

Maximum braking performance with the Bosch eBike ABS Pro

September 2024

Bosch eBike Systems revolutionising the mountain bike riding experience with new ABS

- ▶ Developed for adventurous, ambitious and discerning eMountain bikers
- ▶ Even faster ABS intervention for more stability when braking on the trail
- ▶ Choice of two different modes for trail riders and enduro racers for those crucial seconds

Stuttgart/Reutlingen – On the downhill trail, discerning mountain bikers and enduro racers want to concentrate more on their riding line and less on braking. Bosch eBike Systems now has a solution for them: the new ABS Pro for high-performance braking systems. This increases riding stability by allowing late and powerful braking without the front wheel slipping.

The control system optimised for performance downhill sections intervenes within milliseconds and allows the brake to react even more precisely to different surfaces. At the same time, the brake pressure modulation has been optimised to achieve even better braking performance that is both powerful and natural on gravel roads or trails, even at higher speeds. The advantages for eMountain bike enthusiasts: the 'flow window' is extended, they can focus better on the trail, ride more precisely and have to concentrate less on braking. And for enduro and downhill riders, this also means less stress for the body in a race and therefore more performance and longer-lasting concentration.

Stable and tuned for performance

Fast, performance downhill riding requires a braking technique that ranges from solid to sophisticated. With modern, powerful braking systems, overbraking can also occur, especially in unforeseen situations. Those who adopt a precise braking style not only master descents more safely, but also reach their destination more quickly. This is where the eBike ABS Pro comes into play, which is aimed at experienced mountain bikers who want to expand their skill set. The ABS optimised for performance on the trail intervenes particularly in the first braking phase to minimise braking errors. During initial braking, ABS Pro

ensures stability, after which the intervention decreases noticeably – in favour of maximum braking performance. In this way, riders are ramped up to the maximum braking force on the respective surface. The length of the initial braking depends on the rider's input and the grip level, i.e. the degree of grip of the tyre. ABS Pro refines sophisticated braking technology and ensures that bikers stay in the flow on trail descents.

Two ABS modes for different requirements

When developing the new ABS Pro for maximum braking performance on trails, Bosch incorporated experience and technology from eMTB racing. This has resulted in two ABS Pro modes: ABS Trail Pro for discerning mountain bikers and ABS Race for enduro racers.

The **ABS Trail Pro** mode is the new standard for every challenging trail descent and has been developed for more efficient, stable and controlled braking on loose surfaces. eMountain bikers can fully focus on the ideal line and also benefit from the rear wheel lift control on grippy surfaces. This can prevent the rear wheel from unintentionally lifting off sharply in the event of extremely heavy overbraking.

For eMTB professionals and braking specialists, the range of functions in the **ABS Race** mode has been deliberately adapted: all stoppie fans and hairpin bend enthusiasts can use this mode to lift the rear wheel off the ground and land it again, as the lift control is deactivated. "We have received feedback from our athletes that they are simply faster with ABS Race. They feel safer and perform better and can gain crucial time on the downhill. Added value for discerning bikers who want to push themselves to the limit on the trail," says Claus Fleischer, CEO of Bosch eBike Systems.

Bosch athletes have already won world championship titles and several enduro victories in competition with ABS Race. For eMTB world champion Nathalie Schneitter, the ABS Race mode on the eMountain bike is a real game changer: "With ABS Race, I am more controlled on the descent and can brake later and harder without losing grip and my pace. This allows me to focus perfectly and hold my line."

The two modes ABS Trail Pro and ABS Race can be selected via the eBike Flow app or the Settings menu on the display.

Improve braking behaviour in the performance area

The Kiox 300, Kiox 500, Purion 200 and Purion 400* displays show the selected ABS mode as well as information such as braking distance and duration and the number of braking operations using ABS. After the descent, you can analyse

your own braking behaviour in the eBike Flow app and compare the proportion of braking with and without ABS Pro.

The Bosch eBike ABS Pro is compatible with the MT7 disc brakes from Magura and DH-R EVO from TRP, cannot be retrofitted and is only available for eBikes with a smart system. The first eBikes with the new ABS Pro are expected to be available from specialist dealers from the end of 2024.

Systematic differentiation of the Bosch eBike ABS

The new Bosch eBike ABS Pro with the ABS Trail Pro and ABS Race modes creates the optimum balance between riding stability and maximum braking performance. Presented in 2022, the world's smallest [Bosch eBike ABS](#) with ABS Allroad and ABS Trail modes was deliberately developed with a stronger focus on safety and stability. Also in 2022 – particularly suitable for urban areas – Bosch presented the ABS Touring and ABS Cargo modes for eCity, eTrekking and eCargo bikes, for example. In 2018, Bosch eBike Systems introduced the world's first ABS for eBikes.

*Braking distance and duration not currently available with Purion 400.

Press photo 1:



Small and powerful: the Bosch eBike ABS Pro is designed for ambitious eMountain bikers who give their all on the trails.

Press photo 2:



With the eBike ABS Pro, bikers find the perfect balance between riding stability and maximum braking performance.

Press photo 3:



The two modes ABS Trail Pro and ABS Race can be selected via the eBike Flow app or the Settings menu on the display.

Pressebild 4:



The ABS optimised for performance on the trail intervenes particularly in the first braking phase to minimise braking errors. During initial braking, ABS Pro ensures stability, after which the intervention decreases noticeably – in favour of maximum braking performance.

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