



**E-MOTION®**

POWER ASSIST FOR WHEELCHAIRS



**EXPERIENCE  
"WOW!"**

**M25**



POWERFUL. LIGHT.  
WELL THOUGHT OUT.

# EXPERIENCE EFFORTLESS

The concept of e-motion is to provide a simple solution and provide power assistance for your everyday life. You can combine the e-motion drive wheels with 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 motor power. This allows you to move, steer and brake your wheelchair with very little effort. Each e-motion drive wheel has a weight of only 7.8 kg making it one of the lightest active add-on drives on the market.

**e-motion fits almost any standard wheelchair:  
simply replace the wheels**

●●● MADE IN GERMANY



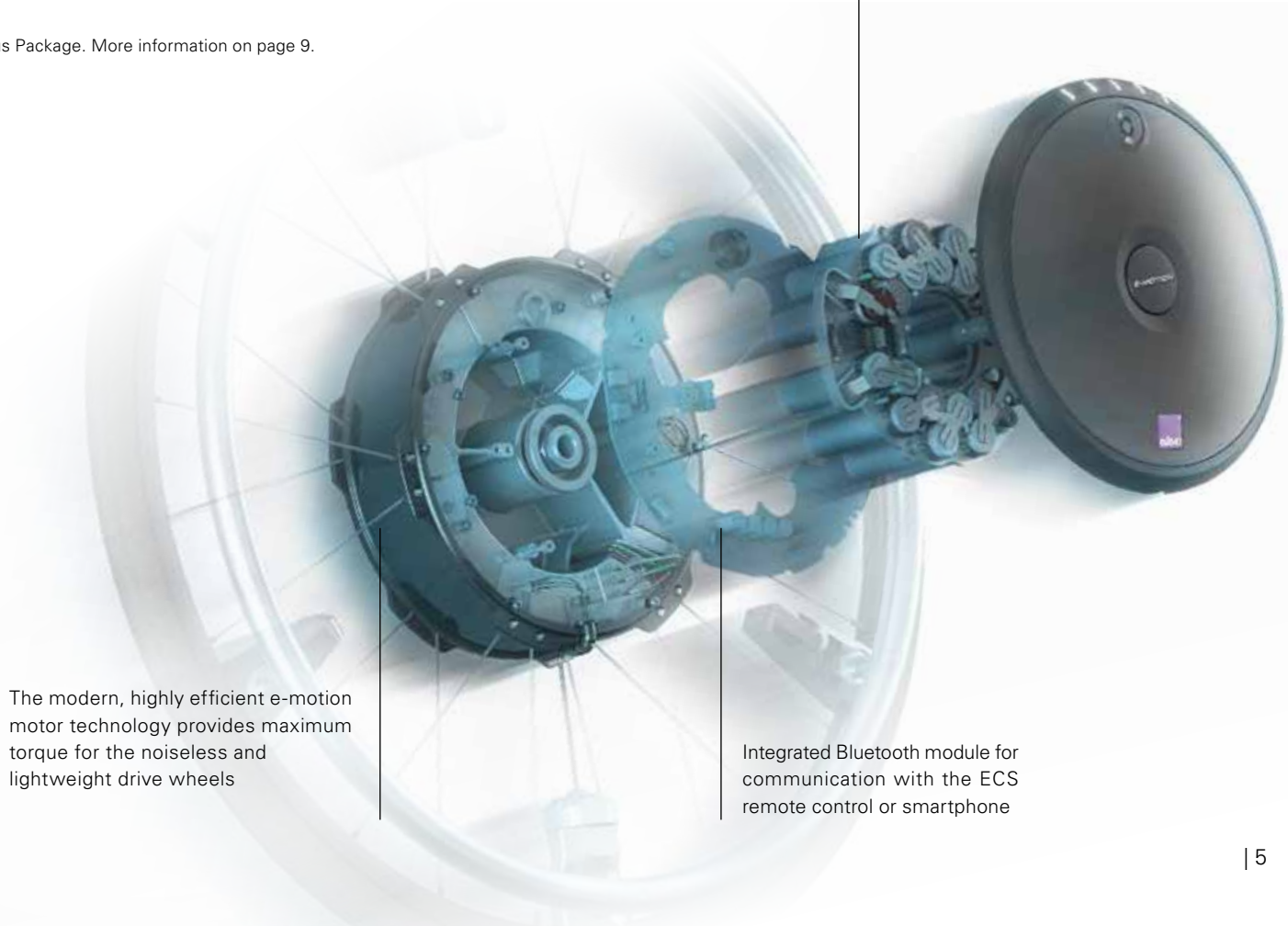


LIVE YOUR LIFE  
YOUR WAY

# EXPERIENCE INDEPENDENCE

e-motion gives you that extra boost you need to conquer each day, including the extraordinary things in life, on your own. With a support speed of up to 8.5 km/h\* and a range of up to 25 km, you can reach your destination with ease and minimal assistance. Thanks to the built-in lithium-ion batteries, you no longer have to worry about recharging in between journeys and can enjoy your independence to the full.

\*6 km/h in the standard version. 8.5 km/h with Mobility Plus Package. More information on page 9.



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 Bluetooth module for communication with the ECS remote control or smartphone



## EXPERIENCE FREEDOM

Whether it's longer distances, slopes or a few kilos more in your luggage, e-motion supports you in every situation, even when braking downhill. This is ensured by its highly efficient and silent electric motors.

With e-motion, you can expand your range of action, keep moving and train your vital functions. At the same time you permanently protect your muscles and joints from overwork. This way you will always stay active and reach your destination with ease.

With rollback delay you can be confident when braking downhill or handling slopes or ramps



### Quick and easy

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



### Under control

On/Off switch with magnetic EasyConnex charging socket. The e-motion battery charger automatically finds its position.



### Light and discreet

The pre-assembled bracket on the wheelchair for docking the e-motion wheels.

# EXPERIENCE CONTROL

The ECS remote allows you to switch the e-motion drive wheels on and off easily from your seat, and switch between two different assistance levels to suit both indoor and outdoor use. A learning mode is available for those with less experience, which gently introduces you to the handling of e-motion with a particularly smooth setting. If required, you can use the ECS remote to activate the patented roll-back delay of the e-motion drive wheels. 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**





## E-MOTION **MOBILITY APP:** SMART ASSISTANT ON THE GO

Smartphones have become an integral part of our everyday lives. It goes without saying that e-motion also makes full use of the benefits with this technology. The **free** e-motion Mobility App provides you with several preset driving profiles:

**Standard:** lively but balanced handling for everyone.

**Sensitive:** for individuals with limited hand function and/or relatively low arm strength, who need a high degree of power assistance while propelling.

**Soft:** for the untrained individuals who prefer a passive driving style.

**Active:** for people with full hand function and/or relatively high arm strength who prefer a more sporty driving style.

You can also view the current speed, mileage or charge level of e-motion batteries and even record and save tours via GPS.



**Free Download**

Available from the Play Store or App Store.





# MOBILITY PLUS PACKAGE: USEFUL FUNCTIONS FOR YOUR EVERYDAY

Have both hands free while moving or an extra dose 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 so you can experience even more with your e-motion!



## SPEED

- Get to your destination faster by increasing the maximum support speed of your e-motion from 6 km/h to 8.5 km/h



## 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
- Changing assistance levels (1, 2 & learning mode)
- Activating the rollback delay



## CRUISE

- Ideal for longer rides, pushing a shopping trolley or travel trolley
- Activated with a drive movement above 2 km/h and maintains this speed without further pushes including inclines
- 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 routes
- Function for importing routes (GPX)
- With switchable voice output
- Open Street Map



## PUSH-COUNTER

- Counts your drive movements on the e-motion push rims during a tour
- This way you can evaluate your driving behaviour and optimise your driving style

**SAVE MONEY AND DOWNLOAD THE COMPLETE MOBILITY PLUS PACKAGE TO YOUR SMARTPHONE!**

# FEATURES AND OPTIONS



### 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 just 7 steps.



### Battery charger

Automatic charger with indicator light and automatic adaption to the mains voltage. It charges both e-motion batteries in a few hour.



### Batteries

Latest Lithium-ion technology provides excellent range and high durability. The On/Off switch serves as the charging plug and has a magnetic connection.



### Drive wheels

Easy to detach from wheelchair, available in diameters 22", 24" and 26".



### ECS remote control

Indicates the health of the batteries and allows turning 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 for mounting on the wheelchair.



### Push-rim options

Several push-rim options are available always providing a perfect grip (stainless steel, rubber coated, Curve L, Quadro mit Tetra-Gripp coating)



### Tyre options

Several tyre options are available (Rightrun 1", Marathon Plus 1", ProSpeed 1" made of PU, Airless 1 3/8" with PU-inlet)



# YOUR QUESTIONS ANSWERED



## **Can e-motion be fitted to my wheelchair?**

e-motion can be fitted to almost all modern wheelchair models by mounting a bracket on the wheelchair frame.

## **Which e-motion versions are available?**

- Wheel sizes: 22", 24" or 26"
- Push rims: stainless steel, rubber coated, CarboLife Curve L & Quadro
- Tyres: puncture-protection pneumatic tyres, solid tyres.

## **What accessories are available for e-motion?**

Anti-Tippers, spoke covers, rubber covers for push rims, remote control holder, replacement battery pack, push rim covers.

## **Can I fly with my e-motion wheels?**

Yes, e-motion drive wheels are suitable for air travel. Please check with the airline prior to travel. Further information and guidance is available on the Civil Aviation Authority website.

## **How do I charge e-motion?**

The Alber charger must be connected to both e-motion wheels and should be fully charged within 6 hours.

## **How fast is e-motion?**

Up to 6 km/h as standard or up to 8.5 km/h with the Mobility Plus Package. The speed achieved depends on the strength of the propelling movement.

## **How heavy may a person using e-motion be?**

e-motion allows a maximum weight of 150 kg/23 stone.

## **How much does e-motion weigh?**

7.8 kg per drive wheel.

MADE IN GERMANY



Made in Germany by the market leader for add-on drives. e-motion conforms to EC Directive 93/42/EC concerning medical devices and was voluntarily audited by TÜV Süd according to the current version of the product standard EN 12184.

## TECHNICAL DATA

Weight per wheel	7.8 kg
Support speed	Max. 6 km/h (with Mobility Plus Package max. 8.5 km/h)
Range	Up to 25 km
Power/Torque	80 Watt / 40 Nm per wheel
Maximum user weight	150 kg
Maximum total weight	190 kg
Maximum climbing capability	Depending on the wheelchair used
Available wheel sizes	22", 24", 26"
Accessories available*	Mobility Plus Package, ECS remote control, magnetic holder for ECS remote control for the wheelchair, Schwalbe Marathon Plus tyres, 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 can be found at [www.invacare.co.uk](http://www.invacare.co.uk)



# E-MOTION®



**Invacare® UK Ltd**  
 Pencoed Technology Park,  
 Bridgend CF35 5AQ  
 Phone: 0156 776222 E-mail:  
[uk@invacare.com](mailto:uk@invacare.com)



[www.invacare.co.uk](http://www.invacare.co.uk)  
[www.invacare.ie](http://www.invacare.ie)



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