

munevo DRIVE - Intelligent wheelchair control via Smart Glass

Simply nod and go. munevo DRIVE is a unique wheelchair control system that allows users to control their wheelchair by moving their head. In the future, munevo is to become an everyday assistant who helps those affected to lead a more self-determined life.

How does **munevo DRIVE** work?

The smart glass application **munevo DRIVE** uses the sensors built into smart glasses to translate head movements into control signals. These signals are then transmitted to the wheelchair's control unit via the **munevo DRIVE** adapter. This enables **munevo DRIVE** to control the wheelchair hands-free. By using the Bluetooth technology, it is possible to interact with many other devices. The integration of Bluetooth Security ensures security and makes manipulation from "outside" impossible. **munevo DRIVE** is currently compatible with all R-Net wheelchairs.

Functions of **munevo DRIVE**

In addition to the most important function, driving the wheelchair, **munevo DRIVE** can currently be used to perform the following additional functions:

- Adjust sitting position
- Select driving profiles
- Take pictures
- Share photos
- Send emergency message

In the future, navigation will be integrated. In addition, the following devices can soon also be controlled by **munevo DRIVE**:

- Smart home systems
- Smartphones and computers
- Robot arms

Background to **munevo**

Diseases such as multiple sclerosis or amyotrophic lateral sclerosis (ALS) as well as injuries to the spinal cord (paraplegia) can severely restrict a person's freedom of movement and associated independence. As a result, those affected are often dependent on the help of other people or on uncomfortable steering systems. The idea for **munevo DRIVE** was born during a university course at the Department of Information Systems at the Technical University of Munich. Our aim was to enable people with particularly severely impaired mobility to lead a self-determined life.

After the foundation of **munevo GmbH** in March 2018, **munevo DRIVE** was approved as a medical device at the end of the same year. **munevo DRIVE** has been available on the German, Austrian and Swiss market since January 2019, and by 2020 it should also be available on the European and US markets. We are also working on continuously expanding our product portfolio to make life easier for people in wheelchairs.

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