

# QUICK START GUIDE

## Install ESC and motor in your vehicle.

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 to the ESC.
4. Connect the ESC Rx lead to CH2 on your receiver.
5. Make sure the ESC's switch is off.

## You MUST Calibrate this ESC to your radio before your first run.

1. Connect a battery.
2. Turn on your transmitter and hold full throttle.
3. While holding full throttle on your transmitter, turn the ESC switch ON. After a few seconds you'll hear multiple tones and the ESC's red LED will light.
4. Now hold full brake on the transmitter. After a few seconds you'll hear multiple tones and the ESC's yellow LED will light.
5. Now relax throttle to neutral. After a few seconds you'll hear multiple tones and ALL the LEDs will light.
6. A few seconds later the ESC will arm with a double tone and you're ready to go!



# SIDEWINDER 3 VITAL INFORMATION

Sidewinder 3 is recommended for all 1/10 buggy and truggy applications that weigh less than 5lbs (2.25kg) ready to run. Do not use controller in heavier vehicles such as eRevos or eMaxx class vehicles.

## BATTERY CHOICE

Sidewinder 3 can handle a maximum of 3s LiPo or 9 cell NiCad/NiMh. The motor in your combo has a separate rating. **Always use the lower of the motor or the controller's ratings.**

CONTROLLER	MOTOR	MAX CELLS
SIDEWINDER 3	4600	3S LiPo / 10NiXX
	5700	3S LiPo / 10NiXX
	6900	2S LiPo / 7NiXX
	7700	2S LiPo / 7NiXX

**The Sidewinder 3 system is a high performance system; you must use high discharge cells!**

## MOTOR CHOICE

Castle recommends Sidewinder 3 for use with our 14xx series NeuCastle motors. If you choose to use another motor, you must monitor the motor,

battery, and controller temperatures carefully. Never let the motor get above 200°F.

## GEARING

Always start with the stock gearing. If you change any part of the setup, such as the gearing, motor or battery, you must check your motor temperature frequently on the initial runs. 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

Sidewinder 3 is programmable via your transmitter. There are also many more programmable features that 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 3 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.