



The multi-purpose electric drive

The 2 in 1 solution for maximum mobility

*max 2*

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## max 2 — a new definition of flexibility

The max 2 has the advantages of a lightweight electric drive, which can simultaneously be used as a pushing and braking aid.

With the max 2 you enlarge your personal range of operation in more than a literal way because the newly found mobility and independence also increase your quality of life.

Since the max 2 can be adapted to almost any type of wheelchair, you can be sure to continue using your own, familiar wheelchair.



# max 2



## Adapting mobility



### Advantages that convince

- **Lightweight electric drive to drive on your own**
- **Intuitive, direct steering**
- **Also applicable as pushing and braking aid**

The steering to drive on your own works — not as otherwise common — via joysticks or a central steering column, but in a classic way via two operating grips.

A lightweight and flexible accessory drive for manual wheelchairs, the max 2 convinces by means of its easy handling and intuitive operation.

Due to its particular drive concept you can drive on paved as well as unfortified paths. Even divided ramps are not an obstacle for the max 2.



## En route — easy to transport in no time at all

Due to its low weight the max 2 can be easily stored. Since all assembly parts are designed in a compact and handy way, the max 2 fits into very narrow spaces.

Consistently implemented detailed solutions make mounting and dismounting the max 2 on the wheelchair an easy exercise.

The dismantled components of the front steering can be easily stored in the serially included storage bag for the wheelchair.

The operating grip is equipped with all important functions. The display informs you at one glance about fundamental information concerning the drive and the state of the battery.





## Drive systems technology — intelligent and combined in various ways

The max 2 is powered by a strong electric motor. Rechargeable batteries provide the energy. The transmission of power takes place by two drive shafts catching the powered wheels' toothings.

Coupling and uncoupling of the drive shafts are done pneumatically via the operating grip.

The ergonomic grips are adjustable to each user.

If the max 2 is used as pushing and braking aid, the device supports the assistant pushing the wheelchair uphill or on difficult terrain as well as braking it while going downhill.

----- Climbing - and braking capacity up to 20 % -----



1. Remove the vertical bars



2. Remove the steering bar

## Multi-functional technology quite simple — converting the max 2



Converting the max 2 is really easy. It happens in no time at all and without tools.

To use the max 2 as a pushing and braking aid, you simply need to put the grips in the grip holder at the handle of the wheelchair, remove the vertical bars and the horizontal bar between the small steering wheels.

In next to no time you can dismantle the front steering.

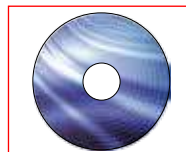


## Complete equipment and all accessories — adapted to your wishes and requirements

The max 2 is a fully-equipped electric add-on drive for your manual wheelchair consisting of the drive, battery pack, grips, front steering including a storage bag, charger, power cable, and a pair of wheels with toothed rings.

Brackets for almost all types of wheelchairs are available. To adjust the max 2 to your personal requirements as well as your wheelchair, we offer you a great variety of practical accessories.

### Accessories for your wheelchair



Spoke protection



Anti-tilt support



Mega battery pack



Brackets for the wheelchair



Voltage converter

# Ground-breaking through innovative technology — max 2 convinces on all counts

At AAT it is our goal to provide you with more mobility and independence by means of intelligent solutions. The max 2 is proof of this philosophy exhibiting all our know-how and expertise based on long-standing experience in developing powered systems for wheelchairs.

Benefit from our know-how with a power-supported accessory drive for your wheelchair that can offer you numerous advantages.

- **Lightweight electric engine to drive on your own**
- **Intuitive direct steering**
- **Also applicable as pushing and braking aid**
- **Individual mounting to almost all commercially available wheelchairs**
- **10 level speed adjustment up to 5.5 km/h**
- **Easily stored and transported; fits in narrow spaces**
- **Lightweight, compact and manoeuvrable**
- **Classes of application: A, B**

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**CE** The max 2 coincides with the guidelines of the European Union 2006/42/EG, 2007/47/EG and 93/42/EG.

In the interest of progress we reserve the right for technical changes



AAT Alber Antriebstechnik is a member of the QVH and has been awarded the quality stamp according to the inspection of quality standards for medical vehicles. AAT is certified according to DIN EN ISO 9001:2008 and EN ISO 13485:2003 + AC:2007.

## Technische Daten

|  |  |
|--|--|
| Total weight approved                  | 200 kg <sup>(1)</sup><br>(person, wheelchair, max 2) |
| Possible wheel sizes                   | 24"  |
| Speed<br>Forward   backward            | adjustable on 10 levels<br>5,5 km/h   3 km/h         |
| Range with one charge of the batteries | up to 18 km <sup>(2)</sup>                           |
| Braking-/climbing capacity             | up to 20% <sup>(3)</sup>                             |
| Batteries                              | 2 x 12 V / 16 Ah                                     |
| Direct current motor                   | 24 V / 150 W   |
| Weight, drive including grips          | 8,8 kg   |
| Weight, battery pack                   | 10,2 kg  |
| Weight, power cable                    | 0,2 kg   |
| Weight, bag for battery pack           | 0,2 kg   |
| Weight, charger                        | 0,2 kg   |
| Weight, steering                       | 5,4 kg   |
| Total weight                           | 25,0 kg  |
| Class of application                   | A, B   |

(1) Please note the manufacturer's stipulations for the maximum load.

(2) According to ISO 7176-4, the range depends on the person's weight, the underground, the territory, the temperature, etc.

(3) At an approved weight of 130 kg, the braking - / climbing capacity also depends on the underground, the territory, the temperature, etc.



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AAT Alber Antriebstechnik GmbH  
Postfach 10 05 60 · D-72426 Albstadt

Tel.: +49.7431.12 95-0 · Fax: 12 95-35  
info@aat-online.de · www.aat-online.de