

More power, more Uphill Flow: Performance Line CX is increasing in strength

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Bosch launches adjustable performance values, new riding modes, and smart shifting

- ▶ Higher performance values for Performance Line CX
- ▶ eMTB+ mode offers even greater dynamics and control
- ▶ Kiox 400C display integrated in the top tube
- ▶ Refinements to eBike ABS and eBike ABS Pro
- ▶ eShift setting M+ selects the right gear when coasting

Foothill Ranch, Calif. – Conquer technical trail sections, tackle steep ascents with ease, and constantly test your own limits. For passionate MTB riders, Bosch eBike Systems is adding another dimension to the trail experience. From July 2025, eMTB enthusiasts can increase the performance values of the Performance Line CX (BDU384Y) in the eBike Flow app and customize them to their personal setup. In the new eMTB+ mode, this power is delivered with sensitive precision exactly when the rider needs it. The Kiox 400C display, the highly sensitive sensor technology for eBike ABS and eBike ABS Pro, and a customized eShift setting complete the new features in the Bosch eMTB ecosystem.

More power for the Performance Line CX – individually adjustable

The Performance Line CX is becoming even more powerful and adaptable. eBike riders can individually increase the performance of their drive unit via a software update in the eBike Flow app. A slider can be used to adjust the maximum power from the default value of 600 watts (W) up to 750 W, while the maximum torque can be increased from 85 Newton meters (Nm) to 100 Nm and the maximum support up to 400%. This gives eMTB riders a noticeable increase in power for particularly steep and technical uphill trails.

The amount of power actually utilized is left up to the rider within the framework predefined by Bosch. It is important to bear in mind that higher values put more strain on the mechanical components and also affect the range – the more power, the greater the wear and the shorter the ride.

The performance upgrade for the Performance Line CX can be downloaded free of charge over-the-air to eBikes with the current Performance Line CX (BDU384Y) after manufacturer approval for the respective eBike model from July. Bicycle manufacturers set the maximum values within which users can adjust their performance values.

Maximum dynamics and control: The new eMTB+ mode

The newly developed eMTB+ mode, which bridges the gap between Race and eMTB mode, offers greater dynamics and control. Depending on the rider's input, eMTB+ mode adapts support with up to 400% of rider power. Extended Boost can be controlled as sensitively as in eMTB mode and can develop the same maximum overrun as in Race mode – which is only available in conjunction with the Performance Line CX-R. Dynamic Control ensures full control of the power delivery. On demanding trails with changing surfaces and tire grip, the sensor technology recognizes the conditions and ensures a balanced and smooth power delivery. This keeps riders in the flow and the riding behavior of the drive unit confident, dynamic, and fully controllable. While eMTB mode in the basic setting is optimized for touring and a longer range, eMTB+ mode scores points for performance and trail fun. Riders who want to customize eMTB and eMTB+ mode according to their personal preferences can fine tune the various performance values in the eBike Flow app.

“eMTB riding is part of our DNA,” says Claus Fleischer, CEO of Bosch eBike Systems. “We enable eMTB riders to live out their passion to the full – with optional additional power and even more customization options for different riding situations and needs. The increased performance values of the Performance Line CX in combination with the new eMTB+ mode offer even more power and agility on demanding trail rides.”

Protected in the frame, all ride data at a glance: Kiox 400C display

Power, cadence, heart rate, elevation, and more: eBike riders want to be able to view the most important ride data on challenging rides. The new Kiox 400C displays these values dynamically without manual intervention during the ride – and is a display and control unit in one. It is permanently and seamlessly integrated into the top tube of the eBike. This protects it from mud, knocks, and bumps while keeping the cockpit tidy.

The dynamic screen for the Kiox 400C is preset so that riders can keep their hands on the handlebars at all times. The displayed data changes automatically in this setting – depending on the riding situation. For example, the elevation covered is displayed when riding uphill, and the speed when riding downhill. The various screens can be customized in the display configuration of the eBike Flow

app. The tactile buttons also allow the display to be operated manually. In addition, the Mini Remote ensures safe and convenient operation directly from the handlebars – including control of lights, Walk Assist, and the Hill Start feature.

With up to 1,000 cd/m², the razor-sharp display shows information and automatically adjusts to the surrounding brightness, remaining easy to read and glare-free even in direct sunlight. In addition, the navigation display enables precise route guidance so that eBike riders can easily find their way from trail to trail. Another clever feature is the protected USB-C charging socket on the Kiox 400C, which can be used to power external devices such as smartphones.

Even better control when braking: Optimized Bosch eBike ABS and Bosch eBike ABS Pro

Increased riding stability on the trail and powerful braking without the front wheel skidding: Bosch eBike ABS and Bosch eBike ABS Pro allow eMTB riders to focus better on the trail, ride more precisely, and concentrate less on braking. The ABS software has been further optimized to regulate the brake pressure even more precisely. A new sensor in the drive unit also measures the inclination of the eBike more accurately, allowing the eBike ABS to calculate more precisely when a crash over the bars could be imminent. In this way, Bosch eBike ABS can further reduce the braking distance. The new integrated sensor also enables a cleaner design without a sensor disk on the rear wheel.

Focus when riding, composure when coasting: M+ with eShift

A situation many eMTB riders will be familiar with: When they start pedaling again after coasting for a while, the last gear engaged is no longer suitable for a smooth start – either it is too hard or they feel a lack of resistance. M+ extends eShift from Bosch eBike Systems to include the “auto-shift” variant. When coasting, M+ automatically shifts to the right gear with eShift. This keeps the rider fully focused on the trail – allowing them to really push themselves on next pedaling section. On uphill and while pedaling, eMTB riders with M+ stay in control and shift gears manually. eShift ensures an optimum gear on the downhill when the rider isn't even thinking about it. M+ will be available from fall 2025 in combination with TRP E.A.S.I. A12 as part of an over-the-air update.

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Bosch eBike Systems is shaping the future of eBike mobility with innovative products and digital services ranging from highly efficient drive systems and the first series-ready ABS for eBikes to connected biking solutions. On daily routes through the city, on enjoyable tours through the countryside or for sporty adventures in the mountains: Bosch eBike Systems offers eBikers the right drive system (drive unit, battery, display and app) for every requirement and every area of use, which ensures a unique riding experience. Today, more than 100 of the world's leading bicycle brands trust in the perfectly coordinated, modular product portfolio. As an independent business unit within the Bosch Group, Bosch eBike Systems also uses the group's technology and manufacturing know-how. For healthy, safe and sustainable mobility that is fun.

For more information, please visit www.bosch-ebike.com.

About Bosch

Having established a presence in North America in 1906, today the Bosch Group employs more than 41,000 associates in more than 100 locations in the North American region (as of Dec. 31, 2024). According to preliminary figures, Bosch generated consolidated sales of \$17.4 billion in the U.S., Mexico and Canada in 2024. For more information visit www.bosch.us, www.bosch.mx and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 86,900 associates in research and development, of which nearly 48,000 are software engineers.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The remaining shares are held by Robert Bosch GmbH and by a company owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG. It is entrusted with the task of safeguarding the company's long-term existence and in particular its financial independence – in line with the mission handed down in the will of the company's founder, Robert Bosch.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com.

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