



AN OFFICIAL PRESS RELEASE

Castle Creations

Castle Creations Releases 1:6 Scale Performance ESC for R/C Surface Markets

Castle Creations, the leader in electronic speed controllers (ESC) and BLDC motors for radio-controlled (R/C) car, air, and multi-rotor hobby markets, as well as commercial UAV and drone markets, is proud to announce the Mamba Monster X 8 S 1:6 Sensored Electronic Speed Controller.

OLATHE, Kan., February 7, 2020 (Newswire.com) - The Mamba Monster X 8S is ideal for 1:6 scale vehicles weighing up to 25 lb where increased performance, configurability and reliability is desired.

The Mamba Monster X 8S utilizes Castle's break-through CRYO-DRIVE™ technology. By minimizing the amount of time the ESC's electrical components spend generating heat, and removing that heat more quickly, with a forged elliptical fin heatsink, unique open housing design and oversized 40mm cooling fan, the Mamba Monster X 8S takes thermal performance to a whole new level. This allows the ESC to handle more power in a wider range of throttle positions with improved efficiency and cooler ESC temperatures, which enables longer runtimes.

High-performance demands high quality and the Mamba Monster X 8S is proudly designed and manufactured in Olathe, KS, USA. The design includes a robust aluminum housing with epoxy potting to protect the circuitry and ensure all-weather use. Mamba Monster X 8S is a workhorse and will dominate in harshest track, trail or tarmac.

The ESC is easily optimized for different driving conditions, vehicles and applications, with configurable settings including throttle and brake curves, motor timing, drag brake, drag brake ramp, reverse type, motor temperature cutoff, punch control and torque limits. Onboard data logging can monitor current, voltage temperatures, RPM and more.

Additional tuning flexibility is possible by changing driving parameters in real-time using a compatible transmitter with Castle's unique AUX wire feature. By connecting the white signal wire to an open radio channel, users can dynamically reign in their vehicle's power, enable/disable reverse,



adjust torque control or drag brake, switch between rock race or crawler mode and more. Vehicles can be optimized for any racing or bashing application imaginable

Users can tune and update the ESC with USB and Bluetooth™ programming options including the Castle Link Programming Suite on a Windows™ PC or the Castle Link app for Android or iOS with the optional B-Link™ Bluetooth Adapter (sold separately).

The Mamba Monster X 8S can be purchased as a stand-alone ESC or packaged in combination with a Castle sensored 4-pole brushless motor to ensure peak performance in today's popular 1:6 scale vehicles, weighing up to 25 lb. At launch, the Mamba Monster X 8S will be available in combination with the new sensored 2028-800KV motor. Additional motor options are scheduled for release in Q1-Q2.

Castle Creations sensored brushless motors are a robust and reliable design with oversized NMB bearings and a vibration dampening system for longevity. High-strength, high-temperature grade neodymium sintered magnets combined with a high-strength Kevlar wrap ensures the integrity of the rotor is not compromised during high RPMs and harsh running conditions. A proprietary winding technique is used to reduce internal resistance in the stator assembly, resulting in a cooler running, and longer-lasting motor.

When paired with a Castle sensored brushless motor, such as the 2028-800KV, users with heavy, high-speed rigs will experience superior power, punch and speed with a very controllable low-end. Castle's proprietary SmartSense™ technology uses the motor's sensors to provide smooth starts, excellent torque, and low-speed drivability. Once the motor is turning, it seamlessly transitions to Castle's ultra-efficient sensorless mode with electronic timing which advances timing automatically for peak performance in all driving conditions. This combines the best of both worlds with smooth sensored startups and high-efficiency sensorless running to put more power to the ground.

Source: [Castle Creations](#)

Related Files

- [Mamba Monster X 8S Supporting Document](#)
-

Original Source: www.newswire.com