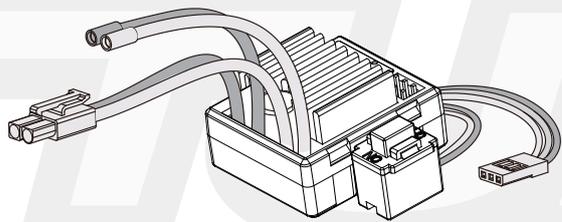
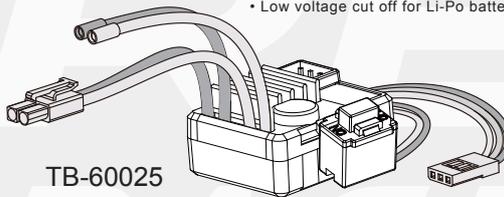


- Build in Capacitor, Water proof, Dust proof to adapt all weather
- 3 mode : Boat, Forward/Reverse, Crawler, suitable for all types of car
- High quality with special circuitry to accept surge current
- Large BEC output for high torque servo
- Auto throttle calibration, easy for newbie
- Use Jumper pin setting to select mode and functions
- Low voltage cut off for Li-Po battery, high temperature protection



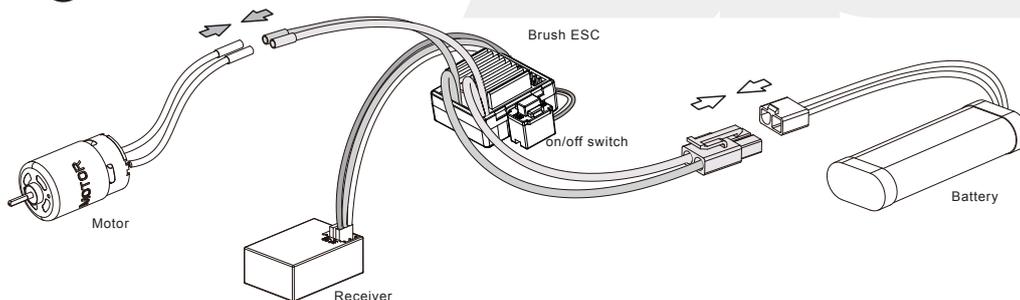
TB-60060



TB-60025

02 First time set up the Brushed ESC

1 Connection Diagram



1. This Brush esc is not polarity protected. Please pay attention when you plug in. Make sure the battery polarity is correctly plugged into the ESC or we will not responsible for any loss.
2. Just change two motor wire if you find the rotation is wrong direction

Product Specification

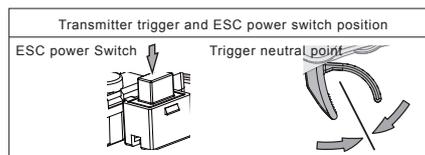
| Model | TB-60025 | TB-60060 |
|----------------------------------|---|---|
| Forward: Continues/Peak current | 25A/100A | 60A/360A |
| Backward: Continues/Peak current | 25A/100A | 30A/180A |
| Battery type | 1-2s Li-Po, 4-6cells Ni-mh | 2-3s Li-Po, 5-9cells Ni-mh |
| Type of Model | 1/18, 1/24 onroad, offroad, bigfoot, Truggy | 1/10, 1/12, 1/16 onroad, offroad, shortcourse, buggy, crawler, tank |
| Motor in Turn (T) | 1s Lipo(Only support Lipo if 1cell is used) | 540,550motor ≥21T or below 30000rpm@7.2v |
| | 2s Lipo or 6cells Nimh | 540,550motor ≥21T or below 30000rpm@7.2v |
| | internal resistance | CW: 0.003Ω, CCW: 0.003Ω |
| | BEC Output Voltage | 1A/6v (Linear regulation) |
| | Size/ Weight | 32.2*25.3*16.9mm/23.5g |
| | Mode | Boat, Forward/Backward, Crawler |
| | | 3A/6v (switching regulation) |
| | | 34.5x30.2x20.5mm /42g |
| | | Boat, Forward/Backward, Crawler |

2 Throttle setting

Turn on the transmitter, set Throttle D/R, EPA, ATL to 100%. Trim of throttle channel set to neutral. We strongly recommend to turn on failsafe function to cut off or neutral.

Turn on the ESC and set throttle trigger to neutral position. ESC will automatically self detection and calibration within 3s. Successful setting will sound "beep"

| Battery type selection sound with "Beep" | LED indication when operation |
|--|--|
| •Short one beep, Nimh battery | •LED off when throttle trigger at neutral position |
| •short two beep, 2s Lipo | •LED flash when throttle is not at full speed |
| •short three beep, 3s Lipo | •LED solid on when throttle is at full speed |
| •Long one beep, Normal operation. | |

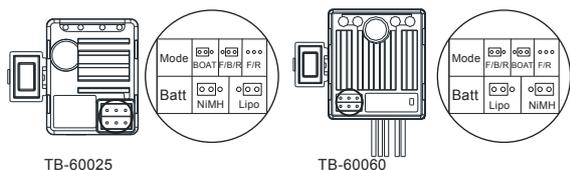


03 Mode and battery setting

Mode setting:

1. Mode and Battery are set by Jumper Pin

Setting method: Use Tweezers to select mode and battery type as illustration



Setting:

1. Model Mode: Forward/Brake/Reverse, Boat, Crawler, Defaulted F/B/R
F=Forward, B=Brake, R=Reverse

Meaning of Forward/Brake/Reverse is your model go forward then brake and reverse. When you going forward, pull trigger once is brake then pull once more is reverse. It prevents sudden reverse if pull the trigger

Boat mode only has forward and reverse without brake.

*Crawler mode: Forward and reverse with drag brake
(Factory default mode setting: Forward/Brake/Reverse)

2. Factory default battery setting: Li-po

04 Protection Features

1. Battery Protection: when ESC detect the battery level lower then the preset value. It enters protection mode(normally there two steps of protection. First is lower the power output. Second is cutoff the power)
2. Temperature protection: when internal temperature higher than 100°c. It will lower the motor output to prevent the car suddenly stop. LED flashing. It recover to normal when temperature below 80°c when boat mode is selected. The power will be cut to half when voltage low level. LED flashing rapidly. Please drive back to the shore as soon as you can

| 1s Lipo | 2s Lipo | 3s Lipo | 5-9 cells Nimh |
|--|---|---|--|
| voltage drop to 3.2v. LED flash rapidly. power cut off | voltage drop to 6.5v. LED flash rapidly, power cut to half, when drop to 6v, LED flash slowly power cut off | voltage drop to 9.5v. LED flash rapidly, power cut to half. when drop to 9.0v, LED flash slowly power cut off | voltage drop to 4.5v, power cut to half, when drop to 4.0v power cut |