ABOUT THE MAMBA MONSTER X 8S

Motors	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.
Gearing	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.
Programming	The Mamba Monster X 8s is programmable via transmitter (see *Driver's Ed Guide)* 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).
Data Logging	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").

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(913) 390-6939 (ext. #1 Support, #2 Sales)

Product Support: castlecreations.com/contact-support
Sales: castlecreations.com/contact-sales
Website: www.castlecreations.com

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MAMBA MONSTER X 8S SPECIFICATIONS

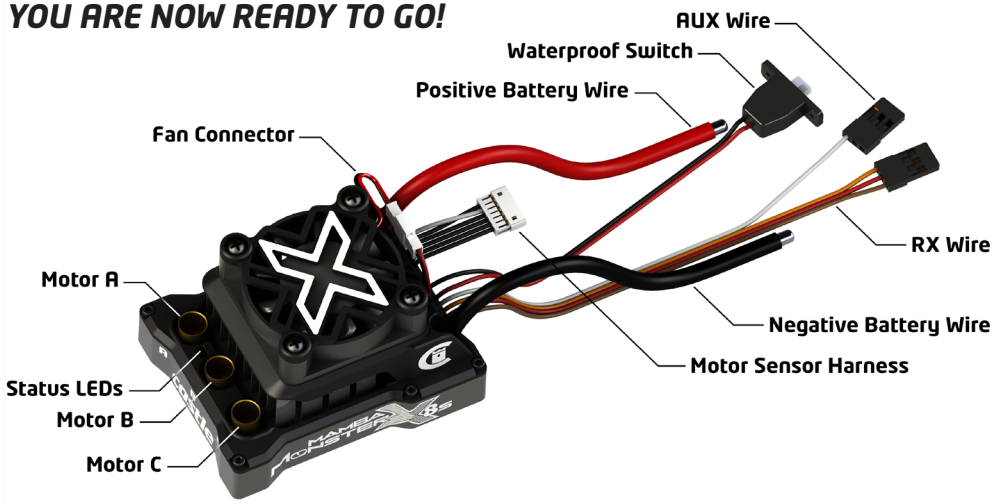
Application Guidelines	1/6th scale RC Hobby vehicles weighing up to 25lbs.
Input Voltage Range	Min: 2S LiPo, Max: 8S LiPo, 33.6V
BEC Specifications	Adjustable: 5.5V, 6.0V, 7.5V, or 8.0V (8A Peak), default 5.5V
Sensors	Yes, with sensor harness (included in package).
Product Use Statement*	• Applying voltages higher than 33.6V will cause irreparable damage to your controller. • 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). • 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. • The Mamba Monster X 8s is not intended for human or animal propulsion.

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

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!

MAMBA MONSTER 8S
EXTREME 1:6 SCALE WATERPROOF ELECTRONIC SPEED CONTROL

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*. You can also use your smart device's camera and this QR code to open the link.

RECEIVER CONNECTION

RX Wire	Plug the RX wire into the throttle (#2) channel on your receiver.
AUX Wire	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.

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

**Default Setting*

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