



Alber® | **e-motion**®

Power assist for wheelchairs



A manual wheelchair makes it possible to move around and promotes activity. For most wheelchair users it is however often impossible to access all areas of everyday life - even with adequate physical strength. Slopes, kerbstones, thresholds regularly present insurmountable obstacles. The new **Alber e-motion** power assist allows wheelchair drivers to keep and even raise their level of active mobility, and provides a variety of therapeutic benefits.



Increasing personal freedom

Already slight force to the push rims engages the electromotors to help propel the wheelchair. The **Alber e-motion** is at its best particularly, when driving uphill or driving long distance. Thanks to **e-motion** the wheelchair can also be slowed down with very little effort on steeper downhill slopes. The state-of-the-art Lithium-Ion batteries allow maximum range and thus independence for the **e-motion** user.

The sensitivity of the motion sensors can be adjusted for the left or the right wheel independently. With the **e-motion** Mobility App the user can connect to the **e-motion** wheels and select between four preset driving profiles. Clever and unique features such as the Cruise Mode (DuoDrive) or the Roll-Back Delay make it even more comfortable to drive with the **e-motion**.



Therapeutic benefits

Most people experience arm pain and degeneration after prolonged manual wheelchair use. The **e-motion** helps to prevent such disorders by reducing the strain on joints and muscles and offering exercise at the same time.

Portable and versatile

Thanks to its quick-release system, the **e-motion** can be removed from the wheelchair in no time at all. With 7,8 kg per wheel the **e-motion** is one of the most lightweight active drives available. The **e-motion** can be fitted to almost any manual wheelchair. Only small brackets have to be mounted on the chair in order to accommodate the **e-motion**. Existing manual wheels may be interchangeable with the **e-motion** drive wheel, allowing full manual operation of the wheelchair.

Features



e-motion ready for transport

The compact and lightweight components are easy to transport.



Push-rim

Using the push-rim activates the motors for assistance. The sensitivity can be adjusted in 7 steps.



Batteries

Latest Lithium-Ion technology provides excellent range and high durability. The on/off switch serves as charging plug and has a magnetic connection.



Drive wheels

Easy to detach from the wheelchair, available in diameters 22", 24" and 25".



Battery charger

Automatic charger with indicator light and automatic adaptation to the mains voltage

Options



DuoDrive (No retrofit possible)

with the DuoDrive control unit the operating mode of e-motion can easily be switched between manual driving and Cruise Mode (permanent driving). A turn on the knob is sufficient to set or change the cruise speed. In addition the control unit allows to switch between assist level 1 and 2 when in standstill (similar to ECS-Remote Control).



ECS Remote Control

Indicates the state of the batteries and allows to switch the **e-motion** on and off from a seated position. Provides two assist levels and activates the roll-back delay.



Anti-tip supports

With jack-up function. Adjustable in height, angle and length.



Holder for ECS remote control

With magnetic locking mechanism.



Push-rim options

For the **e-motion** several push-rim options are available always providing a perfect grip (stainless steel, stainless steel coated, Curve L, Quadro with Tetra-Gripp coating)



Tyre options

For the **e-motion** several tyre options are available (Rightrun 1", Marathon Plus 1", ProSpeed 1" made of massvie PU, Airless 1 3/8" with PU-inlet)

e-motion Mobility App

Thanks to the latest Bluetooth technology, the e-motion M25 can connect to all common smartphones. This allows a wide range of additional functions and possibilities that significantly expand the benefit and application spectrum of the **e-motion**.

The functions of the mobility app are divided into three different access areas:

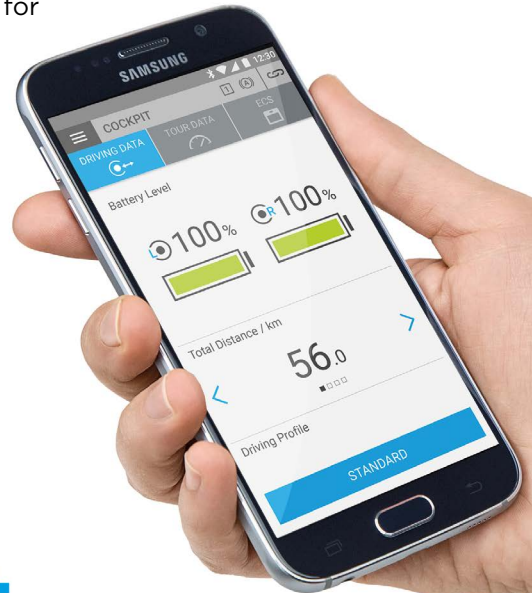
- Professional section for the specialist dealer or therapist (free of charge)
- The driving parameters of the e-motion can be individually set for each wheelchair driver using a specific PIN.

Customer section (free of charge)

- Selection of four pre-defined driving profiles
- Battery status display, speed and travelled distance
- Recording and managing of tours using GPS tracking
- Automatic discharge of batteries for storage or for air travel
- Display of detailed error messages with hints and remedies

Mobility Plus Package

The Mobility Plus Package activates a wide range of clever additional functions in the **e-motion** mobility app to get even more benefits from the **e-motion**



Speed increase the max. support speed from 6 km/h to 8,5 km/h	Remote Remote control of the unoccupied wheelchair	Push Counter Counts the pushes during a recorded tour	ECS Provides all functions of the ECS remote control	easyNavi Routing on barrier free paths	Cruise Keeps a permanent speed upon one single push	

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

	Speed	Range	Motor power	Permissible total weight	Weight of the person
e-motion	max. 6 km/h Optional 8,5 km/h with Mobility Plus Package	25 km (according to ISO 7176)	2 x 80 W	15,6 kg (one wheel: 7,8 kg)	150 kg



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