



# castle creations CSE010016500 Mamba Monster X 8S Speed Controller User Guide

[Home](#) » [castle creations](#) » castle creations CSE010016500 Mamba Monster X 8S Speed Controller User Guide

castle creations CSE010016500 Mamba Monster X 8S Speed Controller User Guide



## Contents [ [hide](#) ]

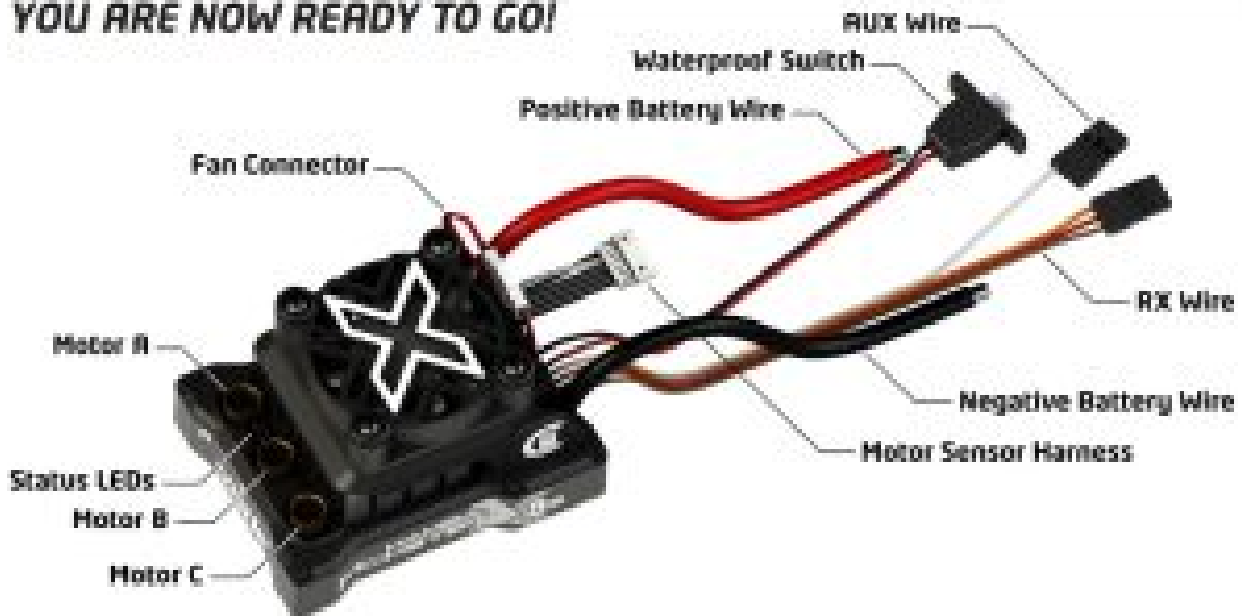
- [1 GETTING STARTED](#)
- [2 THROTTLE CALIBRATION](#)
- [3 DRIVER'S ED GUIDE](#)
- [4 RECEIVER CONNECTION](#)
- [5 TRANSMITTER PROGRAMMING](#)
- [REFERENCE](#)
- [6 AUDIBLE ALERT REFERENCE](#)
- [7 ABOUT THE MAMBA MONSTER X 8S](#)
- [8 Documents / Resources](#)
  - [8.1 References](#)
- [9 Related Posts](#)

## 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 in the RX wire into throttle (#2) and AUX wire into auxillary (#3/#4).

**YOU ARE NOW READY TO GO**

***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 Transmitter Programming, please read the Driver's Ed Guide by visiting [www.castlecreations.com/MMX8SDEG](http://www.castlecreations.com/MMX8SDEG). You can also use your smart device's camera and this QR code to open the link.



MAMBA MONSTER X 8S SPECIFICATIONS	
<b>Application Guidelines</b>	1/6th scale RC Hobby vehicles weighing up to 25lbs.
<b>Input Voltage Range</b>	Min: 2S LiPo, Max: 8S LiPo, 33.6V
<b>BEC Specifications</b>	Adjustable: 5.5V, 6.0V, 7.5V, or 8.0V (8A Peak), default 5.5V
<b>Sensors</b>	Yes, with sensor harness (included in package).
<b>Product Use Statement*</b>	<ul style="list-style-type: none"><li>• Applying voltages higher than 33.6V will cause irreparable damage to your controller.</li><li>• Recommended battery capacity for this ESC is 5000mAh or larger. We recommend using 30C continuous discharge or higher LiPo batteries (or high quality 25C batteries such as Traxxas® Power Cell).</li><li>• The Mamba Monster X 8s has 6.5mm bullet connectors directly on the ESC and the battery input wires are bare. You must solder the connector of choice to the battery leads. We recommend a high-current connector rated for 70+ amps.</li><li>• The Mamba Monster X 8s is not intended for human or animal propulsion.</li></ul>

## RECEIVER CONNECTION

<b>RX Wire</b>	Plug the RX wire into the throttle (#2) channel on your receiver.
<b>AUX Wire</b>	The AUX wire allows you to adjust a setting “on-the-fly” using an auxiliary channel on your receiver. The AUX wire function is disabled by default and is programmable via Castle Link. Plug this wire into the auxiliary (#3/#4) channel on your receiver.

\*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.

## TRANSMITTER PROGRAMMING REFERENCE

### 1. Brake/Reverse Type

- With Reverse\*
- Without Reverse
- Crawler Reverse

### 2. Voltage Cutoff

- Auto-Lipo\*
- None

### 3. Brake Amount

- 25%
- 50%
- 75%
- 100%

### 4. Drag Brake

- Disabled\*
- 10%
- 20%
- 30%
- Crawler Full On

### 5. Motor Type

- Brushless\*
- Brushed Reversing

### 6. Motor Direction

- Normal\*
- Reverse

## AUDIBLE ALERT REFERENCE

• •	Start Fail
– •	Low Voltage Cutoff
– •	Over-Current
• • •	Sensors Lost
• • –	Radio Glitch
• – •	Over-Temperature
• – –	Excessive Load
– • •	AUX Wire Radio Glitch
– • –	BEC Over-Temperature
• • • •	Data Log Full Warning
– – •	Motor Over-Temperature

## ABOUT THE MAMBA MONSTER X 8S

<b>Motors</b>	Please note that while the Mamba Monster X 8s 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 Mamba Monster X 8s, and the batteries.
<b>Gearing</b>	Always start with stock gearing. If you wish to change the gearing, motor, or battery, check your motor temperature frequently on the first run. If the motor gets too hot, increase the spur size, or reduce the pinion size or the pack voltage.
<b>Programming</b>	The Mamba Monster X 8s is programmable via transmitter (see <i>Driver's Ed Guide</i> ) or settings may be programmed via computer with a Castle Link USB adapter (coupon for free adapter included in package). Program with a mobile device using a Castle B•Link Bluetooth® Adapter (sold separately) or using a Castle Field Link Portable Programmer (sold separately).
<b>Data Logging</b>	The Mamba Monster X 8s features data logging. You will be able to measure and record important power system information during your race, turn-by-turn. After your run, you can download and analyze this log using Castle Link. You will be able to inspect many parameters including battery voltage, motor RPM, ESC temperature and more. Additional information about using the data logging features can be found in the Driver's Ed Guide ("Data Logging").

540 North Rogers Road, Olathe, KS 66062  
(913) 390-6939 (ext. #1 Support, #2 Sales)

**Product Support:** [castlecreations.com/contact-support](https://castlecreations.com/contact-support)

**Sales:** [castlecreations.com/contact-sales](https://castlecreations.com/contact-sales)

**Website:** [www.castlecreations.com](https://www.castlecreations.com)



## Documents / Resources



[castle creations CSE010016500 Mamba Monster X 8S Speed Controller](#) [pdf] User Guide  
CSE010016500, Mamba Monster X 8S Speed Controller

## References

- [📄 Contact Sales — Castle Homepage](#)
- [📄 Castle Homepage](#)
- [📄 castlecreations.com/MMX8SDEG](#)