

QUICK START GUIDE

IMPORTANT: You must calibrate the ESC to your radio!

1. Install the ESC

- Solder a high quality battery connector to the ESC. Mount the ESC and motor into the vehicle
- Plug in the 3 motor wires to the ESC
- Plug in the ESC Rx lead to CH2 on your receiver

2. Calibrate the radio transmitter

- Hold full throttle on your transmitter
- Plug in a battery
- After a few seconds you'll hear multiple tones and the red LED will come on
- Now hold full brake and after a few seconds you'll hear multiple tones and the yellow LED will come on
- Now relax to neutral and after a few seconds you'll hear multiple tones and ALL the LEDs will light up.
- A few seconds later the ESC will arm with a double tone and you're ready to go!



CARE AND FEEDING OF YOUR SIDEWINDER 8TH:

Limits: Sidewinder 8th is incredibly powerful, but know his limits. 6S (25.2 volts) is the max input voltage, and Sidewinder 8th should only be used on vehicles weighing in at 11lbs or less.

BEC: Sidewinder 8th has an 8A peak BEC with a set output voltage of 5.5V.

Connectors: Please only use high-quality connectors such as Polarized Castle Connectors (for more info visit www.castlecreations.com/castleconnectors), Deans®, or Traxxas® TRX® connectors to connect this ESC to your batteries.

Batteries: Sidewinder 8th needs lots of power. You must only use batteries that are capable of delivering bursts of more than 125 amps and which can sustain continuous outputs of 90 amps or more. Anything less will only lead to a frustrating ride with your Sidewinder 8th.

Expect to upgrade your vehicle's drive system. You can always wait until Sidewinder 8th shreds the parts, but then you'll be stuck at the track with no ride. That's no fun.

Sidewinder 8th powered systems are capable of producing incredibly high power. That means the vehicles can go stupidly fast. Please never point a Sidewinder 8th powered vehicle at anyone and always stay clear of the tires!

CASTLE LINK

Your Sidewinder 8th is ready to run right out of the box. However, you may find that you'd like to change advanced settings such as throttle or braking curves. You can do all of these things with the Castle Link USB Adapter (sold separately) and your Windows PC (not included).

Please visit www.castlecreations.com/downloads to download the latest version of the Castle Link software.

DO THE MATH!

Not all LiPos are created equal, and surge ratings should never be used to determine a pack's suitability for a brushless application. **Use the CONTINUOUS C rating only.**

Using insufficient battery packs WILL shorten the life of this controller.

Sidewinder 8th setups frequently hit 125+ amps in peaks. We strongly suggest using 5,000 mAh or larger LiPo cells with a discharge rating of at least 30C (or high quality 25C batteries such as Traxxas® Power Cells®). Our experience suggests using only mild gear ratios with NiMH cells. Do not attempt to use NiMH cells in extreme setups.

SIDEWINDER 8TH ERROR CODES	
GREEN/YELLOW FLASHING	ESC input voltage is below the operating limit (drained battery)
RED/YELLOW/GREEN FLASHING	Sudden and extreme rise in temperature (possibly over-gear)
RED/YELLOW FLASHING	ESC temperature above the operating limit (possibly over-gear)
RED/GREEN FLASHING	BEC temperature above the operating limit (possibly damaged servo)
RED/YELLOW/GREEN FLASHING AND BEEPING	ESC is not detecting a valid signal from the receiver



Waterproof: The Sidewinder 8th ESC is resistant to water, but it is not intended for continuous operation while submerged. If the ESC is operated in wet conditions, rinse with fresh water to remove dirt or corrosives and then fully dry the ESC. The ESC fan is not water resistant. Remove the fan from ESC before exposing the vehicle to liquids. Always check to see that the rest of the components in your vehicle can withstand getting wet.

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