



Simply mobile.

e-motion[®]

Power assist for wheelchairs



Power at
your hands.

www.alber.de

*„Uphill slopes can
be overcome easily
again.“*



Push more easily

e-motion merges active mobility with therapeutic benefit. Even wheelchair drivers with impaired strength can move around independently with the help of e-motion.

Users have a chance to stay mobile while exercising their vital functions. The load on muscles and joints is relieved. Only minimal force is required to drive the chair alone and the driver's radius of action is increased. e-motion makes an important contribution to its owner's independence.

A manual wheelchair with extra thrust

Thanks to the gearless drive technology and the exceptionally low noise level, you can get to where you want to discreetly and quietly. e-motion has electric motors integrated in the wheel hubs to support the wheelchair driver's pushing force. Each pulse on the push rim is detected by e-motion's intelligent sensors and converted to precisely the required degree of power assistance – a kind of power steering function for wheelchairs.

With this extra thrust, even long distances, ramps or slopes can be overcome without having to rely on a helper. e-motion even lets you go downhill: its power assistance boosts the braking pulse, so that driving down a steep slope is not only safe but also a relaxing experience. The energy for this purpose is supplied by ultra high-power lithium-ion batteries, so that a wide radius of action and unprecedented durability are guaranteed.

State-of-the-art battery technology

The lithium-ion batteries integrated in the wheels are a world premiere from Alber. They provide a significantly extended range and last much longer than conventional battery types. Maintenance free with no memory effect – enjoy the benefits of full battery power!



An excellent choice

The modern drive concept, based on a powerful electric motor and ultra long-lasting lithium-ion batteries, have already earned e-motion M15 the title "Focus Green 2008," an international design award presented by the South-West German region of Baden Württemberg as well as best innovation award at the REHACARE Düsseldorf, the most important Trade Fair for rehabilitation-technics in the world.

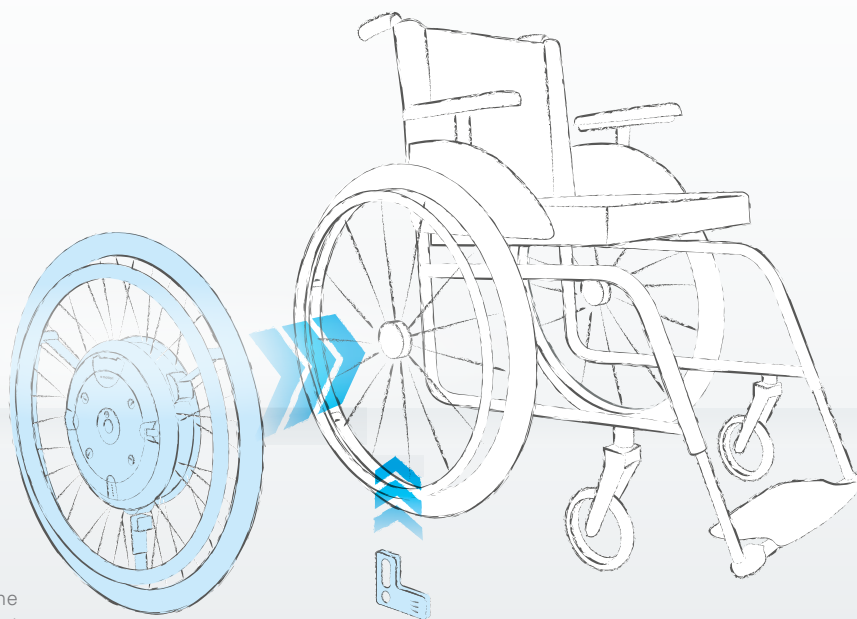




Fits to your needs

e-motion fits most of the wheelchairs normally available on the market. The old wheelchair wheels can simply be exchanged for e-motion drive wheels. In virtually every case, your existing, individually adjusted wheelchair can thus continue to be used.

It takes just a few small brackets to fix the drive wheels to the frame of the chair. As a rule, the manually operated wheels can still be chosen as an alternative to the e-motion wheels. The desired method of motive power – manual or electrically assisted – is always available in other words.



①

Power assisted wheel with battery pack: Easy to fix onto the wheelchair with quick-release fastener and just as easy to remove again in a moment to save space in transport.

②

Bracket: fits most wheelchairs



Ergonomic Control System [ECS]

(optional*)

The new ECS combines therapeutic benefit with individual adjustment. e-motion can be switched on and off from an up-right sitting position using the remote control. In addition, two selectable power stages assure optimal driving convenience – precisely adapted to each user's personal mobility restriction and needs.

Wheelchair drivers will also appreciate the rollback delay which prevents the chair from rolling backwards down a slope and is an invaluable aid on steep hills. The high-contrast display shows the battery charge as well as various service and diagnostic codes. Thanks to the large buttons, all functions can be easily accessed even with restricted hand use.

Numerous parameters, such as the assistance level or after-running of the motor, can be freely programmed with the ECS by your therapist or dealer according to your specific requirements.



Rollback delay



Remote battery monitor



Remote control



Self-diagnosis



Two assistance levels



Coded radio transmission



*) Depending on the region or reimbursement situation ECS is not always included in the scope of delivery but can be retrofitted at any time. Only with ECS two selectable power stages and the rollback delay features are available on your e-motion. Your medical supplies dealer will happily answer any questions.

Ideal for out and about

Apart from its driving performance, e-motion also impresses with its handling convenience and easy transport. You benefit from a significantly extended radius of action that adds to the enjoyment of outings or holidays.

The e-motion wheels and their integrated batteries can be dismantled from the wheelchair and stowed away in the boot of a car in a matter of seconds. Alternatively, any folding wheelchair can still be folded even with e-motion attached, thus saving space.

The battery charger supplied with e-motion adapts automatically to any mains voltage from 100 to 240 V – an immense advantage for all those who like to travel. If part of the journey involves flying, the batteries can also be disconnected from the wheel and carried separately.



Removing the e-motion wheel from the wheelchair



Easy to dismantle, easy to transport



Automatic battery charger

Service



Nice, when there's no need to worry! Our unique 48-hour mobility service gets you mobile again within a short space of time after any malfunction.

MADE IN GERMANY

Made in Germany by the market leader for add-on drive systems.

e-motion can be relied on

e-motion is a product of Alber, the specialist in highly portable and user-friendly mobility aids. Independent institutions have tested and positively evaluated the longevity, quality and robustness of the e-motion.

Safety is our top priority. Which is why our products are constantly inspected by various institutions. By TÜV, for instance, the German Technical Control group which certifies product safety in accordance with the guidelines for medical products.





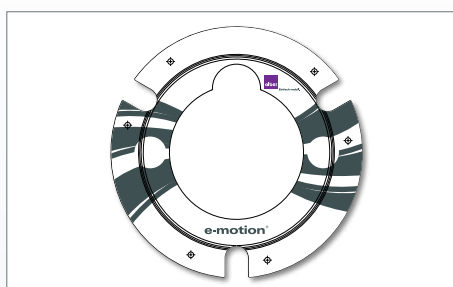
„Brilliant! I just can take e-motion out and about wherever I want.“

Practical accessories

The functions of the standard e-motion model can be extended with useful accessories according to individual requirements.

Please feel free to try out e-motion free of charge and without any obligation in the comfort of your home.

Simply fill in the demonstration voucher on the back of this brochure and return it to us.



Spoke cover



Ergonomic Control System [ECS]



Failsafe tyres



Anti-tippers with jack-up function for easy removal of the wheel



Rubber-coated push rims for improved grip

e-motion at a glance.

Common questions and answers.

"Can e-motion be fitted to my wheelchair?"

e-motion can be fitted to almost all conventional wheelchair models. A bracket is mounted on the wheelchair frame to support the e-motion wheels. The manual wheelchair wheels can still be used.

"Which e-motion versions are available?"

- Wheel sizes: 22" or 24"
- Push rims: stainless steel
- Tyres: puncture-protection pneumatic tyres (serial), failsafe tyres (optional)

"What accessories are available for e-motion?"

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

"How far can I travel on a single battery charge?"

The drive engineering employed in e-motion means that the achievable range depends very heavily on the respective conditions of use. Indoor movement involving continuous use of motor power for starting, steering and braking reduces the range considerably more than consistent movement outdoors. A battery charge can be sufficient here for a distance of approximately 25 km under favourable conditions.

"How do I charge e-motion?"

The supplied Alber charger is connected to both e-motion wheels which are charged up within 6 hours.

"How fast is e-motion?"

e-motion does not have a definite maximum speed level. The speed achieved depends on the strength of the propelling movement, as is the case with manual wheelchairs. e-motion assists the propelling movement up to 6 km/h.

"How heavy may a person using e-motion be?"

e-motion is designed for a maximum person weight of 286 lb/130 kg, regardless of the type of wheelchair used.

"How much does e-motion weigh?"

2 wheels (22 lb/10 kg each)

e-motion is an approved medical device. Your medical supplies dealer will happily answer any questions regarding reimbursement.

e-motion conforms to EC Directive 93/42/EC and amending directive 2007/47/EG concerning medical devices and was voluntarily audited by TÜV Süd according to the current version of the product standard EN 12184.

Our claim to quality is your guarantee of safety! Our company is certified to the latest quality management standards (including the respective latest amendments) set out in ISO 9001 and ISO 13485 for medical devices. With our environmental management system, certified to ISO 14001, we ensure the environmentally compatible manufacture of our products.

Weight information e-motion M15

Max. user weight:	130 kg *
Max. total weight:	180 kg *
	(e-motion, wheelchair, wheelchair driver)



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