#### SC 150A Electronic Speed Controller (SK-300045-01)



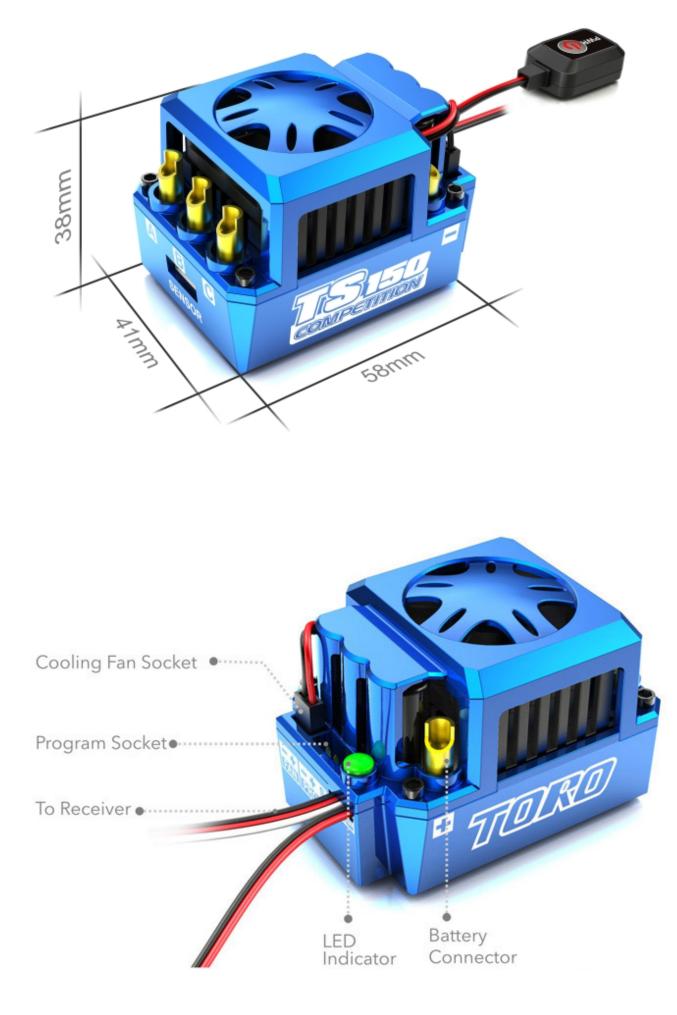
# SC150A Advanced Timing System

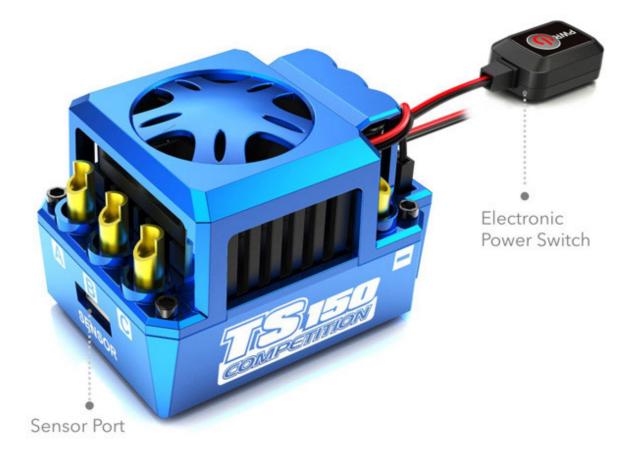
Toro TS150 150A ESC is big power in a small package, intending for 1/8th buggies, truggies and monster trucks running up to 6S LiPo. The innovative new case allows for fan changes and built-in 6V/5A BEC.

Leading the industry not only in power handing ability but also size and features with Throttle Control, Drag Brake, Custom Brake Input Curve,Voltage Cutoff for LiPo, ESC and Motor Overheat Protection and much more.

As always, Toro TS150 150A ESC offers industry-leading software and firmware update functions and can be programmed by SkyLink via PC, Program Box and even your smart phone.

# Compact Design





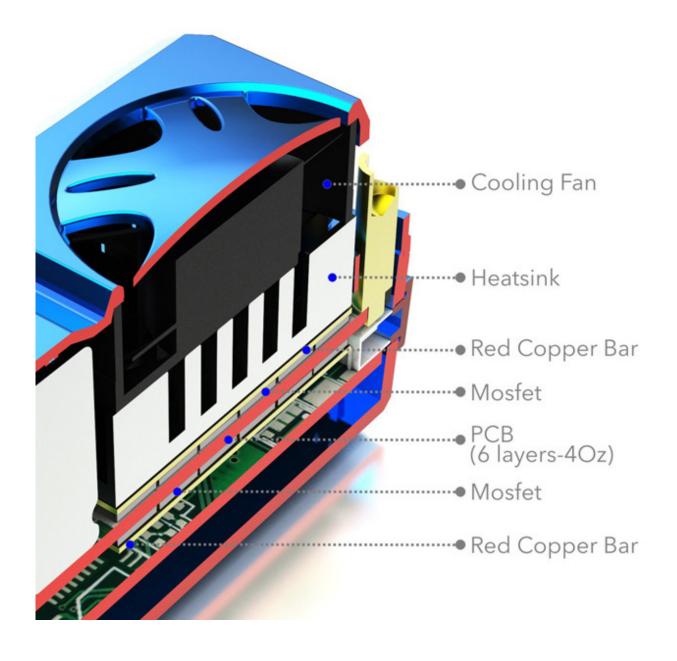
#### **Electronic Power Switch**

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

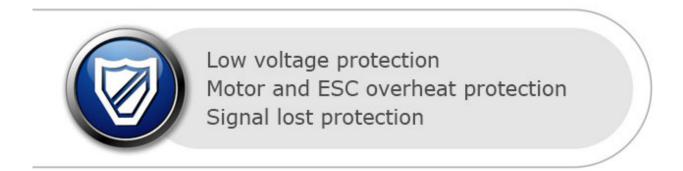


# **10 User Modifiable Profiles**

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.

utl CSL 3G	15:53	\$ 92% KM
GeneralSetting	ESC Default ESC Read	Apply
	Profile Modify Profile1	Default >
ThrottleControl	Running Mode Profile3 Profile4	ard/Brake >
BrakeControl	Overhead Protection Profile5 Profile7 Profile8	· · · · ·
Turbo	Reverse Speed 259 Profile9	100% 25 %
	Voltage Cutoff 6.0V	25.0V 9.6 V
Upgrate	Motor Direction	l Reverse

### **Safety Features**



# **Firmware Update**

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

	util CSL 3G	15:53		≭ 92% ແ⊅	
D	GeneralSetting	ESC Default	ESC Read	Apply	
	ThrottleControl	Information	>>	Upgrate	6
	BrakeControl				_
	Turbo	Device Type: ware Version: Hardware Version:	CAR_ESC V3.0 V2.5		
	Upgrate	Upgrate Version:	V4.0	•	

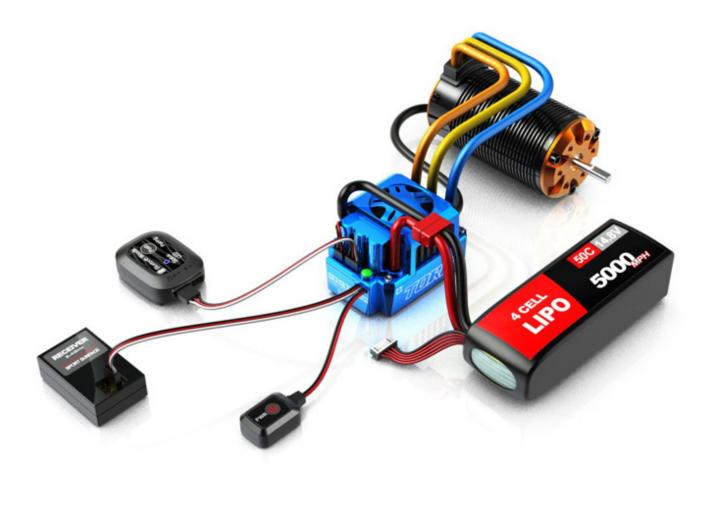
# **Programming Methods**

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

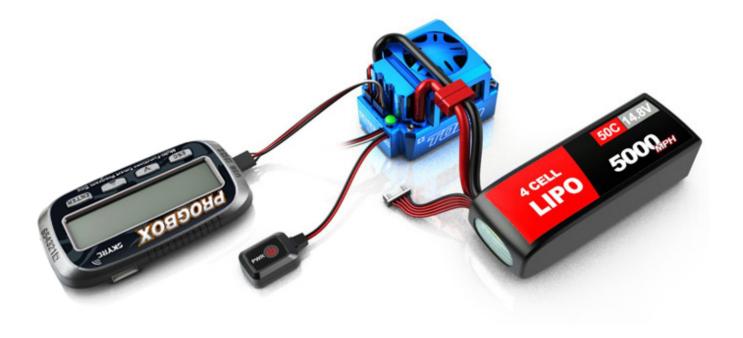


SKYRC USB Link V1.07	x
About General Setting Throttle Control   Brake Control   Turbo   Firmware Upgrade	
Pre Setting Modify Rename Default	
Running Node Forward/Brake (*)	
Motor Direction (* Normal (*) (* Reverse 🕑	
25% 100% Reverse Speed 25% (*)=25%	
Voltage Cutoff 6.0V 25.0V 9.6V 🖓 Auto (*)	
ESC Overheat Protection 105°C/221°F (*) • • • Protection 105°C/221°F (*) • •	
USB Connected ESC Connected 2 2 Load From PC Save To PC ESC Default ESC Read Save To ESC	
Get Data from ESC Success	

The ESC can be programmed with a smart phone via Bluetooth Module (SK-600058)



#### 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.

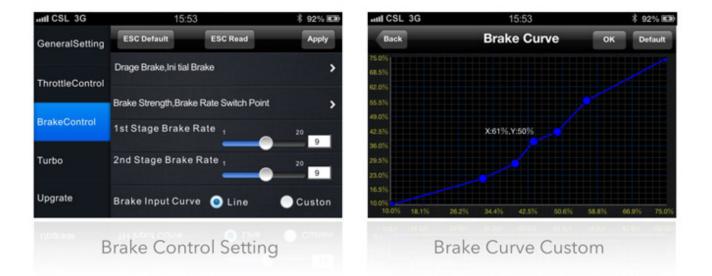


Turbo Setting

### 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.





#### TECHNISCHE DATEN

Constant/Burst Current Motors Cars Motor Limits

Resistance Battery Cell Count BEC Output Fan Weight Dimensions (LxWxH) 150A / 950A Sensor & Sensorless Brushless Motors 1/8 Buggy, Truck & Monster 2-4S LiPo: ≤3000KV, 2-6 Poles 5-6S LiPo: ≤2400KV, 2-4 Poles 0.0002 Ohm 6-19S NiMH or 2-6S LiPo 6V 5A, Switched 6V 0.3A 95g (without wires) 58x41x38mm

#### DOWNLOADS

.

SkyRC Toro TS150A [SK300045] Manual (768.4 KB)

SkyRC UsbLink V1.07.zip (1.1 MB)