

For all commercial and recreational vehicles: Radio remote control with CAN gateway

### **One for all**

Rietheim-Weilheim, in April 2019. Good news for manufacturers of agricultural machinery, construction equipment and recreational vehicles: Marquardt has developed a remote control system that is operable outside the driver's cabin. The new 3559 series from the mechatronics specialist uses Bluetooth Low Energy technology with CAN gateway and can be installed in all commercial and leisure vehicles. This allows control of any vehicle or machine function that is connected to the CAN bus. Manufacturers are not limited to current or future models, as the product is available as standard equipment but can also be integrated into existing systems. Therefore, older equipment and fleets can be retrofitted at any time.

### **Compatible all-rounder**

For example, the remote control regulates headlights, winches and pumps. The various functions of agricultural machinery can be controlled just as reliably: from balers and fertilizer spreaders to field sprayers and harvesters. Construction equipment such as concrete pumps, cranes or dump trucks can also be operated comfortably and safely using the Bluetooth control device. Depending on the mounting position of the CAN gateway, the transmission distance is up to fifty meters, which further increases the range of use.

### **Individually configurable**

The design of the product is also versatile: because the functions of the remote control buttons can be configured according to the customer's wishes, the manufacturer is able to deliver "his" remote control. Marquardt can also adapt the design as required. In addition to these functions and optical variations, Marquardt offers more options, such as control via smartphone or tablet instead of BLE remote control. Customers can rely on Marquardt products' known

## Press release

ruggedness for its remote control and CAN gateway: due to its high IP rating of 67, the device can withstand dust and water and is therefore suitable for outdoor use in a rough environment. That includes 100 percent humidity or operating temperatures from -40 to +85 degrees Celsius.

Marquardt BLUETOOTH LE FOB WITH CAN-GATEWAY	
Supply voltage	9 to 36 V
Off state quiescent current	1 mA max.
RF range	Up to 50 m*
Transmission frequency	2.400 to 2.485 GHz (Bluetooth Low Energy)
Response time	200 ms
Operating temperature	-40 °C ... +85 °C (Gateway)
Storage temperature	-55 °C ... +105 °C
Humidity	100 %
Connector	Gateway pin out: 8 Pins
Protection type	IP 67
CAN protocol	J1939 – ISO11783

\* depends on mounting position of gateway

You can download the press release and the picture via the following link: <https://us.marquardt.com/meta-header/press/press-releases>

## Press release

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### **About Marquardt**

Marquardt, a family-run company founded in 1925 and based in Rietheim-Weilheim, Germany, is one of the world's leading manufacturers of electromechanical and electronic switches and switching systems. The products of the mechatronics expert are used by many well-known customers in the automotive industry and include operating components, vehicle access, driver authorization systems and battery management systems. The company's systems are also used in household appliances, industrial applications, power tools, and e-bikes. Marquardt Group employs more than 11,000 members of staff worldwide at 20 locations in four continents. The company generated 1.3 billion euros sales revenue in the fiscal year 2018. Each year, Marquardt invests around ten percent of its revenues in research & development.

### **Press contact:**

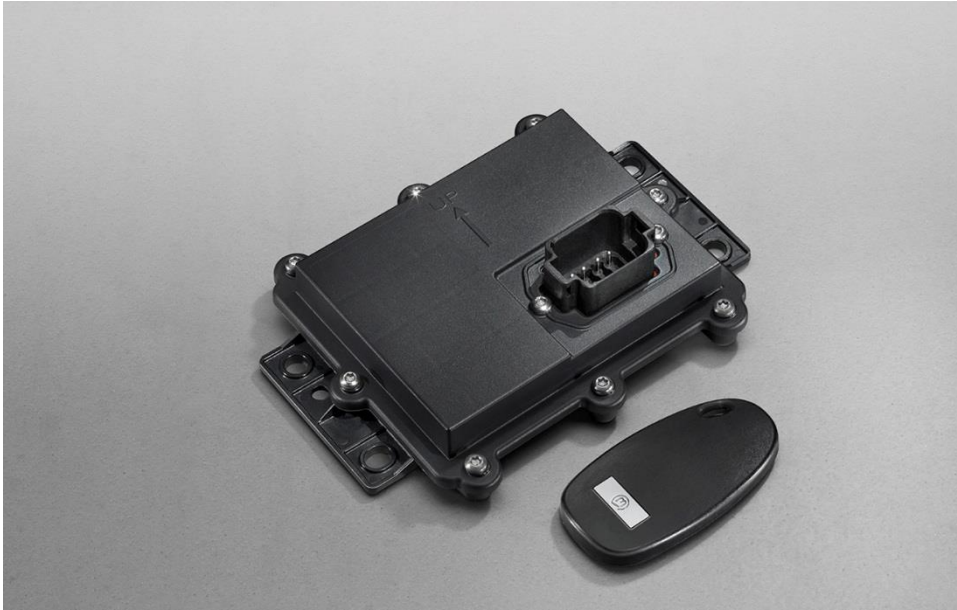
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**Photo**



***Marquardt\_Press\_Gateway.jpg:*** A can-do tool: with its high degree of protection, the remote control can also withstand harsh conditions.