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: Alex Fournier **EVENT:** 2017 Quebec National **TRACK:** Circuit téléguidé St-Hyacinthe **DATE:** 28, 29 & 30 April 2017

VEHICLE: Associated TC7.1 **CONDITIONS:** High grip **BATTERY:** **TEMP:**

ESC INFO

FIRMWARE:	
CAPACITOR TYPE:	Reedy
FAN:	
WIRE SIZE:	14g

BRAKE

1A DRAG BRAKE:	10%
1B BRAKE STRNGTH:	100%
1C INIT BRAKE:	40%
1D DRAG FREQ:	Brk Freq
1E BRAKE FREQ:	800Hz
1F BRAKE PUNCH:	10

DYNAMIC DRAG BRAKE

2A DYNAMIC DRAG:	
2B DRAG SW RPM:	
2C MAX DDRAG RPM:	
2D DRAG REL RATE:	

THROTTLE

3A PUNCH CTRL:	10
3B INIT THROTTLE:	0
3C DRIVE FREQ:	3KHz
3D DEAD BAND:	4%
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:	

MISC CONTROL

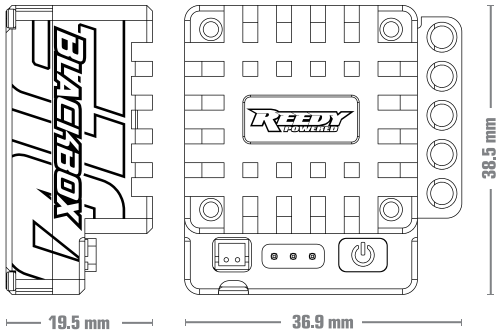
6A RUN MODE:	◉ F/B ○ F/B/R
6B REVERSE PWR:	◉ 25% ○ 50% ○ 75% ○ 100%
6C BATT CUTOFF:	◉ NONE ○ 3.2V/CELL ○ 3.4V/CELL
6D ESC TEMP CUT:	◉ OFF ○ 176F/80C ○ 194F/90C
6E MOT ROTATION:	◉ NORMAL ○ REVERSE
6F BEC VOLTAGE:	◉ 6.0V ○ 7.4V

MOTOR SETTINGS

MOTOR:	TSR
WIND:	17.5
TIMING:	45
ROTOR:	12.5
FDR/ROLLOUT:	4.0
TEMPERATURE:	140

RADIO SETTINGS

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



NOTES:

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