SC 120A Electronic Speed Controller (SK-300052-01)



SC120A Advanced Timing System

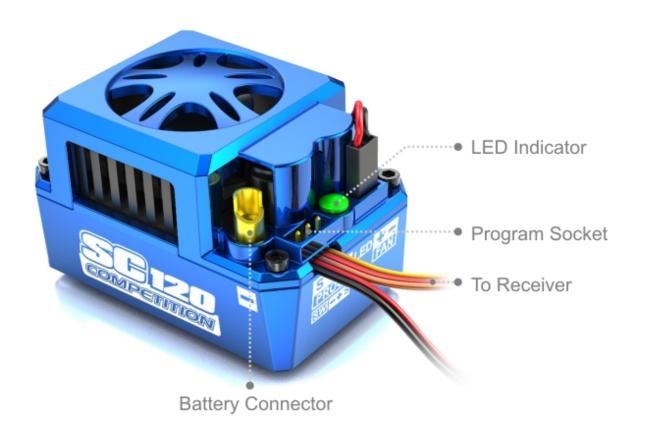
The Toro SC120 brushless ESC is a sensored speed control specifically designed to meet the rigors of short course racing. The built-in switching mode BEC has a powerful output to supply all electronic equipments even with 4S Lipo input.

It comes with 3 running models and 9 start models from' soft' to Very aggressive' to suitable for different tracks, also comes with multiple protection features: Low voltage cut-off protection for lithium or nickel battery / Over-heat protection / Throttle signal loss protection / Motor blocked protection. The ESC firmware is updatable via an USB adapter.

It is easily programmed via the Advanced LCD Program Box and the major electronic

Compact Design







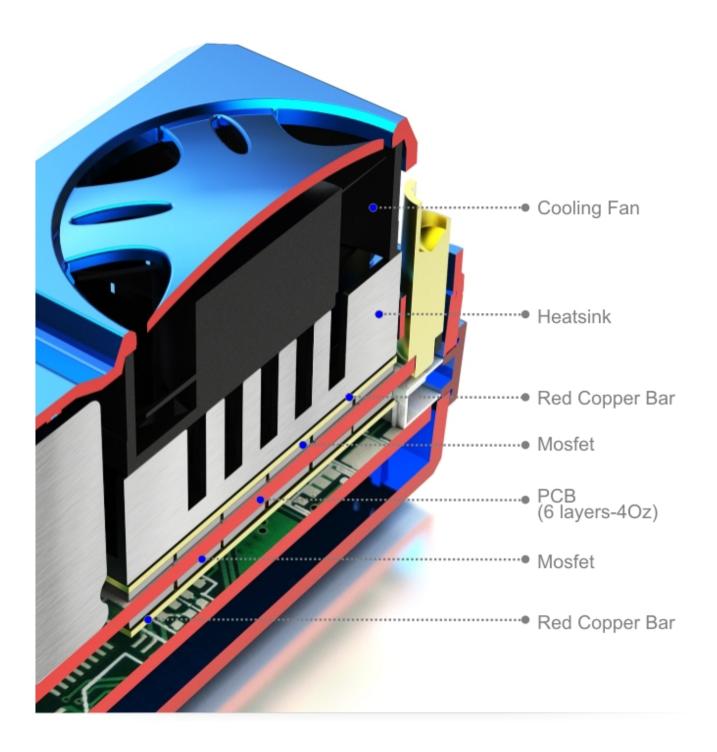
Electronic Power Switch

A simple push button operates the switch meaning to eliminate the problems associated with intermittent contact of an ordinary mechanical switch.



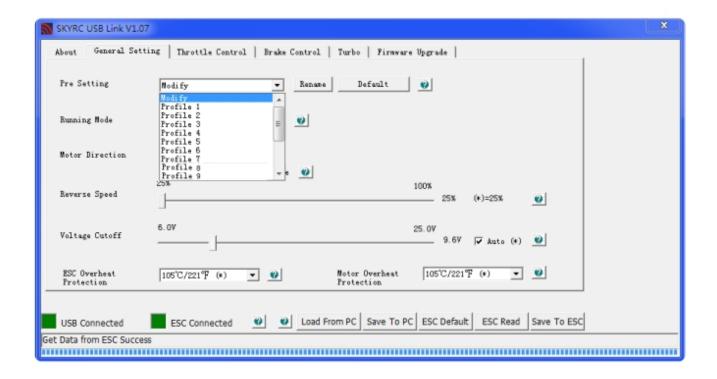


Less Resistance, Less Heat, More Efficiency

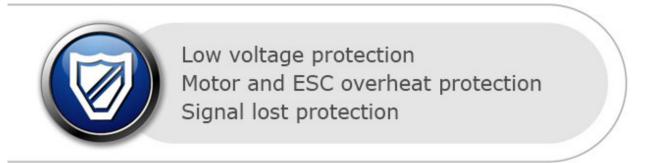


10 User Modifiable Profiles

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.

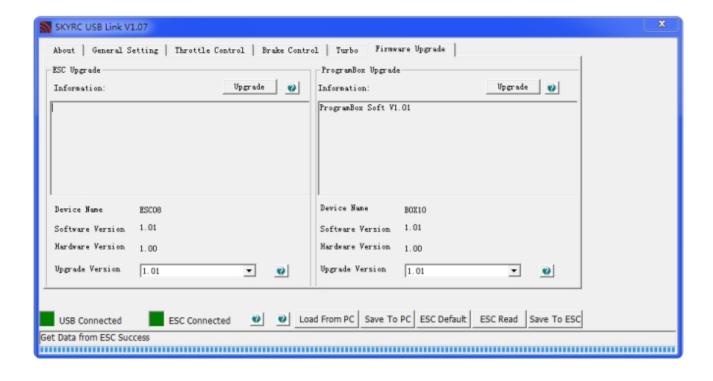


Safety Features



Firmware Update

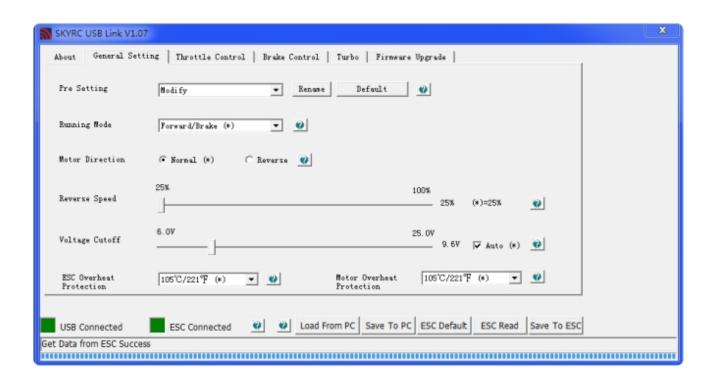
The firmware can be updated by connecting the ESC to a PC or a smart phone.

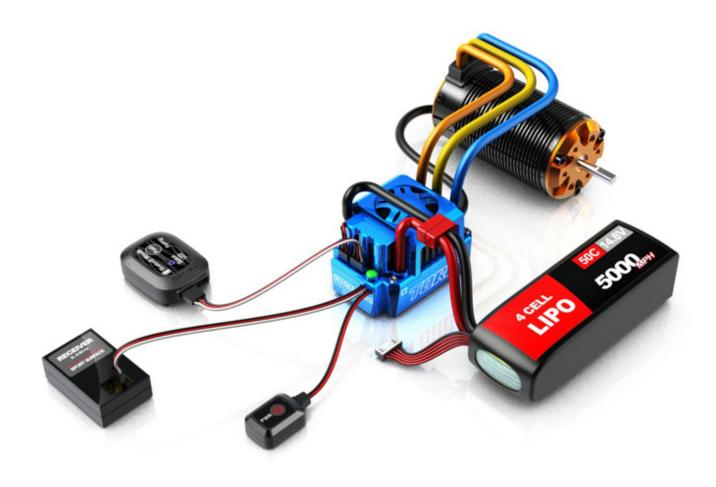


Programming Methods

The ESC can be programmed with a PC connected with SKYLINK (SK-600013)





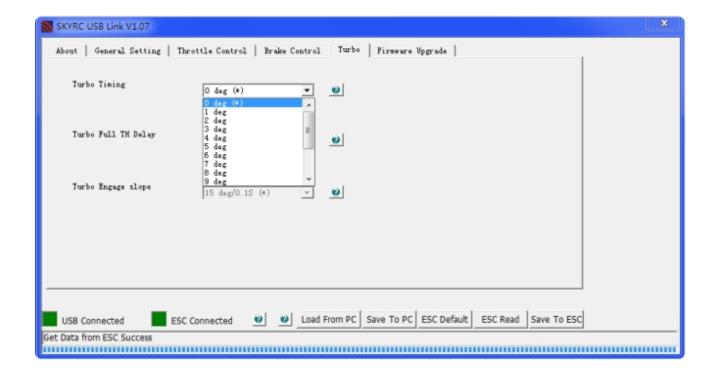


The ESC can be programmed with the PROGBOX (SK-600046)



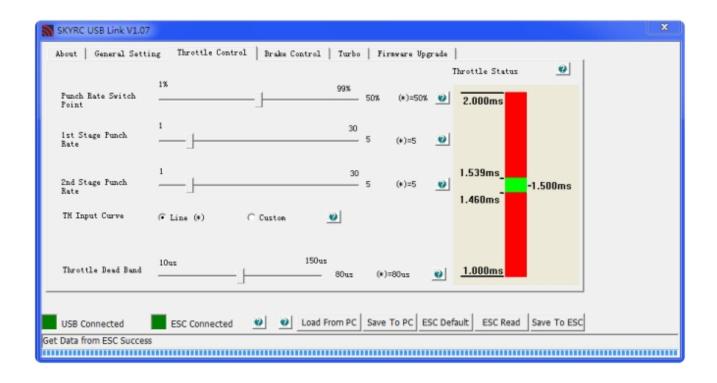
Precise Programmable Items

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

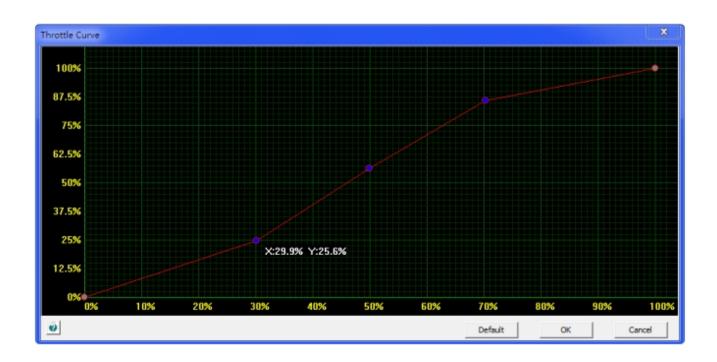


Well-performed Throttle and Brake Control Function

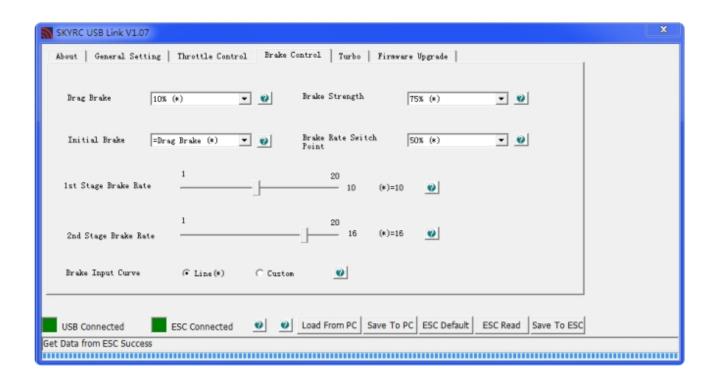
Users could set the punch/brake control rate by point or customize the throttle/brake curve by themselves, and different customers' request for linear and power all can be met.



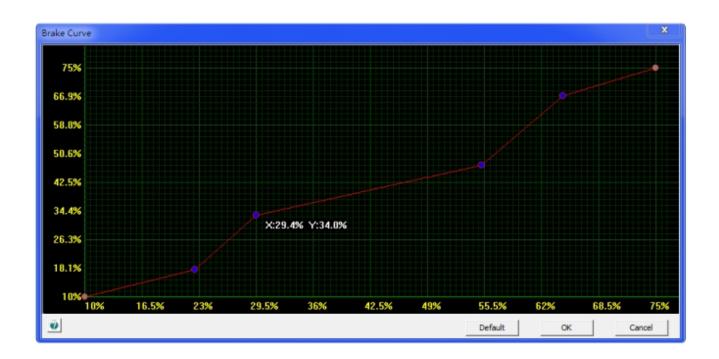
Throttle Control Setting



Throttle Curve Custom



Brake Control Setting



Brake Curve Custom

TECHNISCHE DATEN

Constant/Burst Current 120A / 760A

Motors Sensor & Sensorless Brushless Motors

Cars 1/10 Short Course or Monster, 1/8 Short Course or

Buggy

Motor Limits 6S NiMH or 2S LiPo: ≤6000KV

7-9S NiMH or 3S LiPo: ≤4000KV 10-12S NiMH or 4S LiPo: ≤3000KV

Resistance 0.0003 Ohm

Battery Cell Count 6-12S NiMH or 2-4S LiPo

BEC Output 6V 3A, Switched

Fan 6V 0.2A

Weight 76g (without wires)
Dimensions (LxWxH) 57x38x35mm

DOWNLOADS

- **SkyRC** Toro SC 120A [SK300052] Manual (974.5 KB)
- SkyRC UsbLink V1.07.zip (1.1 MB)