



Simply mobile.

*twion*<sup>®</sup>

The electric drive for active wheelchairs



Energize your  
wheelchair.

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



# Pushing the boundaries.

In today's world, one thing matters more than anything: Independence. We all want mobility devices that can be adapted to our dynamic lifestyles, and are efficient, smart and fun to drive.

With the twion wheels Alber has created an intelligent and especially flexible solution for every day mobility which will allow you to expand your possibilities and reach and maintain the highest levels of independence.

It features state of the art electric motors equipped with the most modern software and electronics to provide enough extra power with each push on the rim to comfortably overcome longer stretches or to easily surmount slopes. The driving sensor, positioned on the push rim, continuously and precisely determines the correct amount of assistance. Giving you the option to use manual or power assist to suit your lifestyle.

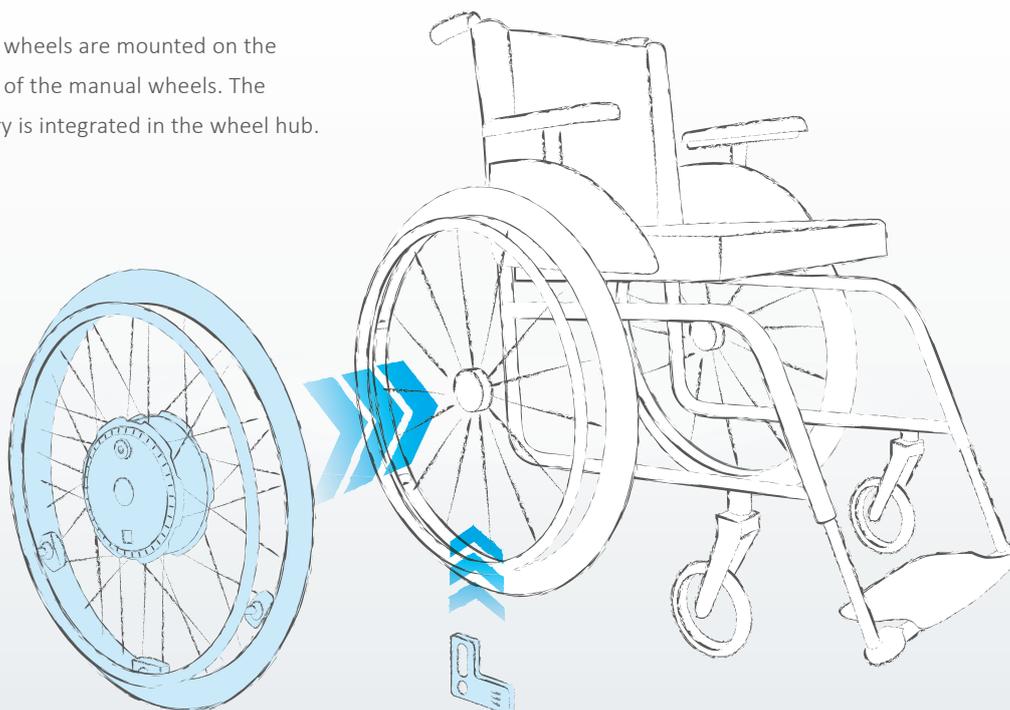
## Remain flexible.

Since twion is suitable for virtually all common active wheelchairs, you can continue to use your current wheelchair. This is made possible by a small, lightweight bracket that is fixed on the wheelchair frame.

Thanks to a convenient stub axle system, you can flexibly choose between manual wheels or twion.

## twion components:

The power-assisted wheels are mounted on the wheelchair in place of the manual wheels. The rechargeable battery is integrated in the wheel hub.





# Experience independence.

Cars play a central role in our mobile world and have become almost indispensable. The twion can be easily transported in a car or used with any public transportation service in order to give you maximum flexibility and independence.

The wheels can easily be detached with a quick release mechanism for easy loading. Twion wheels are a combination of the latest digital motor technology, and high tensile aluminium which result in a set of lightweight and highly efficient wheels which are strong and durable.

## Feel the speed.

Modern lithium batteries situated in the wheel hubs provide the twion with sufficient energy to push your drive speed up to 10 km/hour, and the highly efficient energy recovery system feeds current back to the batteries when braking which can provide up to 10 % increased range and therefore greater freedom.

\* Depending on version and options.



Only 6 kg  
per wheel\*



## Experience design.

Exclusive, simple and perfectly formed with every detail, the design makes twion the perfect mobility companion for those leading active lifestyles. High-quality processing yet intuitive and user-friendly, Alber sets the highest quality standards for the materials used and the design.

The brand new innovative EasyConnex charging plug with magnetic force, automatically finds the correct position on the socket and also serves as an integrated multi-functioned on/off switch.



# twion Mobility App.



## Smart connection.

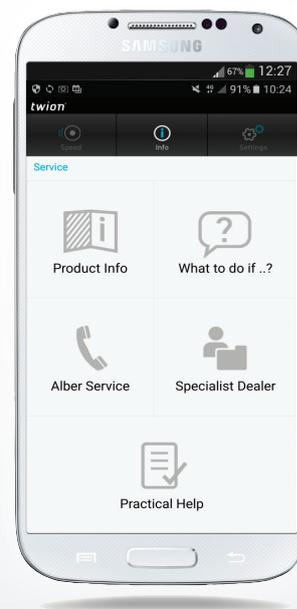
Smartphones have become firmly established in our modern society as the centre of communication. We have taken advantage of this technology and developed a specific app to help you get the maximum out of your twion wheels.

The diagnostics function is very helpful. It helps to identify faults and makes contact with the Alber Service Team if necessary.

Functions at a glance:

- Quickstart guide, brief operating instructions
- List of specialist dealers worldwide
- Troubleshooting with solution management
- Contact specialist dealer or Alber Service Center directly
- Practical tips on all aspects of the twion

The optional Mobility Plus package contains a wide range of clever features that can be added to the twion app, including the new cruise mode function and the helpful remote control.



The twion app:  
available in the Google  
Playstore and App Store.



Free download

# twion Mobility Plus Package.

More useful features for your twion



With the optionally available Mobility Plus package you can benefit from a multitude of useful features. For example, the maximum assistance speed can be increased from 6 to 10 km/h\*. At the same time, the Mobility Plus package enables direct communication with the wheels in real time. This way the app provides you with all important status information such as distances travelled, battery level and calories burned. Those who like things sportier, can select a more dynamic driving profile or create and save tours via GPS.

With the help of this Mobility Plus function twion automatically holds the speed after a single push with no additional effort on the driver's part which is ideal when pushing a shopping trolley or transporting a suitcase.

The Mobility Plus package contains a cover ring with an exclusive design, a booklet with operating instructions and a license code to activate the features described on the following page.

For this, a smartphone with Bluetooth connectivity and internet access is required. The Mobility Plus Package is available from your dealer.

## The functions of the Mobility Plus package



For Android Smartphones and iPhones



Increase the maximum assistance speed from 6 km/h to 10 km/h.\*



Cockpit with battery display and driving information



Cruise control function



Remote control



Tour mode



Personal settings

\* Country specific laws and regulations to be respected)

Available from your dealer

# An overview of the functions



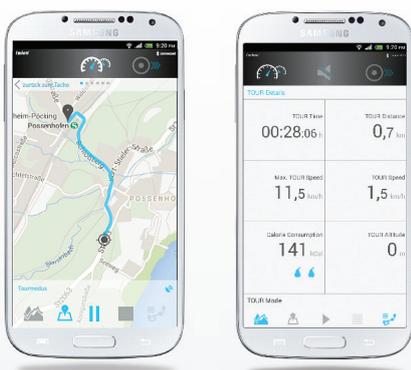
## Dashboard with driving information.

- Display of driving parameters including battery status, average speed, maximum speed, current speed, altimeter, odometer
- Simple switchover between ECO mode (less motor assistance for greater range) and SPORT mode (more dynamic ride with longer follow-up time of the motor)
- Increase power assist from 6 km/h to 10 km/h\*



## Cruise control function.

- Maintains a desired speed consistently
- Is activated by a single push on the rims faster than 1 km/h and holds the speed automatically without further movement.
- Speed is simply increased through additional pushes
- Ideal for longer walks on flat surfaces, pushing a shopping cart or for transporting a travel trolley



## Tour mode.

- Recording and display of journeys using a GPS signal
- Detailed display of tour data such as distance covered, time, altimeter and number of calories burned
- Tour data is stored in chronological order



## Remote control.

- When the wheelchair is unoccupied it can be controlled remotely using your smartphone
- You can choose whether to control it with the built-in inclination sensor (by gently tilting the smartphone) or with a virtual joystick

# The advantages at a glance.

## Facts.



- Dynamic power assist up to 6 km/h (optional 10 km/h)
- Silent and efficient: Motors with latest state of the art digital technology and highly energy efficient
- Lightweight: from 6.0 kg per wheel
- Powerful Lithium-ion batteries integrated in the wheel hub
- Up to 12–20 km range with a single battery charge
- EasyConnex plug with magnetic contacting on the charger socket
- Cruise Mode and many other helpful features via smartphone app (optional)
- Display of driving information directly on your smartphone (optional)
- Can be combined with all common wheelchairs thanks to a discrete lightweight bracket
- The manual wheels of the chair may still be used as alternative
- Max. user weight: 120 kg
- Max. total weight: 145 kg (twion, wheelchair, wheelchair driver)



# Smart technology on the move.

So small. So good.

Thanks to the lightweight construction the twion wheels can be easily removed from the wheelchair and stowed away in the trunk of any car. Once at your destination, the twion is once again ready to use.



# twion can be relied on.

## Quality made in Germany.

twion 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 twion. Alber products are manufactured to the highest standards and are tested independently by TÜV – the German standards authority, in accordance with the latest guidelines for medical devices.



MADE IN GERMANY

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

twion is an approved medical device.

twion 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.

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