

QUICK START GUIDE

1. Solder a high quality battery connector to the ESC.
2. Mount the ESC and motor into the car.
3. Connect the 3 motor wires in to the ESC.
4. Connect the ESC Rx lead to CH2 on your receiver.
5. Make sure the ESC's switch is off.
6. Connect a battery.
7. Calibrate your ESC to your radio by holding full throttle on your transmitter then turn the switch ON.
8. After a few seconds you'll hear multiple tones and the red LED will come on.
9. Now hold full brake and after a few seconds you'll hear multiple tones and the yellow LED will come on.
10. Now relax to neutral and after a few seconds you'll hear multiple tones and ALL the LEDs will light up.
11. A few seconds later the ESC will arm with a double tone and you're ready to go!



SIDEWINDER ESC AND NEU-CASTLE 1410 3800 KV MOTOR VITAL INFORMATION

RECOMMENDED APPLICATIONS:

Sidewinder SCT is recommended for all SCT 2WD and 4WD applications that weigh less than 6.5 lbs (3kg).

Do not use this motor or controller in heavier vehicles.

BATTERY CHOICE

Max cells for an SCT application: 2s LiPo (8.4 volts) or 7 cell NiCad/NiMh. The SCT combo is a high performance system, you must use high discharge cells!

Note: The Sidewinder SCT and 1410 3800 KV motor may be run on up to 3S (12.6 volts) in lighter vehicles. Monitor motor, battery, and controller temps carefully. Never let the motor get above 200°F. If you can't touch the motor for 2 seconds, it's too hot.

OTHER MOTORS

If you choose to use this controller with other motors in an SCT application the motor must have a Kv (RPMs per volt) that is the same or lower than 3800 kv, and the motor must be run within motor manufacturer's specs. Monitor motor, battery, and controller temps carefully.

The Sidewinder SCT can run in brushed or brushless motor modes. Please see the manual for details on the wiring required to run in BRUSHED modes.

GEARING

Always start with the stock gearing. If you wish to change the gearing, you must check your motor temperature frequently on the first run after changing the gearing, motor or battery! Never let the motor get above 200°F. If you can't touch the motor for 2 seconds, it's too hot.

If the motor gets too hot, reduce the pinion size, increase the spur size, or reduce the pack voltage.

PROGRAMMING

The Sidewinder SCT ESC is programmable via your transmitter, and many more programmable features may be accessed using your Windows PC and a Castle Link USB adapter or a Field Link card (not included.) See the Drivers' Ed Guide for more details on transmitter programming and the Castle Link software for the latest features from the Castle engineering team.



WATERPROOF

Sidewinder SCT is not intended for operation while submerged in liquid. If unit is operated in wet conditions, rinse with fresh water to remove dirt or corrosives, then fully dry unit.