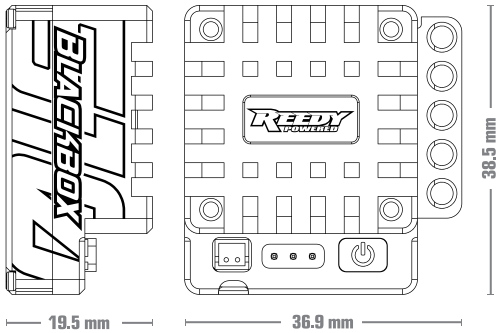
6A RUN MODE:	◉ F/B ○ F/B/R
6B REVERSE PWR:	◉ 25% ○ 50% ○ 75% ○ 100%
6C BATT CUTOFF:	○ NONE ◉ 3.2V/CELL ○ 3.4V/CELL
6D ESC TEMP CUT:	◉ OFF ○ 176F/80C ○ 194F/90C
6E MOT ROTATION:	◉ NORMAL ○ REVERSE
6F BEC VOLTAGE:	◉ 6.0V ○ 7.4V

MOTOR SETTINGS

MOTOR:	Reedy M4
WIND:	6.5
TIMING:	20deg
ROTOR:	Stock
FDR/ROLLOUT:	
TEMPERATURE:	

RADIO SETTINGS

THROTTLE EPA:	100%
BRAKE EPA:	90%
THROTTLE EXPO:	Linear
BRAKE EXPO:	Linear



NOTES:

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