

### More comfortable gear shifting for eBikes

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#### Bosch expands eShift portfolio in the smart system with TRP and Shimano gear shifting systems

- ▶ More comfort and riding fun, less material wear: integrated electronic eShift gear shifting solution improves eBike experience
- ▶ For additional application areas: Expansion of eShift portfolio in technological partnership with TRP and Shimano
- ▶ Smart system features eShift solutions for eBikes with derailleur system for the first time
- ▶ Auto downshift function can now be customised in the eBike Flow app

Stuttgart/Reutlingen – Focusing on eBiking, always shifting gears at the perfect time – or not having to think about shifting gears at all? Bosch eBike Systems presented the first eShift solutions for electronic shifting back in 2014 and has since further developed them together with shifting system partners. Bosch is now expanding its eShift portfolio in the smart system, providing more choice, more comfort and more riding fun. Depending on the system, electronic gear shifting offers two major advantages for eBikers: When shifting manually, eShift ensures optimal gear changes at the ideal time. Motor support is interrupted for fractions of a second in the process. The gear changes are rendered smooth and silent. A positive side effect here is that material wear on the drive is also reduced. Alternatively, eShift can change gears fully automatically: The shifting system then automatically adapts the gear to a pre-set cadence. This means that eBikers always ride in the correct gear ratio and the riding experience is much more relaxed and comfortable – wrong gear changes become a thing of the past.

In addition to the previously available eShift solutions from Rohloff, 3X3 and enviolo, Bosch is now integrating new shifting systems from TRP and Shimano into the smart system. "Our electronic eShift gear shifting solution offers numerous advantages. More comfort, more riding fun and reduced material wear: eBikers benefit from this technology in a wide range of applications – on eMTBs as well as in the city. In collaboration with TRP and Shimano, we're expanding our portfolio and integrating derailleur solutions for eBikes into the

smart system for the first time," says Claus Fleischer, CEO of Bosch eBike Systems.

### **For sporty eBikers: automatic derailleur system now available in the smart system for the first time**

Sporty riders have always appreciated the advantages of derailleur systems: They are lightweight and their fine gear ratio increments ensure efficient pedalling. eBikers can now benefit from the first automatic derailleur solution in the smart system. The TRP E.A.S.I. A12 has been specially designed for eMTBs and Gravel eBikes and is available as an eShift solution exclusively in conjunction with the Bosch Performance Line CX and Performance Line SX motors. During automatic gear shifting, the correct gear is automatically selected according to a previously defined individual cadence. This means less focus on the correct shifting torque and more fun on the road.

The "RollShift" feature also ensures additional flow: the rear derailleur automatically shifts to the appropriate gear when slowing down or accelerating during coasting phases without pedalling. This ensures a particularly smooth transition when stepping into the pedals again.

Those who prefer shifting gears themselves in certain riding situations can switch to manual mode at any time at the press of a button on the shifter while riding. The Kiox and Purion displays or the Ride screen on the phone indicate the current mode and the engaged gear at all times. The appropriate gear can also be engaged during the coasting phase before starting to pedal again when shifting manually. For a modern and sleek appearance, the shifter is wirelessly connected to the rear derailleur and the battery required is simple to replace.

### **For commuters and everyday riding: Shimano CUES Di2**

With Shimano's new CUES Di2, Bosch is integrating a further eShift solution for derailleur solutions into the smart system. This makes gear changes particularly quiet, smooth and cuts down wear on the materials. This is made possible by reducing the motor support for a fraction of a second during gear changes. In the manual variant, the system provides a shift recommendation on the display or on the Ride screen in the eBike Flow app. Commuters benefit from this as they ride through the city, as do eBikers on trekking tours in the countryside.

### **For the city and on trekking tours: Shimano NEXUS Di2**

The Shimano NEXUS Di2 hub gear system with eShift makes particularly smooth and comfortable gear changes possible when riding the eBike. The big advantage here is that eBike riders with hub gear systems normally have to stop pedalling to change gears. With the eShift solution, they can just keep on

pedalling. The solution assists with manual shifting and always changes gear at the ideal time, depending on the pedal position. A suitable shift recommendation is also indicated on the Kiox and Purion displays or on the Ride screen in the eBike Flow app. Moreover, riding off in an excessively hard gear is a thing of the past – because gear changes are possible even when stationary.

### **For riding off easily after a stop, auto-downshift can be customised in the eBike Flow app**

The auto-downshift function automatically shifts to a lower gear when coming to a stop to make riding off easier. This helps eBikers on hills as well as riders of heavy Cargo eBikes at traffic lights. But which is the right gear? You can now set this individually for yourself in the eBike Flow app – according to your personal taste. This feature can now also be enabled or disabled as required. Auto-downshift will be available from autumn 2024 in conjunction with the already familiar eShift partner solutions from 3X3 and Rohloff.

#### **Press photo 1:**



Greater comfort and riding fun, less material wear: the integrated electronic eShift gear shifting solution improves the eBike experience in many ways.

**Press photo 2:**



The TRP E.A.S.I. A12 is the first derailleur solution featuring eShift in Bosch's smart system – sporty eBikers can choose between automatic shifting and manual operation.

**Press photo 3:**



Shimano's new CUES Di2 with eShift enables particularly quiet, smooth and reduce material wear during gear changing thanks to a reduction in motor support for fractions of a second during gear changes.

**Press photo 4:**



The Shimano NEXUS Di2 hub gear system with eShift supports manual shifting and always changes gears at the ideal time, depending on the pedal position.

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