

# SMOOV one



The SMOOV one is an electric power assist drive unit for active wheelchairs which significantly increases the driver's mobility and flexibility.



**SMOOV**



# All highlights at a glance



## Dynamically en route

- Top speed of 10km/h
- Active, swift handling thanks to the swivelling drive wheel
- Tilted driving with docked on drive is possible
- Slope up to 16 %



## High range

- Range up to 20 km with one battery charging thanks to a highly efficient direct drive combined with state-of-the-art lithium ion technology



## Lightweight

- Weighing just 7.2 kg, this is one of the lightest active drives on the market



## Your "Low key" companion

- Small, discreet drive unit under the wheelchair
- Modern, unobtrusive design



## Easy to handle

- Intuitive docking and undocking of the drive and control unit
- Easy to use thanks to the ergonomic, wireless control unit



## Minimum adjustments to your wheelchair

- Small, discreet bracket for the drive and control unit
- The wheelchair can still be used manually



## Individually adaptable

- Personal settings and extension of the scope of functions possible via the SMOOV Mobility App



MADE IN GERMANY



Yes, you can.®

# Features

## Drive Unit



## Control Unit







SMOOV Mobility app:  
available in the  
Google Playstore  
and App Store.

## Mobility app

- The smart extension for the SMOOV one
- For smartphones running on the Android or iOS operating system

### An overview of the free functions

- **Cockpit:** shows the remaining capacity, speed, range and drive modes
- **Tour:** to record, save and manage trips
- **Settings:** for drive unit, control unit and app adjustments
- **Diagnosis:** information on warnings and fault indications
- **Info:** details and further information on the product and app

### Optional functions for upgrading the SMOOV one

- **Speed:** this function increases the maximum speed from 6 km/h to 10 km/h
- **Navigation:** this function enables start/destination navigation with wheelchair accessible routing, speech output and offline map material
- **Performance:** this function enables the speed to be set, regardless of the turning angle of the drive wheel
- **AutoSpeed:** this function enables acceleration

## Bracket Mounting

### Wheelchair installation kit

- Mechanical connection of the SMOOV one to the manual active wheelchair (please include in order if not present)
- Can be mounted on most active wheelchairs with a fixed crossbar/camber tube (rigid-frame wheelchairs)
- Consists of a crossbar/camber tube bracket set and control unit bracket set

### Adapter axle

- Optional axle to combine SMOOV one with most folding wheelchairs
- The adapter axle is fitted between the stub axles; only compatible with wheelchairs with a wheel camber of 0° to 2°
- The length of the axle depends on the measure of the stub axle from left to right, measured internally
- The adapter axle can be easily fitted and removed so that the wheelchair can still be folded



Crossbar/camber  
tube bracket set



Control unit  
bracket set



Adapter axle



Yes, you can.®

# Dimensions



# Tech Specs

## General

Weight of the person	Max. 140 kg
Permissible total weight	Max. 170 kg
Climbing capability	Up to 16 %

## Drive Unit

Motor power rating	250 W
Max. motor power	450 W
Operating voltage	36 V
Speed	0-6 km/h (optionally up to 10 km/h)

## Battery pack (drive unit)

Battery cells	36 V; 6.2 Ah Lithium ion cells, leakproof and maintenance-free 24 months guarantee
Battery power	224 Wh Safe for air transportation according to IATA
Range	Up to 20 km, depending on the ground surface, the weight of the person, temperature and terrain

## Battery charger

Input voltage	100-240 V
Frequency range	50-60 Hz
Output voltage	48 V (DC)
Charging current	1 A
Charging time	Approx. 6 hours

## Weight

Drive unit	7.2 kg
Control unit	250 g
Battery charger	500 g
Control unit bracket	Approx. 100 g**
Crossbar/camber tube bracket	Approx. 230 g**



FOR FURTHER INFORMATION:

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