

1. **Throttle Feel** – Throttle response more soft (1) More Aggressive (5)
Touring low. 8000 for (1-2) budget for (4-5)
2. **Punch** – Allows you to change the punch of the ESC (Level 1 to Level 15):
 - Level 1 has the least punch and Level 15 has the highest punch.
 - Adjust punch level to maximize acceleration speed with minimum wheel spin.
3. **Timing** (Except "Blinky Mode") – Allows you to adjust the timing of the motor (0°-100° Mode 1° increments):
 - Generally speaking, in brushless systems, an increase in timing will result in an increase in the RPM of the motor. However, increase in timing can also decrease the efficiency of the system, thus generating heat on the ESC and motor.
 - Lower timing has the most torque and the lowest RPM; Higher timing has the least torque and the highest RPM.
4. **Turbo Timing** (Except "Blinky Mode") – Turbo Timing is unique to brushless systems because the ESC can simulate motor timing advance. While mechanical timing advance in a brushed motor system is limited by the physical phasing of the motor, brushless ESC timing advance can push beyond that physical limit. As a result, motors can run at a super-high RPM in the Turbo Timing mode, resulting in a sensation of having a 2nd gear/Turbo for top speed. This menu allows you to adjust the amount of Turbo Timing in your ESC in 1° increments. (The "Turbo Timing" should never be greater in value than Timing)
5. **Turbo down rank** (Except "Blinky Mode") – This is an opposite side Turbo timing for braking, preset -10, if you set the value to -1, this will smooth the throttle response as you slow from top speed, if you value set to -30, this will have more drag brake effect when you release throttle from top speed.

1. Program / Modified Mode			
Quick Setup	1.Throttle Feel	1-5	1
	2.Punch	Level:1-15	4
	3.Timing	OFF 100°	10
	4.TurboTiming	OFF 100°	48
	5.TurboDownRake	Fastest (-1)-(-30)	-20
	6.DragBrake	OFF 1%-30%	12
Advance Setup	1.PunchFineTune	-5	Normal
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	2.Pulse Width Modulation (PWM)	2000-32000	10000
	3.Compress	0%-50%	2%
	4.TimingStart	0%-90%	50%
	5.TimingRange	0-50%	45%
	6.TurboDelay	OFF 0.01s	0.02s
	7.TurboStart	40%-100%	92%
Initial Setup	8.TurboPunch	-5	Normal
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	9.BrakeFreq	800-5000Hz	1300
	10.InitialBrake	0-60%	34%
	11.Initial Brake range	0-100%	30%
	12.MaxbrakeForce	0-100%	74%
	1.RunningMode	Forward/Brake	Forward/Brake
		Forward/Rev	
		For/Brake/Rev	
		For/Hold/Rev	
	2.Battery	LiPolymer	LiPolymer
		LI-FE	
		NI-XX	
		OFF	
	3.CutOffVoltage	LOW 2.9v/s	OFF
		MIDDLE 3.2v/s	
		HIGH 3.4v/s	
		OFF	
	4.EscOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	5.MotorOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	6.NeutralRange	2%-15%	6%
		Auto	
		40%	
		60%	
		80%	
	7.Fan Mode	100%	100%
		80%	
		60%	
		40%	
	8.BEC Voltage	6V	6V
		7V	
		CCW	
	9.MotorAction	CCW	CCW
		CW	

6. **Drag Brake** – Also known as trail braking - allows you to set the automatic brake force applied when the throttle returns to neutral position (30 steps from 0% to 30%):
- Drag Brake affects how a car handles off-throttle (entering a corner). With drag brake on, there will be more weight shift to the front tires thus increasing the front end grip when you let go the throttle.
 - Experiment with different settings to find the setting that fits your driving style.

1. Program / Open Stock Mode			
Quick Setup	1.Throttle Feel	1-5	3
	2.Punch	Level:1-15	13
	3.Timing	OFF 100°	45
	4.TurboTiming	OFF 100°	100
	5.TurboDownRake	Fastest (-1)-(-30)	-10
	6.DragBrake	OFF 1%-30%	0
AdvanceSetup	1.PunchFineTune	-5	Normal
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	2.Pulse Width Modulation (PWM)	2000-32000	8000
	3.Compress	0%-50%	15%
	4.TimingStart	0%-90%	25%
	5.TimingRange	0-50%	45%
	6.TurboDelay	OFF 0.01s	0.02s
	7.TurboStart	40%-100%	92%
Initial Setup	8.TurboPunch	-5	+3
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	9.BrakeFreq	800-5000Hz	1300Hz
	10.InitialBrake	0-60%	34%
	11.Initial Brake range	0-100%	30%
	12.MaxbrakeForce	0-100%	74%
	1.RunningMode	Forward/Brake	Forward/Brake
		Forward/Rev	
		For/Brake/Rev	
		For/Hold/Rev	
	2.Battery	LiPolymer	LiPolymer
		LI-FE	
		NI-XX	
		OFF	
	3.CutOffVoltage	LOW 2.9v/s	OFF
		MIDDLE 3.2v/s	
		HIGH 3.4v's	
		OFF	
	4.EscOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	5.MotorOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	6.NeutralRange	2%-15%	6%
		Auto	
		40%	
		60%	
		80%	
	7.Fan Mode	100%	100%
		80%	
		60%	
		40%	
	8.BEC Voltage	6V	6V
		7.2V	
		CCW	
	9.MotorAction	CCW	CCW
		CW	

Advance Setup:

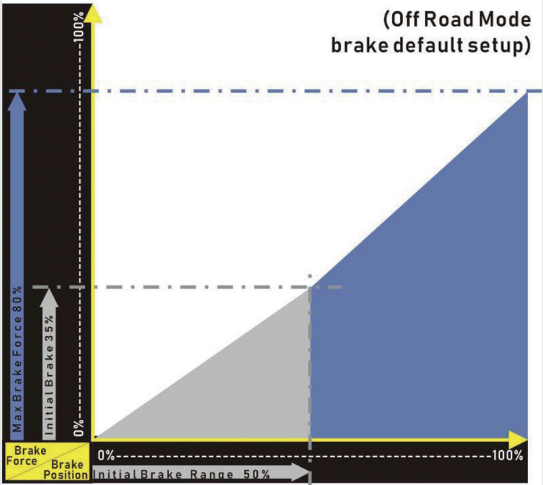
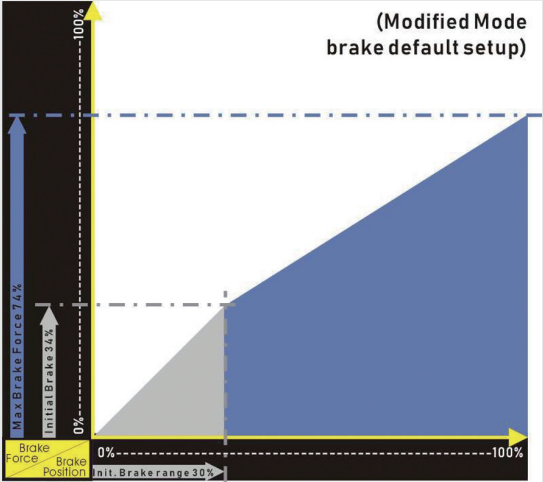
1. **Punch fine tune** – Allows you fine tune your Punch setting more detail, if you set (+1) your punch will up to 7.1 when the punch setup is 7, if you set (-1) your punch will down to 6.9 when you setup is 7.
2. **Pulse Width Modulation (PWM)** (This function can be found in the "Advance setup" except Blinky mode) – Allows you to change the forward drive frequency of the ESC (2K to 32K step by 500HZ)
 - The 2K setup will give you good punch at the low end.
 - The 32K setup will result in strong mid to top end.

1. Program / Off Road Mode			
Quick Setup	1.Throttle Feel	1-5	5
	2.Punch	Level:1-15	11
	3.Pulse Width Modulation (PWM)	2000-32000Hz	8000Hz
	4.Timing	OFF 100°	4
	5.TurboTiming	OFF 100°	off
	6.DragBrake	OFF 1%-30%	3
AdvanceSetup	1.PunchFineTune	-5	Normal
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	2.ReverseForce	0%-100%	35%
	3.Compress	0%-50%	10%
	4.TimingStart	0%-90%	55%
	5.TimingRange	0-50%	45%
	6.TurboDelay	OFF 0.01s	0.02s
	7.TurboStart	40%-100%	92%
Initial Setup	8.TurboPunch	-5	Normal
		-4	
		-3	
		-2	
		-1	
		Normal	
		+1	
		+2	
		+3	
		+4	
		+5	
	9.BrakeFreq	800-5000Hz	2000Hz
	10.InitialBrake	0-60%	35%
	11.Initial Brake Range	0-100%	50%
	12.MaxBrakeForce	0-100%	80%
	1.RunningMode	Forward/Brake	Forward/Brake
		Forward/Rev	
		For/Brake/Rev	
		For/Hold/Rev	
	2.Battery	LiPolymer	LiPolymer
		LI-FE	
		NI-XX	
		OFF	
	3.CutOffVoltage	LOW 2.9v/s	OFF
		MIDDLE 3.2v/s	
		HIGH 3.4v/s	
		OFF	
	4.EscOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	5.MotorOverHeat	95°	120°
		105°	
		120°	
		No Protection	
	6.NeutralRange	2%-15%	6%
		Auto	
		40%	
		60%	
		80%	
	7.Fan Mode	100%	100%
		80%	
		60%	
		40%	
	8.BEC Voltage	6V	6V
		7V	
		CCW	
	9.MotorAction	CCW	CCW
		CW	

- Experiment to find out what suits your driving style best. (Lower PWM will lower ESC temperatures while higher PWM settings may increase ESC temperatures and Higher PWM will course ESC more heat.) Ensure that your physical wiring configuration of A-B-C match Initial Setup options of the Program Card.
- Compress** (found in "Advance Setup" menu, Except for Blinky mode where it can be found in "Quick Setup") - This is for throttle curve, the higher the number, the more responsive the throttle feels at bottom end.

0% is linear throttle response. That's mean throttle compress, than will course you more sensitive in the throttle bottom

4. **Timing start** – Allows you to adjust early or later to add timing in bottom power, this will make it easy to get a smooth power band in bottom power.
5. **Timing range** – Allows you to adjust a smooth power band in middle power.
6. **Turbo delay** – Delay how long to start your turbo timing when you touch the throttle turbo point.
7. **Turbo start** – Allows you to adjust which throttle point to start the turbo and not only full throttle to start turbo and let it easy to get a smooth power band for all kind of motors.
8. **Turbo Punch** – let you adjust the top speed power band of turbo, turbo punch + get more aggressive and turbo punch – get more smooth of top end power.
9. **Brake Freq.** – Brake Frequency operates similar to PWM except it affects the braking instead of the throttle (100hz / step from 600hz to 5000hz)
 - At 1k Hz, the Drag brake and the Brake force will feel the punchiest.
 - At 5k Hz, the Drag brake and the Brake will feel very smooth.
10. **Initial Brake**
11. **Initial Brake range**
12. **Maxbrake Force**
- see diagram below.



Caution! Always monitor motor and ESC temperatures closely when applying timing to the ESC or motor. Heat may build up very fast in both ESC and motor and may cause permanent damage to equipment.

Limited Warranties / Repair Proceedures

All YR products are manufactured in accordance with the highest quality standards. YR guarantees this product to be free from defects in materials or workmanship for 60 days from the original date of purchase verified by sales receipt. This limited warranty does not cover damages resulting from abnormal wear, misuse or improper maintenance of the product.

To avoid unnecessary service and mailing charges, always eliminate all other possibilities and check all components for malfunctions before sending in your unit for repair. Products sent in for repair that operate perfectly will be charged a service fee.

When sending in the product, always pack carefully and include the original sales receipt, a description of the problem encountered, your return address and contact information.

Since we do not have control over the installation and use of this product, we cannot accept any liability for any damages resulting from the usage of this product. Therefore, using this product is at your own risk, and the user accepts all resulting liability from installing and using of the product.