

X-9000_V3



Redefine riding

Engineered for uncompromising power, control, and customization, the X-9000_V3 redefines what you can expect from your motor controller.

Whether you are tearing up the trails, dominating urban streets or pushing limits on the track, this controller is built to push boundaries and unlock your bike's full potential.



KEY SPECS	
Rated Power	50kW (Tested to 60kW)
Voltage	120V
Phase Current	1000 (1600 Burst)
MOSFETS	Infineon
Construction	Full CNC Case; Interchangeable Heat sinks; Billet CNC Bus Bar System
Control Protocol	Field Orientated Control (FOC) VESC Based
Operating Temp	-25 C to 80 C
IO Count	68
Features	Built in IMU for integrated wheel-lift control Dual hall throttle ready X-Series App compatible for custom tuning Pre tuned for stock and aftermarket batteries Tuned for 30+ motors
Warranty	2 Years
Kit Contents	Plug and Play Harness and Mount Kit (for your selected bike), SW102T Color Display, 1-2 Harness, Bluetooth Module, Thumb Throttle, Heat sink and hardware

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Rider Focused Technology

Built from the ground up for serious riders and racers, the **EBMX X-9000_V3** is more than just a controller — it's a complete performance ecosystem. With a re-engineered power stage, cutting-edge logic system, and a redesigned user interface, it's the most advanced, rider-tuned controller on the market.

Whether you're dominating urban streets, carving trails, or hitting the racetrack, the X-9000_V3 delivers **unmatched power, precision, and customization.**

Power Meets Control

- **50kW Output | 1000A Phase Current | 1600A Burst**
- **30 120V Infineon MOSFETs** for performance and reliability under extreme conditions
- **Redesigned Multilayer PCB & CNC Copper Busbars** for superior thermal control
- **Water-Cooling Option** for race-level endurance
- **IP67 Rated & CNC Alloy Case** – Built to take the punishment

Race-Ready, Rider Tuned

- **6 Fully Customizable Power Levels** (Race + Street Modes)
- **Graphical UI for Throttle Tuning, Regen Braking & EBMX E-Clutch**
- **Load & Go Battery Profiles** – Over 15 plug-and-play setups
- **Preloaded Motor Tunes** – 30+ motors supported out of the box
- **One-Touch Updates** – OTA firmware & compatibility expansion

Next Gen Logic

- **Industry-Leading 68 IO Support** – Runs anything, from race bikes to full featured builds
- **Custom EBMX VESC Firmware** with Field-Oriented Control (FOC) for silky smooth throttle control, enhanced motor control, and greater efficiency
- **Integrated IMU for Wheel Lift Assist** – Fully programmable for launch control, anti-loop, or stunt mode
- **Dual Hall Throttle Ready** – Two ADC inputs, increased throttle safety and reliability

Built for the Bikes You Ride

Full compatibility with:

- **Surron** (Lightbee, Ultrabee)
- **Talaria** (MX3, MX4, MX5, XXX)
- **Eride Pro** (S,2.0, 3.0, SR)
- **Rerode R1**
- **79Bike**

and many custom setups

X-9000_V3



Power. Precision. Possibility

Supports the most Powerful Motors

Plug-and-play support for:

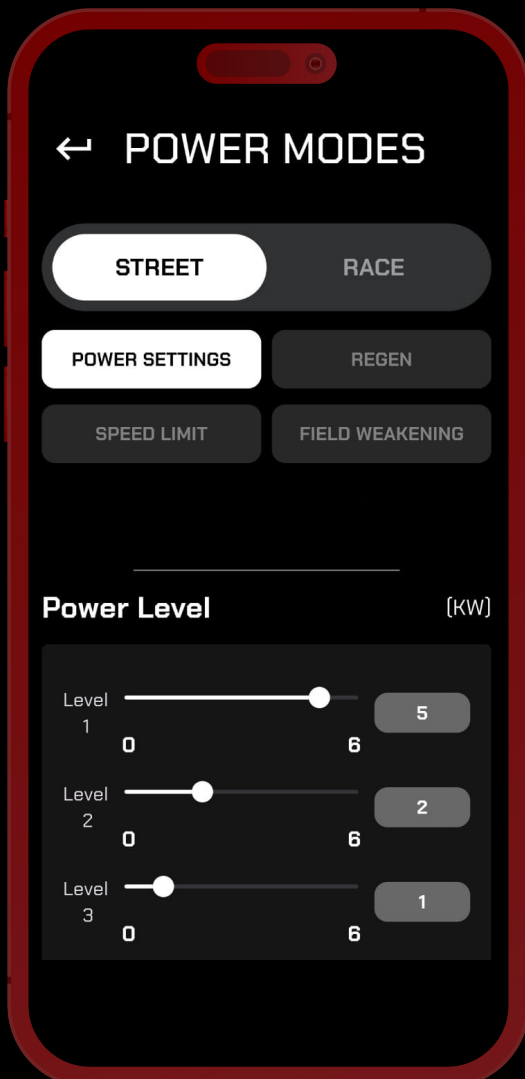
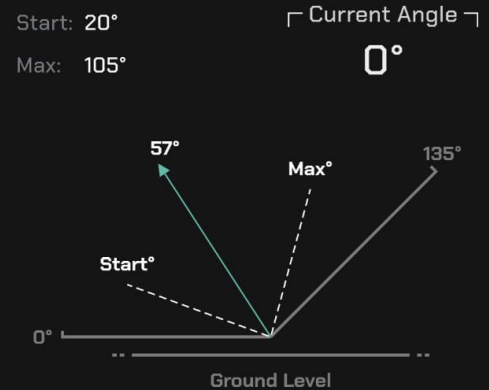
- **EBMX XLB/XUB/XTA Series, KO Motors, QS138, QS165, Sotion, Eride, Rerode**, and more
- **Hall & Encoder Configurations** – No rewiring nightmares

Wheel Lift Support



BASIC

ADVANCE



New X-Series App

- Complete setup in minutes
- Live tuning at the track or trail
- Industry leading Tech Support
- Quicker diagnostics and expert assistance
- Future-ready , compatible with the up coming EBMX Track Module, DC-DC and much more

EBMX IO Standard - Unlimited Integration

Support for:

- Dual throttle
- Regen throttle/E-Clutch
- CAN, RS485, UART, PWM in/out and more
- Full display and sensor integration