

R1

DIGITAL 2 ESC

MOTOR & ESC SETUP SHEET

DRIVER: Brandon Clements

DATE: 4/23/17

VEHICLE: Awesomatix A800X

TIRES:

GEAR RATIO: 7.7

SPUR & PINION:

TRACK LENGTH X WIDTH:

LAYOUT: TIGHT OPEN

SURFACE: Asphalt

TRACTION: LOW MED HIGH

BATTERY: R1 6000

NUMBER OF CELLS:

MOTOR TYPE & WIND: R1 V15 4.5

ROTOR SIZE: 12.5mm

ENDBELL TIMING: 32

ESC FIRMWARE: 107

Settings

		1	2	3	4	5	6	7	8	9
1	Operation Mode	Forward, Brake <input checked="" type="checkbox"/>	Forward, Brk, Rev	Forward, Reverse						
2	Reverse Speed	25%	50%	75%	100%					
3	Low Volt Cut (Protection)	None <input checked="" type="checkbox"/>	2.9V/cell	3.0V/cell	3.2V/cell		when under custom setting, hold(>) button until the number starts flashing. While the number is flashing, press (<) or(>) to change the value. To save & move to drag brake setting press (*).			
4	Drag Brake	0%-100%	Default10%		4%					
5	Intial Brake	0%-50%	Default (=Drag Brake)			44%				
6	Full Brake	75%	80%	85%	90%	95%	100%			
7	Brake Frequency	1khz	2khz	4khz	8khz	16khz	32khz	64khz		
8	Power Level	(1-12)	2							
9	Drive Frequency	2khz	4khz	8khz	16khz	32khz	64khz			
10	Neutral Dead Band	0%	3%	6%	9%	12%				
11	Temp Cut Set	<input checked="" type="checkbox"/>	175F/80c	194F/90c						
12	Boost Timing	0deg-60deg		0						
13	Boost RPM	500-15,000	Default-14,000							
14	Boost (ACC)	50-700	Default 650							
15	Turbo Timing	0-60	14							
16	Turbo Slope	(3-24)	24/0.1							
17	Turbo Delay	Off	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
18	Rotation Mode	Normal	Reverse							
19	BEC Voltage	6V	7.2V							
20	Default Reset	No	if (>) is pressed, all settings will go to default							
21	Max Temperation	data logging feature								
22	Max RPM	data logging feature								