

Specification

Series	Beast			Beast SLL	Beast Pro			
Items	45A、60A	80A、120A	120A、150A	45A、60A	120A Turbo	220A	200A	300A
Size(LxWxH)mm	45*32*37/52*36*38	52*38*36	55*48*37	41*33*35	38.1*36.4*31	55*40*34	90*55*50	116*78*74
BEC	6V/2A	6V/3A	6.0V,8.4V adjustable/3A	6V/2A	6V/5A	6.0V/7.4V Adjustable/8A	6.0V/7.4V Adjustable/8A	6.0V/7.4V Adjustable/8A
Battery NiXX/Lipo	5-10NC/2-3Lipo	5-12NC/2-4Lipo	5-18NC/2-6Lipo	5-10NC/2-3Lipo	5-10NC/2-3Lipo	8-18NC/3-6Lipo	8-24NC/3-8Lipo	18-36NC/6-12Lipo
Program Card	LED	✓	✓	✓				
	LCD			✓	✓		✓	✓
Suitable Car	1/10th Buggy/Truck	1/10th Buggy/Truck	1/8th Buggy/Truck	RTR-1/10th Buggy/Truck	1/10th Touring	1/8th Touring/ Buggy/ Truck Racing	1/5th Buggy/Truck	1/5th Buggy/Truck
Waterproof	Splash		✓		✓	✓		✓
	Full	✓	✓	✓			✓	
Sensored			✓		✓			
Sensorless	✓	✓		✓		✓	✓	✓

Remarks:

- Some of the ESCs have two signal cables : The longer one is for receiver , the shorter one is for program card.
- The switch of 200A、300A is different with the other ESC.

Features

- Enhanced throttle response, excellent acceleration, linearity and driveability.
- Beast Pro and Beast series use the advanced PC interface allows you to set up, program or update the firmware.
- Fully programmable via program card .
- Strong and Adjustable BEC output .
- Multiple protection features: Low voltage cut-off protection, over-heat protection and throttle signal loss protection.

Sensored Mode

When using a Sensored Brushless motor, the Blue motor wire (A), Yellow motor wire (B) and Orange motor wire (C) of the ESC must be connected with the Sensored motor wire terminals (A,B,C) respectively. It is necessary to connect the Sensor wire to the "Sensor" socket on the ESC. Do not change the sequence of the wires.

Sensorless Mode

When using a Sensorless Brushless motor, the Blue motor wire (A), Yellow motor wire (B) and Orange motor wire (C) of the ESC must be connected with the Sensorless motor wire terminals (A,B,C) respectively. Do not change the sequence of the wires.

Note: If the motor operates in reverse rotation, this can be changed in the programming settings.

Connection to Rx

White wire RX-Signal
Red wire RX+6.0V
Black wire RX-

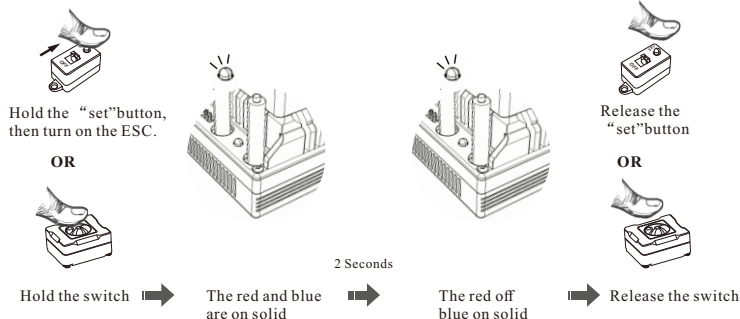


LED Indication

Function	LED	LED Status
Low voltage of the battery	Red LED	Blinking
Over-heat of the ESC and motor(95°C)	Blue LED	Blinking
Sensored Mode	Red and Blue LED	ON
Sensorless Mode	Blue LED	ON

Throttle Range Calibration

Step one



Step two



Step three



Shenzhen ZTW Model Science & Technology Co.,Ltd

ADD: 2/F, Block 1, Guanfeng Industrial Park, The Second Industrial Estate, Jiuwei New Village, Xixiang, Baoan, Shenzhen
Tel: +86 755 29120026 29120036 29120056
Fax: +86 755 29120016
E-mail: marketing@ztoem.com sales@ztoem.com



www.ztoem.com

一、产品规格

系列	Beast			Beast SLL	Beast Pro			
产品型号	45A、60A	80A、120A	120A、150A	45A、60A	120A Turbo	220A	200A	300A
尺寸(长x宽x高)mm	45*32*37/52*36*38	52*38*36	55*48*37	41*33*35	38.1*36.4*31	55*40*34	90*55*50	116*78*74
BEC输出	6V/2A	6V/3A	6.0V, 8.4V adjustable/3A	6V/2A	6V/5A	6.0V/7.4V 可调/8A	6.0V/7.4V 可调/8A	6.0V/7.4V 可调/8A
电池节数	5-10镍电/ 2-3锂电	5-12镍电/ 2-4锂电	5-18镍电/ 2-6锂电	5-10镍电/ 2-3锂电	5-10镍电/ 2-3锂电	8-18镍电/3-6锂电	8-24镍电/3-8锂电	18-36镍电/6-12锂电
编程卡	LED	✓	✓	✓		✓		✓
	LCD							
推荐车型	1/10th 大脚/卡车	1/10th 大脚/卡车	1/8th 大脚/卡车	RTR-1/10th 大脚/卡车	1/10th 房车	1/8th 房车/ 大脚/卡车	1/5th 大脚/卡车	1/5th 大脚/卡车
防水级别	防溅水		✓	✓	✓	✓		✓
	全防水	✓	✓	✓	✓	✓	✓	✓
有感			✓	✓	✓		✓	
无感	✓	✓	✓	✓	✓	✓	✓	✓



注意：

1. 有些电调有两根信号线，较长的那根用来连接接收机，较短的那根用来连接编程卡。
2. 200A、300A所使用的开关跟其他电调不一样。

二、魔兽竞赛系列车用电子调速器主要特性

- 快速的油门响应、强劲加速度、卓越的线性和可操控性。
- 可用编程卡设置参数并支持电脑端软件升级和编程菜单设置。
- 强劲BEC输出。
- CNC全铝全金外壳质量散热效果更佳，比传统塑料更耐撞，耐用。
- 多重保护功能：电池低压保护，温度保护，油门失控保护。
- 独家防水设计。

四、有感/无感使用说明

有感模式

连接有感马达时，请注意三根电调马达线颜色：蓝色线(A)、黄色线(B)、橙色线(C)，一定要对应有感马达外壳标示A、B、C连接，马达传感线要顺应插头位置连接。否则电调/电机有损坏的风险。

无感模式

连接无感马达时，三根电调马达线颜色：蓝色线(A)、黄色线(B)、橙色线(C)，可与马达任意连接。如果马达反转，请更换其中的任意两根马达线的连接顺序。

五、信号线说明

白线 RX-Signal
红线 RX+6.0V
黑线 RX-

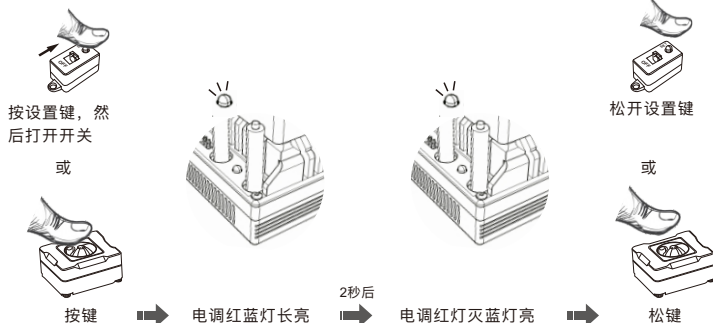


六、电调功能指示灯说明

功能状态	功能状态LED灯	功能状态LED灯指示
电池低压	红色LED灯	闪烁
电调与马达过热(95°C)	蓝色LED灯	闪烁
配有有感马达	红色 蓝色LED灯	长亮
配用无感马达	蓝色LED灯	长亮

七、校准油门行程

第一步



第二步



第三步



深圳市中特威科技有限公司
Shenzhen ZTW Model Science & Technology Co., Ltd.

地址：深圳市宝安区西乡九围新村第二工业区冠樟工业园一栋2楼

电话：+86 755 29120026 29120036 29120056

传真：+86 755 29120016

邮箱：marketing@ztwoem.com sales@ztwoem.com



www.ztwoem.com