

MultiMote - The universal multifunctional rotary knob

Can be used universally, whether on the steering wheel or on the handset. Flexible solution for the user through individual button programming. More safety through implementation of commands without delay. Can be integrated into almost any vehicle.



The PARAVAN MultiMote can be used flexibly, whether on the steering wheel or on the handheld unit. This gives the user full control of the most important secondary functions without taking his hand off the steering wheel. Photo: PARAVAN

Anyone who drives a car with a joystick, accelerator-brake slider or handheld device may occasionally lack a third hand to quickly and, above all, safely operate the turn signal, windshield wiper or other secondary functions of the vehicle. To prevent this from happening, there is the so-called multifunctional rotary knob, a small but important accessory that allows the driver to keep everything under control despite having a hand on the steering wheel. On the one hand, he can safely operate the steering, but at the same time he can also control the most important secondary vehicle functions at the touch of a button, such as turn signals, horn, lights, windshield wipers or even cruise control. And all this without having to take their hand off the steering wheel.

Since this year, PARAVAN GmbH has this important accessory - the PARAVAN MultiMote - in its own product portfolio. "With this device, we want to address customers who, for example, use so-called light steering, usually in combination with a handheld device for accelerator and brake or an accelerator-brake slider," says Joachim Glück, responsible for technical consulting at PARAVAN GmbH. "Customers who have to live with limitations on one side of their body - for example, due to an amputation or a stroke - also depend on the multifunctional rotary knob."

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The MultiMote can be used to operate a wide range of secondary functions at the touch of a button, such as turn signals, horn, windshield wipers, hazard warning lights, or low and high beams. For even more flexibility, the buttons can be assigned twice by pressing them long or short. A special feature is the freely programmable additional key "A". Depending on the vehicle type, the key can be used, for example, to activate cruise control, the rain sensor or voice control. The key commands entered are implemented without any time delay. In addition, the control keypad can be rotated.

The device is connected to the car via a special radio link (2.4 GHz). The connection to the vehicle electronics is possible via a CAN or LIN interface or analog. The multifunction steering wheel knob is attached via a classic ball lock bolt and steering wheel clamp or by mounting it on the horn plate. This allows functions of the assistance systems that are related to the steering wheel to be retained.

In addition to mounting on the steering wheel, the MultiMote can also be used in combination with a handheld device (push = brake, pull = accelerator). "This means the device offers significantly more flexibility to customers whose finger functionality is limited on the left side," says customer consultant Glück.

In addition to brand diversity, the development of an own product also brings a degree of independence from suppliers, also with regard to the procurement of spare parts. In addition, the MultiMote is powered by a standard 3V battery, which is easy to replace.



The PARAVAN MultiMote can be used flexibly, whether on the steering wheel or on the handheld unit. This gives the user full control of the most important secondary functions without having to take his hand off the steering wheel. Photo: PARAVAN



The PARAVAN MultiMote can also be used on the handset. An alternative for people with limited finger functionality. Photo: PARAVAN



The PARAVAN MultiMote can be adapted to completely different vehicle types. The freely programmable "A" button also allows functions such as cruise control or activation of voice control to be called up at the touch of a button. Photo: PARAVAN

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About Paravan GmbH:

Die Paravan GmbH ist Weltmarktführer für hoch individuelle behindertengerechte Fahrzeuglösungen. Rund 180 Mitarbeiter entwickeln und produce customized automotive conversions, power wheelchairs. Paravan pursues a holistic approach with its "one-stop shop" concept. The technological highlight is Space Drive, an intelligent digital control system based on the drive-by-wire principle. Thanks to the active redundancy of the servo motors, it is completely fail-safe and the first in the world to be approved for road use. With the help of this innovation, severely disabled people, some without arms or legs, can drive independently and safely. It is not possible for these drivers to simply intervene in the steering wheel. Worldwide, Space Drive has proven itself on over one billion road kilometers in the last 18 years and is used by numerous industrial customers for test vehicles in the field of autonomous driving. The system is available as a retrofit kit with an open interface for all known vehicle types. www.paravan.de