

June 29, 2021

## Press Release

### **New from maxon: a light and invisible e-bike system.**

**First maxon's DC motors flew on Mars in the NASA helicopter and now they're helping bike riders soar to greater heights!**

Spanning several years of development maxon Group is proud to present the BIKEDRIVE Air – a light and invisible e-bike system consisting of mid-mounted motor, integrated battery and control element. It can be used to build extremely lightweight racing, gravel and urban bikes, or mountain bikes.

E-bikes are more commonly seen in cities but are making their way into rural areas and the mountains. Many existing systems provide powerful support but the trade-off is heavy and sluggish manoeuvring. DC motor specialist maxon stands at the forefront of changing this.

The BIKEDRIVE Air is an invisible e-bike system that weighs only 3.5 kg including battery and can be integrated into frames by bike manufacturers. The system is so compact that it fits into a wide variety of designs – such as racing, gravel, urban, kids', and mountain bikes. This makes it possible to build electric racing bikes that weigh less than 11 kg, and E-MTB trail full suspension with less than 16 kg.

The BIKEDRIVE Air system represents 60 years of experience in the development and production of electric DC motors, gearheads, and electronics. Its centerpiece is a mid-mounted e-bike motor that supplies a torque of 30 Nm and provides riders with a natural cycling experience and agile handling. The secret behind this is the unique freewheel technology. Support is given only when it is necessary – this feels just like riding with a tail-wind.

This e-bike DC motor system is almost completely hidden from the eye. Only a discreet integrated control element on the top tube hints at the extra power hidden in the bike. Even the associated 250 Wh battery is hidden. There's also the option to double the range by adding an additional battery.

There's the choice for riders to individually adjust the support levels provided by their e-bikes and easily access all important data at any time. To this end, maxon developed the maxon Connect app. With ANT+ or Bluetooth (BLE), other devices can also be connected easily, for example Garmin, Sigma, o-synce, etc. For dealers, there is an additional user-friendly Service app.

Starting this European summer, maxon is offering the BIKEDRIVE Air system exclusively to bike manufacturers globally. For more information visit [maxonbikedrive.com](http://maxonbikedrive.com) or call maxon Group Australia tel. +61 2 9457 7477.

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The press release is available on the internet at: [www.maxongroup.net.au](http://www.maxongroup.net.au)



*Integrated out of sight This e-bike system by maxon is almost completely hidden from the eye.  
© maxon Group*



*Ralph Näf, former MTB pro and team manager, tests the BIKEDRIVE Air motor © maxon Group*

**maxon motor Australia Pty Ltd**

Unit 1, 12-14 Beaumont Road  
Mt Kuring-Gai NSW 2080

Tel: +61 2 9457 7477

[sales.au@maxongroup.com](mailto:sales.au@maxongroup.com)

[www.maxongroup.net.au](http://www.maxongroup.net.au)

Twitter @maxongroupAus

**The Swiss specialist for quality drives**

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.