

ABOUT THE SIDEWINDER 4

Motors	Please note that while Sidewinder 4 is capable of handling incredible amounts of power, your motor must also be up for the task. Always run your motor within the manufacturer's specs. Monitor motor, battery, and controller temps carefully and never let the motor get above 100° C (212°F). Excessive heat in the motor can damage the motor, the Sidewinder 4 and your batteries.
Gearing	Always start with stock gearing. If you wish to change the gearing, motor, or battery, you must check your motor temperature frequently on the first run. If the motor gets too hot, reduce the pinion size, increase the spur size, or reduce the pack voltage. Additional information about gearing can be found in the Gearing Chart enclosed or available online at www.castlecreations.com/GearingChart
Programming	Sidewinder 4 is programmable via your transmitter, Windows® based PC and a Castle Link USB adapter or a Field Link card (purchased separately). See the Drivers' Ed Guide at www.castlecreations.com/SW4DEG for more instructions on transmitter programming and the Castle Link system ("Transmitter Programming", and "Tuning with Castle Link").



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QUICK START GUIDE



OVERPOWERING RC SINCE 1997

castle

SIDEWINDER 4 SPECIFICATIONS

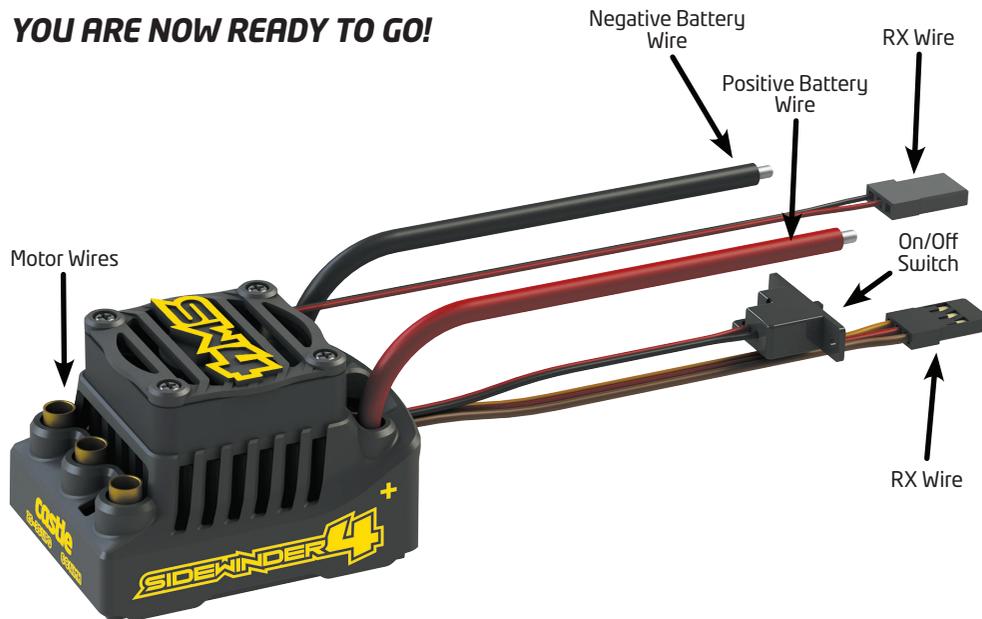
Application Guidelines	1:10 scale RC hobby vehicles weighing up to 6.5 lbs
Input Voltage Range	Min: 2S LiPo, Max: 3S LiPo, 6-8 NiMH
BEC Specifications	5.0 volts fixed, 2 amps
Product Use Statement*	<ul style="list-style-type: none"> •Applying voltages higher than 12.6V will cause irreparable damage to your controller, voiding the warranty. •Recommended battery capacity for 1:10 scale vehicles is 5000mAh or larger. We recommend using 30C continuous discharge or higher LiPo batteries (or high quality 25C batteries such as Traxxas® Power Cell). •The Sidewinder 4 has 4mm motor bullet connectors and the battery input wires are bare. You must add the connector of your choice to the battery leads. We recommend a high quality connector rated for at least 40 amps.

*Failure to adhere to the Product Use Statement constitutes a violation of the warranty agreement, and will result in non-warranty service fees to repair or replace damaged products.

GETTING STARTED

1. Solder a high quality battery connector to the ESC (see Driver's Ed Guide, "Connectors and Power Wiring").
2. Mount the ESC and motor into the vehicle.
3. Connect motor to the ESC (see Driver's Ed Guide, "Motor Wiring")
4. Plug the RX wire into the throttle (#2) channel on your receiver.
5. Plug Fan Rx wire into the Aux channel or another open channel on your receiver.
6. Calibrate your ESC to your radio (see Driver's Ed Guide, "How to Calibrate the ESC")

YOU ARE NOW READY TO GO!



THROTTLE CALIBRATION

1. Radio on, battery plugged in, ESC off.
2. Hold full throttle, turn ESC on (green LED).
3. When red LED flashes, go to full reverse.
4. When yellow LED flashes, go to neutral.
5. Armed and ready!

DRIVER'S ED GUIDE

For more detailed information regarding Getting Started, Throttle Calibration, using Castle Link or Manual Programming, please read the Driver's Ed Guide by visiting www.castlecreations.com/SW4DEG. You can also use your smart device's camera and this QR code to open the link.



MANUAL TRANSMITTER PROGRAMMING REFERENCE

1. Brake/Reverse Type

- Option 1: With Reverse*
- Option 2: Without Reverse
- Option 3: Crawler Reverse

2. Voltage Cutoff

- Option 1: Auto-Lipo*
- Option 2: None

3. Brake Amount

- Option 1: 25%
- Option 2: 50%*
- Option 3: 75%
- Option 4: 100%

4. Drag Brake

- Option 1: Disabled*
- Option 2: 5%
- Option 3: 10%
- Option 4: 15%
- Option 5: Crawler Full On

5. Motor Type

- Option 1: Brushless*
- Option 2: Brushed Reversing

6. Motor Direction

- Option 1: Forward*
- Option 2: Reverse

*Default Setting

AUDIBLE ALERT REFERENCE

• •	Start Fail
• -	Voltage Cutoff
• • -	Radio Glitch
• - •	Over-Temperature
- •	Over-Current
• - -	Excessive Load