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: Keven Hebert **EVENT:** US indoor champs **TRACK:** US indoor champs **DATE:** Nov 27 2018

VEHICLE: TC7.2 **CONDITIONS:** Medium grip black carpet **BATTERY:** 6000 Zapper **TEMP:**

ESC INFO

FIRMWARE:	
CAPACITOR TYPE:	stock
FAN:	yes
WIRE SIZE:	reedy 13

BRAKE

1A DRAG BRAKE:	20%
1B BRAKE STRNGTH:	90%
1C INIT BRAKE:	drag brake
1D DRAG FREQ:	2khz
1E BRAKE FREQ:	2khz
1F BRAKE PUNCH:	level 7

DYNAMIC DRAGE BRAKE

2A DYNAMIC DRAG:	0
2B DRAG SW RPM:	45000
2C MAX DDRAG RPM:	68000
2D DRAG REL RATE:	20000

THROTTLE

3A PUNCH CTRL:	level 1
3B INIT THROTTLE:	0
3C DRIVE FREQ:	24khz
3D DEAD BAND:	6%
3E CURRENT LIMIT:	100

MOTOR POWER

◉ EXPERT

4A BOOST TIMING:	0
4B BOOST ST RPM:	8000
4C BOOST END RPM:	28000
4D B. TH LIMIT:	off
4E TURBO TIMING:	15
4F TURBO ST RPM:	30000
4G TURBO ACT:	full th
4H TURBO DELAY:	.05
4J SLEW RATE:	8
4K RELEASE RATE:	instant

○ STANDARD

5A TIMING LEVEL:	

MISC CONTROL

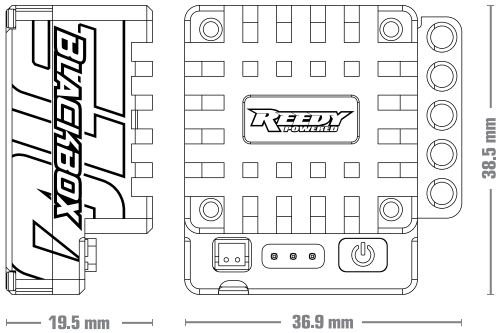
6A RUN MODE:	◉ F/B ○ F/B/R
6B REVERSE PWR:	○ 25% ○ 50% ○ 75% ◉ 100%
6C BATT CUTOFF:	◉ NONE ○ 3.2V/CELL ○ 3.4V/CELL
6D ESC TEMP CUT:	◉ OFF ○ 176F/80C ○ 194F/90C
6E MOT ROTATION:	◉ NORMAL ○ REVERSE
6F BEC VOLTAGE:	◉ 6.0V ○ 7.4V

MOTOR SETTINGS

MOTOR:	mach 3
WIND:	5.0
TIMING:	20
ROTOR:	12.0
FDR/ROLLOUT:	7.6
TEMPERATURE:	

RADIO SETTINGS

THROTTLE EPA:	100
BRAKE EPA:	100
THROTTLE EXPO:	0
BRAKE EXPO:	0



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