

TS 160A Electronic Speed Controller (SK300064)

Toro TS160 SENSORED ESC

TORO TS160 is designed for 1/10th cars. It runs on 2S to 3S LiPo batteries and has a built-in BEC with 5A and 6.0V/7.4V selectable voltage output. And it comes with internal power capacitors, high speed fan and built-in power switch.

In terms of software, TS160 offers an advanced firmware for smoother throttle control. It can be programmed by program box, SKYLINK software and even your smart phone via Wi-Fi module.



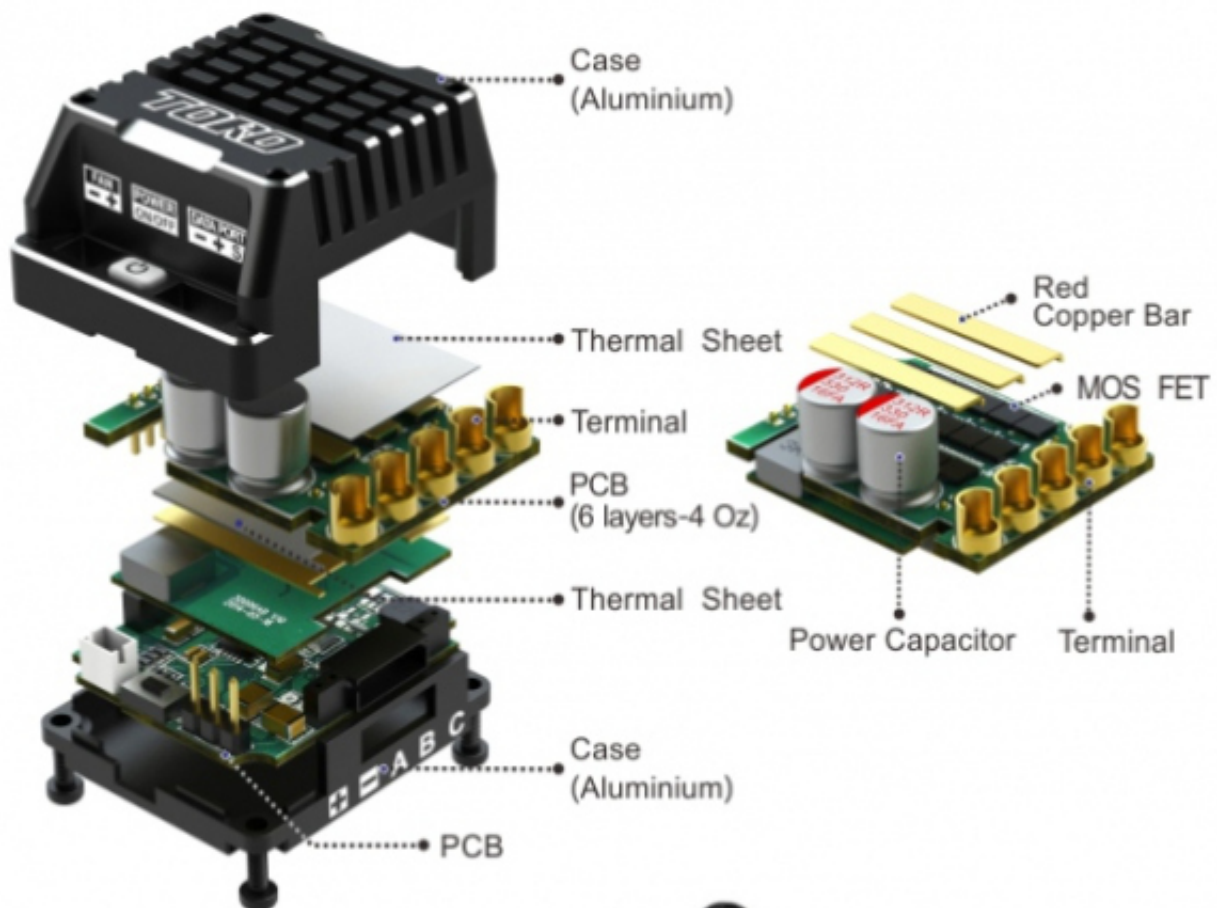
Features

- Compact design for easy location.
- Aluminum case for better heat dissipation.
- Built in power switch for saving space and reliable operation.
- Built in capacitor.
- Advanced boost and turbo timing system for improving acceleration performance.
- Well-performed throttle and brake control function.
- 10 sets of profiles stored in the ESC for easy calling out.
- Adjustable BEC: 5A and 6.0V/7.4V selectable voltage .
- Powerful Skylink software which can test motor timing and advise the ESC timing setting.

Compact Design



Less Resistance, Less Heat, More Effective



Safety Features

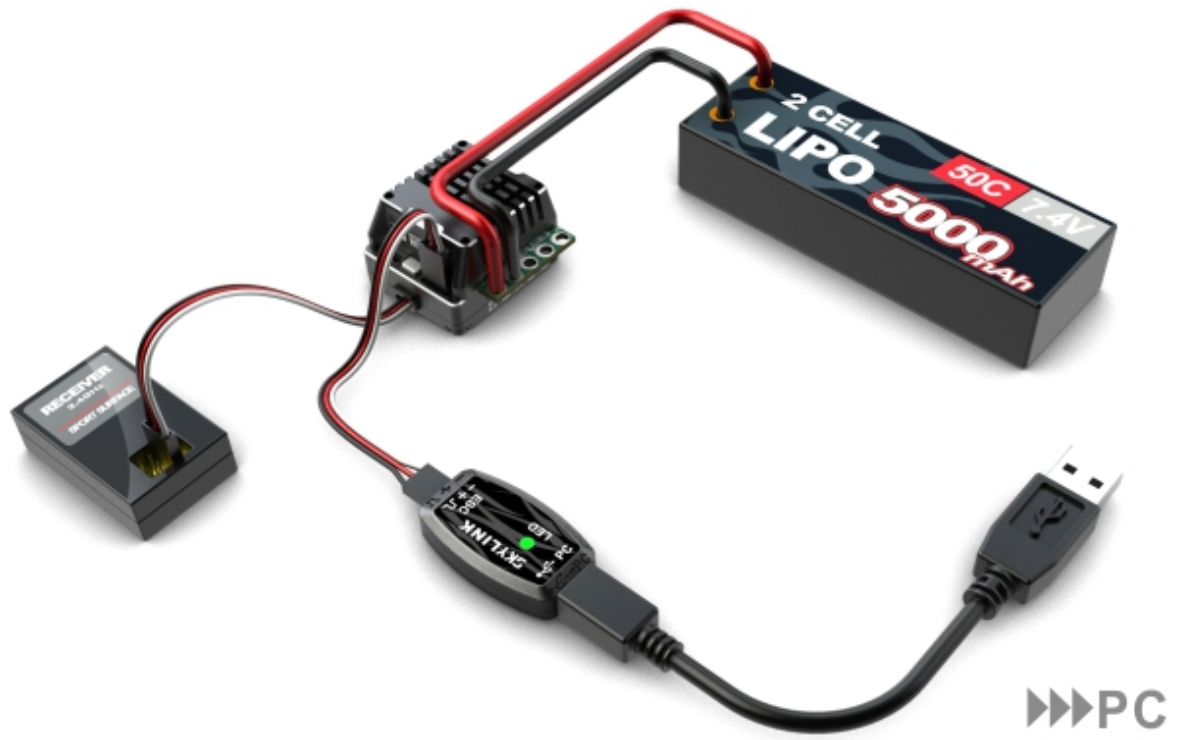


Low voltage protection
Motor and ESC overheat protection
Signal lost protection

Programming Methods

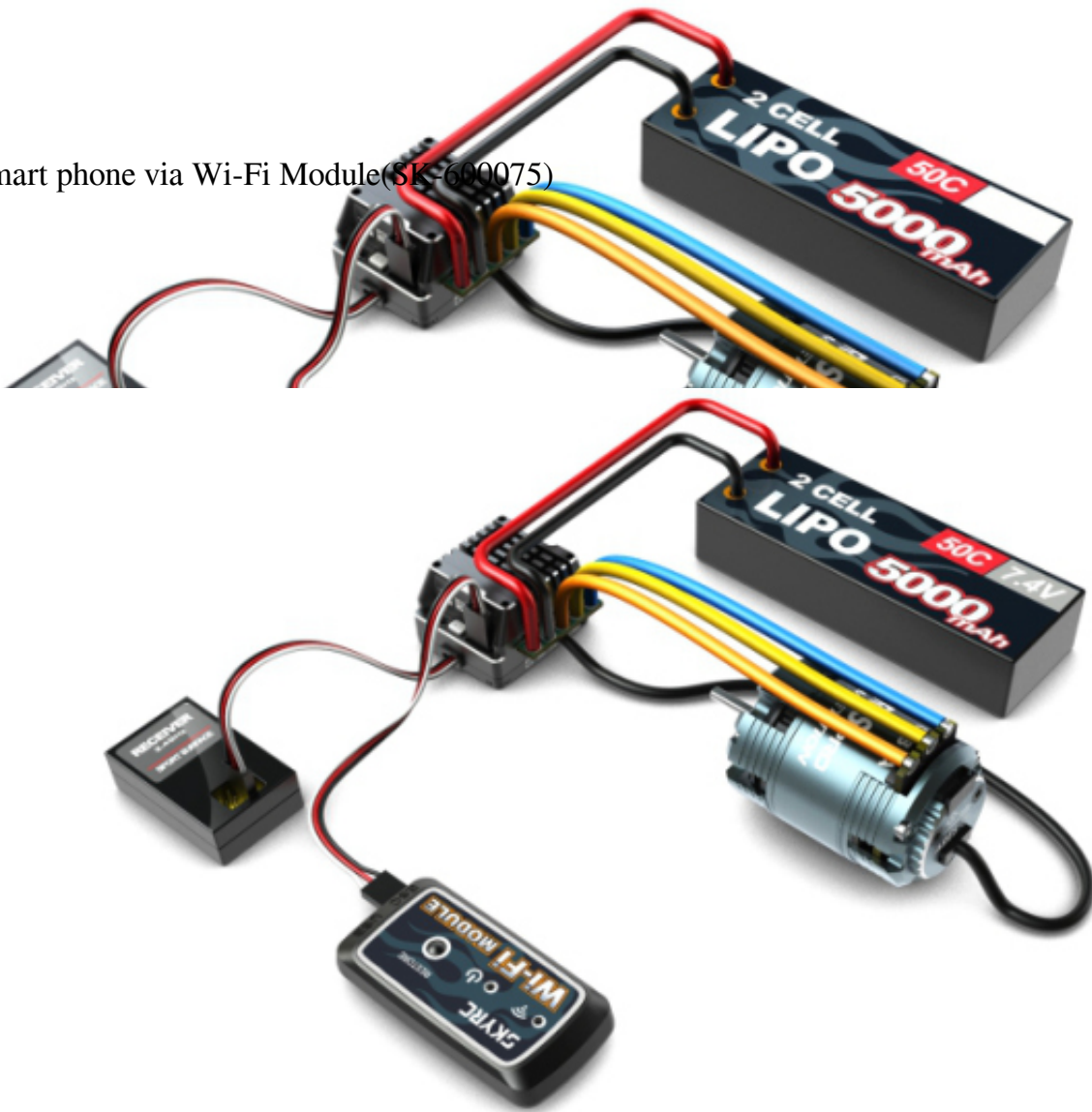
The ESC can be programmed with:

1. PC connected with SKYLINK (SK600013)



2. PROGBOX (SK600046)

3. Smart phone via Wi-Fi Module(SK-600075)



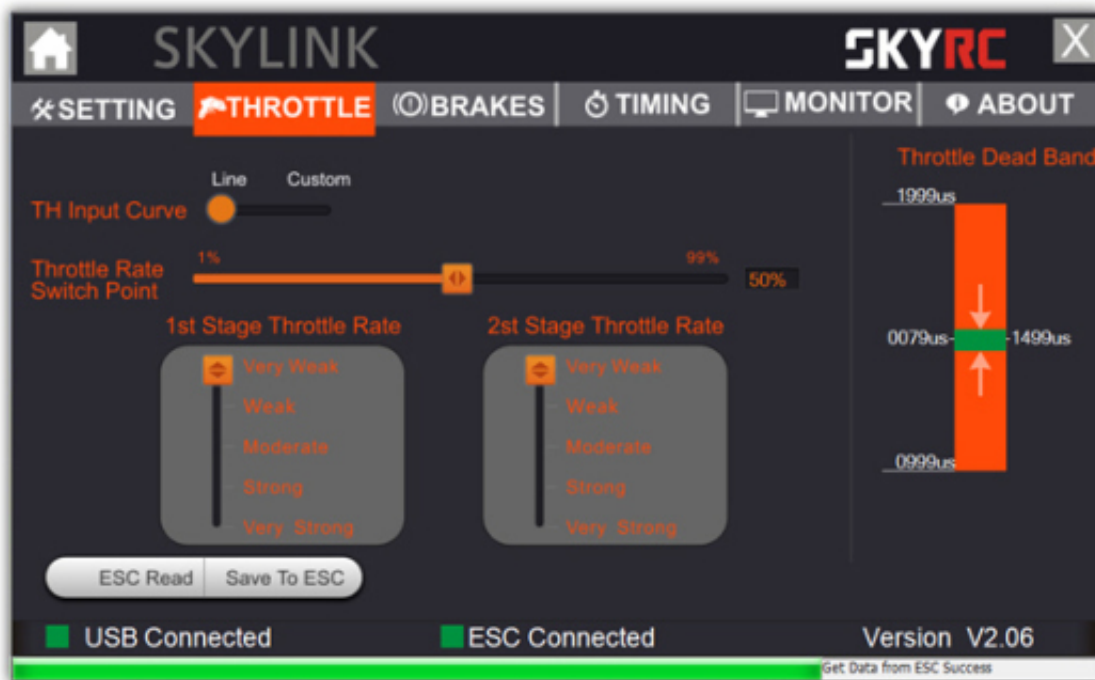
10 User Modifiable Profiles

The users could set and store 10 sets of profiles in the ESC. These data could be called out at any time without any special program setting. All the setting can be exported or imported so that the user could compare and analyze.

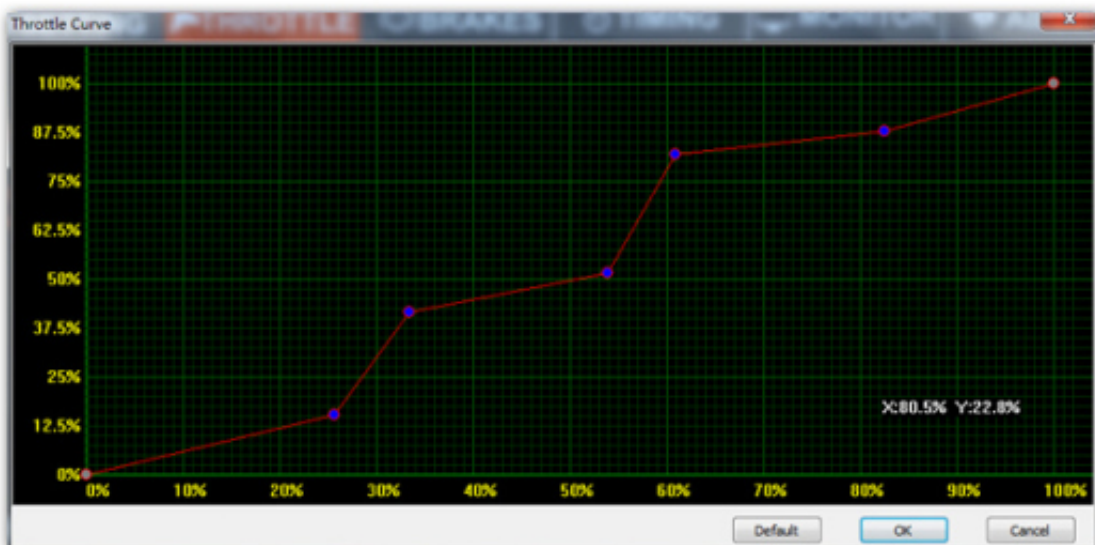


Well-performed Throttle and Brake Control Function:

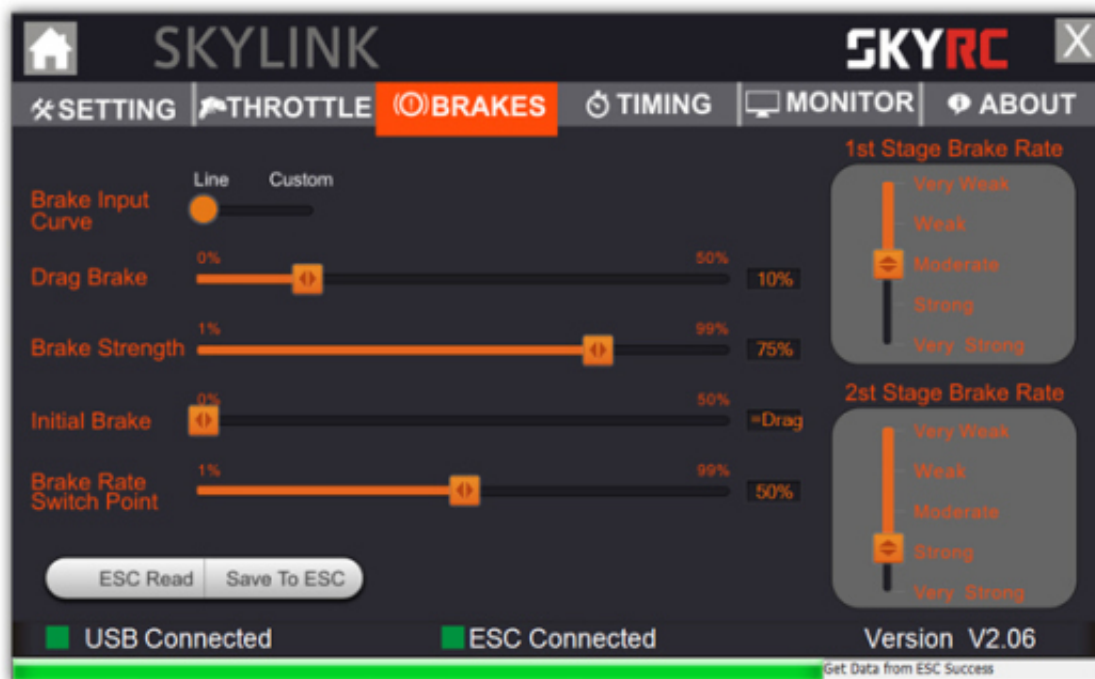
Users could set the punch/brake control rate by point or custom the throttle/brake curve by themselves, and different customers' request for Line and power all can be met.



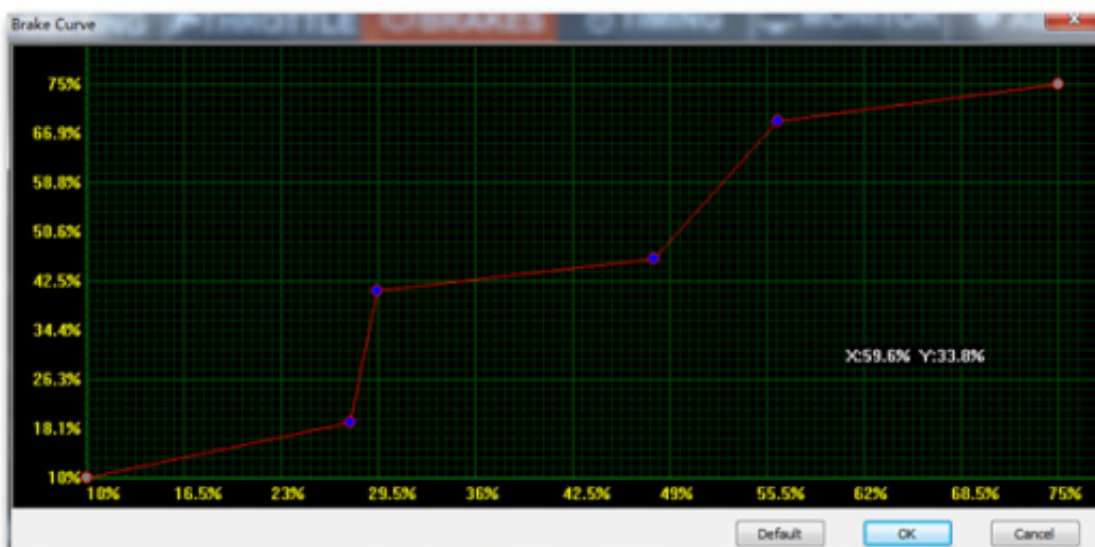
Throttle Control Setting



Throttle Curve Custom



Brake Control Setting

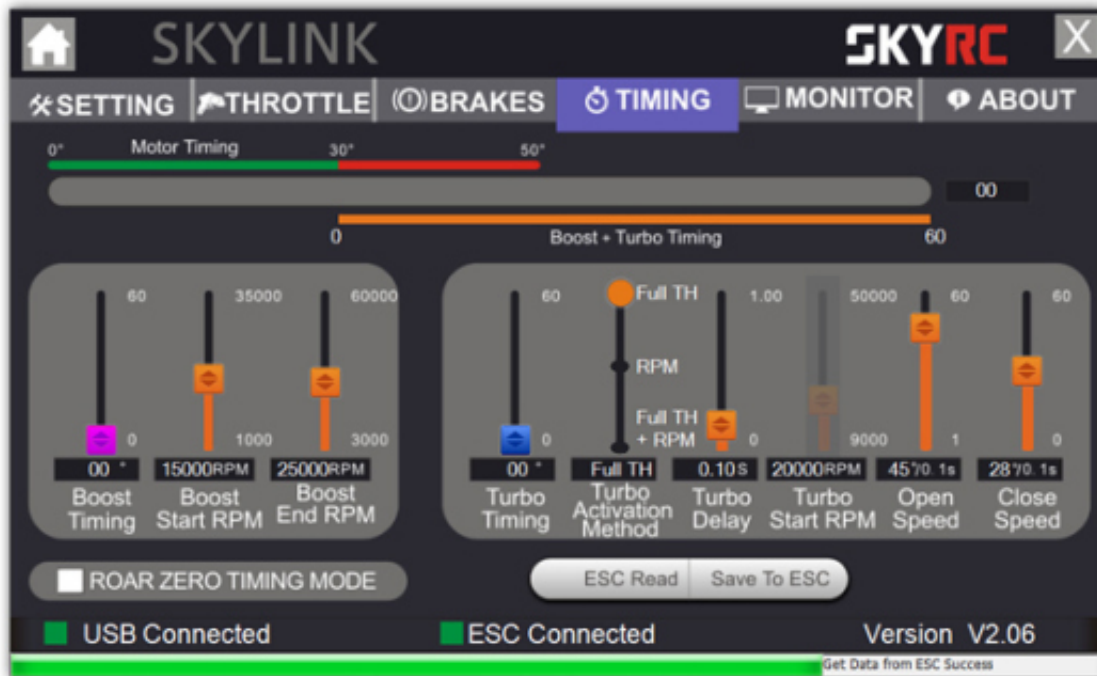


Brake Curve Custom

Precise Programmable Items:

Advanced Timing System

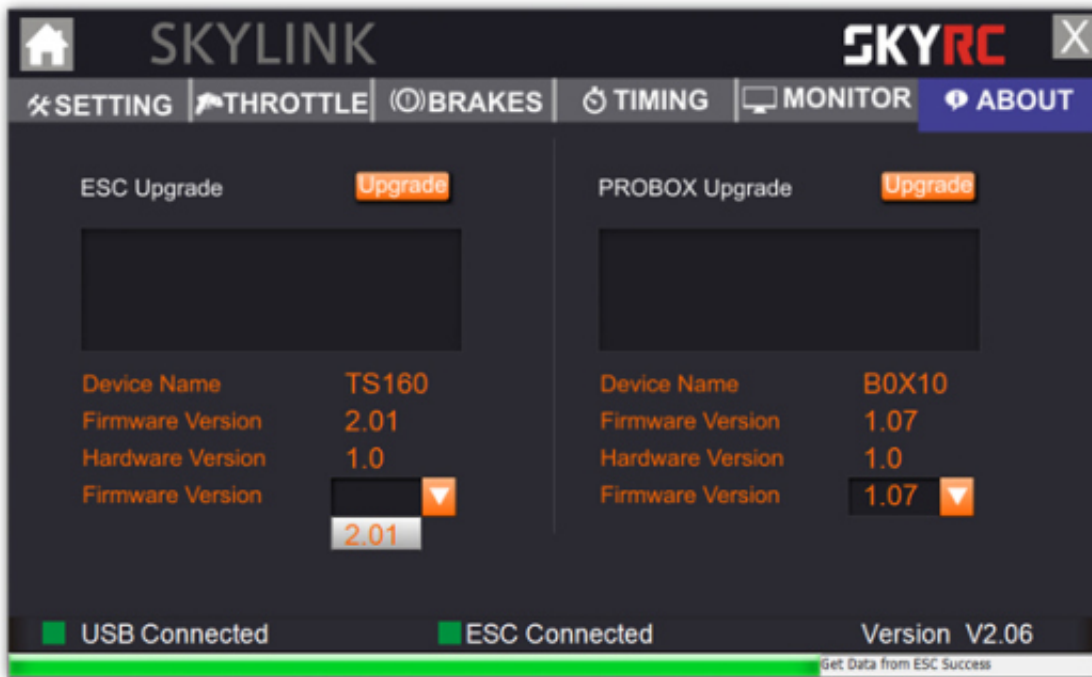
Users could set the turbo and boost timing which can improve the motor RPM to get its best performance.



Boost Timing /Turbo Timing Setting

Firmware Update

The firmware can be updated by connecting the ESC with PC or smart phone.



TECHNICAL DATA

Constant/Burst Current	150A / 600A
Motors	Sensor & Sensorless Brushless Motors
Cars	1/10, 1/12 all competitions; 1/10 and 1/8 Crawlers
Motor Limits	2S Lipo or 4-6S NiMH $\geq 3.5T$ (1/10 on-road), $\geq 5.5T$ (1/10 off-road) 3S Lipo or 7-9S NiMH $\geq 5.5T$ (1/10 on-road), $\geq 8.5T$ (1/10 off-road)
Resistance	0.00018 Ohm
Battery Cell Count	4-9S NiMH or 2-3S LiPo
BEC Output	6V/7,4V @ 5A (Switch)
Weight	45g (w/o Wire)
Dimensions (LxWxH)	35,6 x 30,6 x 22,5mm
FAN	8V@0.2A , MAX 12.6V

DOWNLOADS

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[SkyRC Toro TS160A \[SK300064\] Manual \(5.4 MiB\)](#)

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[SKYRC_USBLink-V2.08_Software.rar \(3.2 MiB\)](#)