



E-MOTION[®]

POWER ASSIST FOR WHEELCHAIRS

**POWER
IN YOUR
HANDS.**



POWERFUL. LIGHT.
WELL DESIGNED.

EASY TO MOVE

The idea behind the e-motion is simple: You can add the e-motion drive wheels to almost any wheelchair using two discrete adapters. While moving, sensors built into the push rims measure your drive movement and provide you with the desired power. This allows you to move, steer and brake your wheelchair with very little effort. With a weight of only 17 lbs. per drive wheel, the e-motion is one of the lightest active add-on drives available.

The e-motion fits almost any standard wheelchair: simply exchange the wheels

●●● MADE IN GERMANY





LIVE YOUR
DAY

BE INDEPENDENT AND STAY MOBILE

The e-motion gives you the extra power you need to master each day and do more on your own. Thanks to the built-in lithium-ion batteries, the new e-motion can reach speeds of up to 5.3 mph and travel a distance of up to 15.5 miles. So you do not have to worry about recharging in between and can enjoy your independence fully.

*3.7 mph in the standard version. 5.3 mph with Mobility Plus Package. More information on page 16.



Lithium-ion batteries for maximum range and long service life

The modern, highly efficient e-motion motor technology provides maximum torque for the noiseless and lightweight drive wheels

Integrated communication module for ECS-Remote control or smartphone app



STAY FIT AND ACTIVE

CONQUER FREE SPACES

The e-motion supports you in just about every situation, including longer distances, slopes and breaking downhill. Thanks to the e-motion's highly efficient, noiseless motor, you will be able to travel further and still be able to maintain your independent mobility. With e-motion you expand your radius of action, keep moving and train your vital functions. At the same time, you can help protect your muscles and joints from fatigue allowing you to stay relaxed and active longer.



RELAXED THROUGH THE DAY



The lightweight e-motion drive wheels (about 17 lbs. each) can be easily removed from the wheelchair in no time at all and they fit in just about every car trunk.

THE IDEAL COMPANION FOR EVERYDAY LIFE

Whether at work, shopping or relaxing: the e-motion is extremely maneuverable. The e-motion wheels can be removed from the wheelchair in a single movement and loaded into most trunks. The wheels can be used with most manual wheelchairs. The e-motion is great for traveling and has been designed according to the guidelines of IATA to allow the transport of the wheels, including the batteries, in the cargo area of the aircraft.



Quick and easy: The e-motion wheels can be attached and removed in no time at all using the quick-release mechanism.



Everything under control: On/Off switch with magnetic EasyConnex charging socket. The plug of the e-motion battery charger automatically finds its position.



Light and discreet: Pre-assembled bracket on the wheelchair for docking the e-motion wheels

COMFORTABLE OPERATION



EVERYTHING UNDER CONTROL THANKS TO ERGONOMIC- CONTROL-SYSTEM (ECS)

With the optionally available ECS remote control, you can switch the e-motion on and off comfortably from your seat and switch between two different assistance levels for indoor and outdoor use. A special learning mode is also available for inexperienced drivers, which gently introduces you to the handling of the e-motion. You can also use the ECS remote control to activate the patented roll-back delay of the e-motion. It automatically holds you on the spot for 5 seconds as soon as you let go of the push rim when driving uphill. This leaves you with enough time to reposition your hands without the wheelchair rolling backwards.

ECS remote control: operate both e-motion wheels comfortably from the sitting position



PERFECTLY TAILORED FOR ME



INDIVIDUALLY ADAPTABLE

The e-motion is flexible: it is compatible with a wide variety of wheelchair models and can be adapted to your individual needs. The sensitivity of the push rim sensor can be adjusted independently on both drive wheels. So more or less strength in one arm is not a problem. The e-motion has additional adjustments that can be made to optimize performance to meet your needs and driving style. The e-motion is available in three wheel sizes (25", 24", 22") and can be equipped with ergonomic push rims on request. This ensures optimum grip in most driving situations.



Sensitivity of the push rim sensors adjustable in seven increments



Coated Quadro push rim: control and power transmission also with limited hand function



THE E-MOTION **MOBILITY APP:**

Smartphones have become an integral part of our everyday lives. It goes without saying that e-motion also makes full use of the benefits of this technology. The free e-motion Mobility App will help you customize your driving experience in many ways. The app offers four preset driving profiles:

- 1. Standard:** lively but balanced handling for everyone.
- 2. Sensitive:** for persons with limited hand function and/or relatively low arm strength, who need a high degree of power assistance while driving.
- 3. Soft:** for rather untrained persons who prefer a passive driving style.
- 4. Active:** for people with full hand function and/or relatively high arm strength who prefer a more sporty driving style.



View the current speed, mileage or battery level of the e-motion as well as record your trips via GPS.

Free Download



With Cruise Mode you have your hands free for the more beautiful things in life.



KEEP YOUR
HANDS FREE



MOBILITY PLUS PACKAGE: CLEVER ADDITIONAL FUNCTIONS ON THE GO

Have both hands free while moving or an extra burst of speed if you want to go faster! With the Mobility Plus Package you can activate a variety of clever additional functions in the Mobility App. This gives you even more from your e-motion!



**DOWNLOAD THE COMPLETE MOBILITY
PLUS PACKAGE TO YOUR SMARTPHONE!**

Available from the Play
Store or App Store.





SPEED

- Increase the maximum support speed of your e-motion from 3.7 mph to 5.3 mph and get to your destination faster
-



REMOTE

- Remote control of the unoccupied wheelchair via your smartphone, e.g. for "parking"
 - Control either via integrated tilt sensor of the smartphone or virtual joystick in the app
-



ECS

- Use the ECS remote control functions on your smartphone
 - Change assistance levels (1, 2 & learning mode)
 - Activate the rollback delay
-



CRUISE

- Ideal for longer rides and hands-free driving
 - Activated with a drive movement above 1.24 mph and maintain this speed without further pushes (also works on uphill and downhill slopes)
 - The speed can be increased at any time by additional pushes on the push rim or in the app
-



EASYNAVI

- Easy start/destination navigation with wheelchair accessible routing
 - Function for importing routes (GPX)
 - With switchable voice output
 - Map material: Open Street Map
-



PUSH-COUNTER

- Counts your drive movements on the e-motion push rims during a trip
 - Evaluate your driving behavior and optimize your driving style
-

Prices are subject to change.

YOU'VE GOT
THE POWER



TECHNICAL DATA

| | |
|-----------------------------|---|
| Weight per wheel | 17.1 lbs |
| Support speed | Max. 3.7 mph (with Mobility Plus Package max. 5.3 mph) |
| Range | Up to 15.5 miles |
| Power/Torque | 80 Watt / 40 Nm per wheel |
| Maximum user weight | 330 lbs |
| Maximum total weight | 418 lbs |
| Maximum climbing capability | Depending on the wheelchair used |
| Available wheel sizes | 22", 24", 25" |
| Accessories available* | Mobility Plus Package, ECS remote control, magnetic holder for ECS remote control for the wheelchair, Schwalbe Marathon Plus tires, puncture-proof tyres 1" solid PU or 1 3/8" with casing and PU insert, push rims with coating, ergonomic push rims Curve L and Quadro, spoke cover with and without decoration |

* Further accessories at www.alber-usa.com

YOU CAN RELY ON E-MOTION

e-motion is a product from Alber, the specialist for portable and user-friendly mobility aids. Independent institutions have tested and rated the e-motion for durability, quality and reliability. First and foremost for us are safety tests – for example by the TÜV: At Alber, you will always receive tested product safety according to the latest guidelines for medical products.

e-motion is an approved medical device. Your medical supplies dealer will happily answer any questions regarding reimbursement. e-motion is CE-compliant according to the European Medical Devices Directive (MDR) 2017/745 and is tested and certified on a voluntary basis by the TÜV Süd, in line with the currently valid edition of the product standard EN 12184.

Our company is certified to the latest quality management standard (including the respective latest amendments) set out in ISO 13485 for medical devices. With our environmental management system, certified to ISO 14001.



Magnetic holder for ECS remote control for mounting on the wheelchair (accessory)



Curve-L push rim: ergonomic hand position and optimised power transmission for people with good hand function (accessory)



Automatic battery charger: Automatically adapts to the voltage and charges both e-motion batteries in a few hours (included in the scope of delivery)

POWER IN **YOUR HANDS**
WITH **E-MOTION.**
TRY IT TODAY!



**CONTACT YOUR INVACARE SALES REPRESENTATIVE
TO LEARN MORE OR SCHEDULE A DEMO.**

888.426.8581 | info@alber-usa.com | alber-usa.com

Alber USA LLC | 1005 International Drive | Oakdale, PA 15071

Please refer to the Alber and wheelchair users manuals for additional safety information and instructions.



©2021 Invacare Corporation.
All rights reserved.
Trademarks are identified
by the symbols ™ and
®. All trademarks are
owned by or licensed
to Invacare Corporation
unless otherwise noted.
Specifications are subject to
change without notification.
Form No. 20-248 201240