



The power support for your wheelchair

Experience power and movement in a new way

SERVO

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Effortless through your everyday life



Active mobility in an entirely new dimension

The SERVO makes it possible for wheelchair users — even with reduced strength — to move independently and increase their range of action.

Its standard program to drive uphill and downhill as well as its intelligent braking function make driving safely up- and downhill feasible.

The working concept of the SERVO combines physical power and active mobility while it relieves joints and muscles.



SERVO



The SERVO — a convincing performance with style



Advantages that convince

- Battery range up to 55 km
- NUI - New mounting and locking system of the powered wheels
- Powered wheels without stud axles

High-capacity motors, discreetly blending into the wheels, support the wheelchair user's initial movement.

The wheelchair user's impulses on the gripping rings are registered and put into motion due to the newly developed, intelligent sensor system.

The gearless SERVO initiates an entirely new driving feeling without making noise.



The powered wheels without stud axles are particularly easily stored, also in narrow spaces.



Easily mobile — everywhere

The SERVO – powered wheels are disengaged easily and without tools. Each foldable wheelchair with attached SERVO may be folded as before.

Due to the SERVO's new wheel mounting system, NUI, the powered wheels are easily stored next to or on top of each other.

The SERVO fits almost into any trunk because it can be stored in a space-saving way.

The SERVO's control unit indicates all important information and functions. The display shows the state of the battery and the selected driving level. You also turn the device on and off with the control unit.





ALPHA concept — synergy of power and effortlessness



Extremely lightweight and powerful



The ALPHA concept is the new measure of all things concerning state-of-the-art engines in connection with the newly developed battery pack with lithium ion technology. This concept is the reason why the SERVO reaches a range up to 55 km while the battery merely weighs 4.2 kg.

----- **Range up to 55 km** -----



1. Unlock the wheel



2. Remove the wheel

Innovative technology that inspires — mounting the SERVO



The wheels can be quickly and easily exchanged.

NUI[®] The newly developed mounting and locking system, NUI, does not need stud axles any more, which makes a fast and effortless mounting of the powered wheels to the wheelchair possible.

Since the SERVO can be mounted to almost all wheelchairs, you do not need to do without your personal wheelchair you are used to.

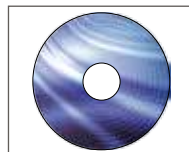


Equipment and useful accessories — individually adjusted to your needs

The SERVO is a completely equipped power-supported accessory drive for your manual wheelchair that is composed of powered wheels, battery pack, interface, charger and control unit.

Brackets are available as an accessory for almost all wheelchair types. We offer you a great variety of appropriate accessories so that you can adjust your SERVO optimally to your needs and demands.

Accessories for your wheelchair



Spoke protection



Anti-tilt support



Battery pack



Brackets for the wheelchair



Voltage converter

Ground-breaking due to innovative technology — the SERVO convinces on all counts

At AAT it is our motivation to provide you with more mobility and independence. The SERVO 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.

- **Lithium ion battery with a range up to 55 km**
- **NUI – novel mounting and locking system for the powered wheels**
- **Powered wheels without stud axles**
- **Supports the initial propelling movement up to 6 km/h**
- **Lightweight, compact and manoeuvrable**
- **ALPHA concept, a combination of state-of-the-art electrical drives and lithium ion batteries**
- **Individual mounting to almost all commercially available wheelchairs**
- **Easily stored and transported, also fits in narrow spaces**
- **Classes of application: A, B**

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CE The SERVO 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 ⁽¹⁾ (person, wheelchair, SERVO)
Max. weight of the person	150 kg
Possible wheel sizes	24"
Speed Forward backward	supports up to 6 km/h 3 km/h
Range with one charge of the batteries	up to 55 km ⁽²⁾
Braking-/climbing capacity	up to 20% ⁽³⁾
Batteries	28,8 V / 16 Ah
Direct current motors	2 x 28,8 V / 70 W
Weight, powered wheels	10,1 kg each
Weight, battery pack	4,2 kg
Weight, control unit	0,1 kg
Weight, bag for battery pack	0,2 kg
Weight, interface	0,1 kg
Total weight	24,8 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) Up to 20% at a total weight of 160 kg, and up to 14% at a total weight of 200 kg.
The braking - / climbing capacity also depends on the underground, the territory, the temperature, etc.



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