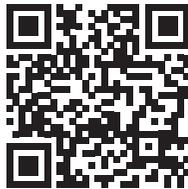


## ABOUT THE MAMBA MICRO X2

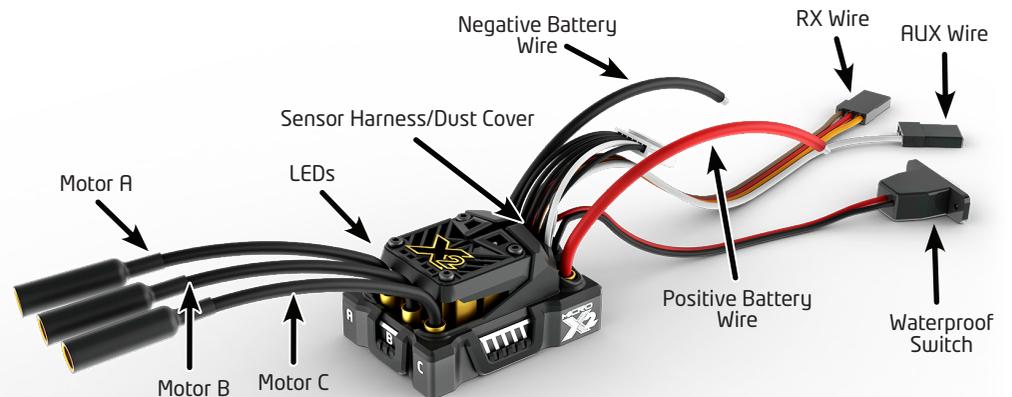
<b>Motors</b>	Please note that while the Mamba Micro X2 is capable of handling incredible amounts of power, your motor must also be up for the task. Always run your motor within the manufacturer's specs. Monitor motor, battery, and controller temps carefully and never let the motor get above 180°F. Excessive heat in the motor can damage the motor, the Mamba Micro X2, and your batteries.
<b>Gearing</b>	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 online at <a href="http://www.castlecreations.com/microxgearing">www.castlecreations.com/microxgearing</a> .
<b>Programming</b>	The Mamba Micro X2 is programmable via your transmitter, Windows® based PC and a Castle Link USB adapter (available free with enclosed coupon), or B•Link Bluetooth® Adapter (purchased separately). See the Driver's Ed Guide for more instructions on transmitter programming and the Castle Link system ("Transmitter Programming", and "Tuning with Castle Link").
<b>Driver's Ed Guide</b>	For more detailed information regarding Getting Started, Throttle Calibration, using Castle Link, or Transmitter Programming, please refer to the Driver's Ed Guide by visiting: <a href="http://www.castlecreations.com/MICROX2DEG">www.castlecreations.com/MICROX2DEG</a>



## 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 and AUX wire in (see *RECEIVER CONNECTION* section on the opposite side).
5. Calibrate your ESC to your radio. (See *Driver's Ed Guide, "How to Calibrate the ESC"*).

**YOU ARE NOW READY TO GO!**



## MAMBA MICRO X2 SPECIFICATIONS

<b>Application Guidelines</b>	1:18th: vehicles weighing up to 2.25lbs 1:14th: vehicles weighing up to 3lbs Crawling: low speed crawling up to 9lbs
<b>Input Voltage Range</b>	Min: 2S LiPo, Max: 4S LiPo, 16.8V
<b>BEC Specifications</b>	Adjustable: 5.5V or 7.5V (2A Peak), default 5.5V
<b>Waterproof</b>	Yes*
<b>Sensors</b>	Yes, with Sensor Harness (P/N 011-0108-00). Included with 1:14/ Crawler edition, sold separately with 1:18th edition.
<b>Product Use Statement**</b>	<ul style="list-style-type: none"> <li>Applying voltages higher than 16.8V will cause irreparable damage to your controller, voiding the warranty.</li> <li>Recommended battery capacity for 1:18th scale vehicles is 1500mAh, 30C continuous discharge. For 1:14th scale vehicles and crawler, ≥2,000mAh, 30c is recommended.</li> <li>The Mamba Micro X2 1:18th edition uses 3.5mm motor bullets; the 1:14th/crawler edition uses 4mm on the motor wires and the battery input wires are bare. You must add the connector of your choice to the battery leads. We recommend a high current connector rated for at least 40 amps.</li> <li>Do not use 4s LiHV</li> </ul>
<b>RECEIVER CONNECTION</b>	
<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.

\*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.

\*\*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

\*Default Setting

## AUDIBLE ALERT REFERENCE

• •	Start Fail
• -	Low Voltage Cutoff
- •	Over-Current
• • •	Sensors Lost
• • -	Radio Glitch
• - •	Over-Temperature
• - -	Excessive Load
- • •	AUX Wire Radio Glitch
- - •	Motor Over-Temperature

### Contact

Castle Creations  
540 North Rogers Road  
Olathe, KS 66062

**Support:** [www.castlecreations.com/contact-support](http://www.castlecreations.com/contact-support)

**Sales:** [www.castlecreations.com/contact-service](http://www.castlecreations.com/contact-service)

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

