BLACKBOX 410R
ELECTRONICS SET-UP SHEET

Voltage input:	3.7 - 7.4/ 1-2 LiPo
On resistance (Ω)	0.00035 x2
Continuous current (A)	150
Weight without wires (g)	49
Motor limit (2-pole/4-pole)	3.5T/4800kV
SBEC	5.5 - 7.0V/5A

DRIVER: Ray Munday **EVENT:** 2015 Victorian Titles **TRACK:** Mildura, Vic, Australia **DATE:** 6 June 2015

VEHICLE: AE B5M **CONDITIONS:** Outdoors, flowing, grooved red clay **BATTERY:** Reedy 5700 SP #310 **TEMP:** 5-20C

ESC INFO

FIRMWARE:	V2.9
CAPACITOR TYPE:	Pro
FAN (YES/NO):	No
WIRE SIZE:	12Ga
PROFILE #:	1

BRAKE

DRAG BRAKE:	18%
BRAKE FREQ:	1.6kHz
BRAKE STRENGTH:	85%
BRAKE CURVE:	-20%

SPD SENS BRAKE

LOW SPEED STR:	OFF
HIGH SPEED STR:	
SWITCHOVER RPM:	

THROTTLE

THROTTLE FREQ:	16kHz
THROTTLE PUNCH:	100
THROTTLE CURVE:	0
DEAD BAND:	3%

MOTOR POWER

ACCEL BOOST

START RPM:	OFF
FINISH RPM:	
MAX ADV TIMING:	

TOP SPEED TIMING

SLEW RATE:	5deg/0.1
MAX ADV TIMING:	OFF
DELAY TIME:	0

MISC CONTROL

RUN MODE:	Race Open
MOTOR TYPE:	2 Pole
SBEC VOLTAGE:	5.5V
FORWARD POWER:	100%
REVERSE POWER:	OFF

PROTECTION

BATTERY CUTOFF:	6.5V
ESC TEMP CUTOFF:	230F

MOTOR SETTINGS

MOTOR:	Reedy Sonic 2
WIND:	8.5T
TIMING:	30deg
ROTOR:	12.5mm
FDR/ROLLOUT:	8.125:1 (24/75)
TEMPERATURE:	

RADIO SETTINGS

THROTTLE EPA:	100%
BRAKE EPA:	80%
THROTTLE EXPO:	-15%
BRAKE EXPO:	0

NOTES:

Use 10deg Top Speed timing for very long straight.
16kHz drive frequency used to smooth out power on slippery tracks.

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