USER MANUAL

MODEL NO: П25A П35A П45A П60A П80A П120A





Congratulations and thanks for purchasing electronic speed controller (ESC). The brushless power system for RC model can be very powerful and dangerous, so please read this manual carefully. Since we have no control over the installation, application, use or maintenance of this product, in no case shall we be liable for any damages, losses or costs. Besides, we have the rights to change the design, appearance, functions and operational requirements without any notifications.

01 Features

- Water-proof and dust-proof for all-weather races;
 (Note: please uninstall the cooling fan before using this ESC in water; Clean and dry it soon after the use for avoiding the connectors get rusty.)
- External programming port, easy to connect to the Program Card when setting the ESC;
- · Proportional brake with 4 steps of maximum brake force adjustment and 8 steps of drag brake force adjustment;
- 9 steps of acceleration(punch) adjustment from "soft" to "Very aggressive" to fit for different kinds of models, tires and tracks;
- Multiple protections: Low voltage cut-off protection / Over-heat protection / Throttle signal loss protection / Motor lock-up protection;
- Compatible with the optional device-the portable Digital LED Program Card, especially convenient for outdoor use.

02 Specifications

Model	25A	35A	45A	60A	80A	120A 120A/600A				
Cont. Current/ Burst Current	25A/100A	35A/120A	45A/180A	60A/320A	80A/480A					
Motor Type	Sensorless Brushless Motor									
Suitable Car	1/18, 1/16 car	1/18, 1/16, 1/14 car	1/10 car 1/10 car		1/8 car	1/8 car				
Suitable Brushless Motor	>=12T	>=12T	>=9T	>=9T >=5.5T		>=3.5				
Resistance	0.004ohm	0.003ohm	0.0014ohm	0.0007ohm	0.0005ohm	0.00035ohm				
Battery	2 cells Lipo	2~3 cells Lipo	2~3 cells Lipo		2~4 cells Lipo	2~4 cells Lipo				
BEC Output	5.8V/3A (switch mode)	5.8V/3A (switch mode)	5.8V/3A (switch mode)		5.8V/3A (switch mode)					

03 Instuctions

- 1. Connect BEC wires with the receiver
- 2. Connect motor wires with ESC
- 3. Turn on the transmitter
- 4. Connect battery pack with ESC then switch on the ESC.
- 5. When the connection of motor and battery is finished, the motor emits "Beep-Beep" tone.
- 6. When the throttle stick is in the neutral position, the motor re-emits "Beep-Beep"tone.
- 7. The ESC is workable.

Programming Projects (First Line LED)	Parameter values (second row LED)											
	1	2	3	4	5	6	7	8	9	10	11	12
1: Operation model	Positive rotation band brake	Direct positive and negative inversion	Positive belt proportional brake	Positive and Reverse Bel Proportional Brake	THE PARTY	1/693	a Torla	ac William	ortoors	aub b	ne touris	detelli
2: Motor Rotation Direction	Positive rotation	Reversal		energy and	22 34	Province	dining.	ant and	N advis	L Source	alaman.	Wito Miss
3: Start mode	1 level	2 level	3 level	4 level	5 level	6 level	7 level	8 level	9 level	10 level		
4: Minimum Forward Strength	5%	7%	9%	12%	14%	16%	18%	20%	22%	25%	BILLDYS T	OK DELL
5: Minimum backing strength	5%	7%	9%	12%	14%	16%	18%	20%	22%	25%	manage in-	- sets
6: Maximum Backing Strength	23%	32%	40%	49%	58%	66%	75%	83%	92%	100%		
7: Initial braking strength	0%	5%	11%	16%	22%	27%	33%	38%	44%	50%	nd head	Begint 1
8:Maximum braking strength	0%	11%	22%	33%	44%	55%	66%	77%	88%	100%	Monday h	made è
9: Braking force	0%	11%	22%	33%	44%	55%	66%	77%	88%	100%		The same of
10: Neutral point range	2%	2.3%	2.6%	3.0%	3.3%	3.6%	4.0%	4.3%	3.6%	5%	SAN TELA	100
11:Brake frequency	16KHz	8KHz	4KHz	2KHz	Hereit	500Hz	250Hz	125Hz	dov wo	1 (300)	a profile	i Walio
12:lithium saving	Automatic recognition	2S	38	4S	58	f 6S					A COLUMN TO	
13:Low Voltage Protection Threshold	2.6V	2.7V	2.8V	2.9V	3.0V	3.1V	3.2V	3.3V	3.4V	3.5V	3.6V	3.7V
14:Low Voltage Protection	No protection	Protect		N 197/8	Mary Friday	of Principle	San Street		e remain	man d	numericality	mean Cl.
15:Reverse maximum throttle stroke	0.9ms	0.933ms	0.967ms	1ms	1.033ms	1.067ms	1.1ms	1.133ms	1.167ms	1.2ms		Humanikin
16:Forward maximum throttle stroke	1.8ms	1.833ms	1.867ms	1.9ms	1.933ms	1.967ms	2.0ms	2.033ms	2.067ms	2.1ms	O LEGISTRA	V 191
17:Synchronized rectification	Close	Open		LUI WE							THE STATE	

programme card Appearance description

