



## The universal stair climber

[www.manualhandlingsolutions.com](http://www.manualhandlingsolutions.com)

Safe and comfortable upstairs and downstairs

*c-max*



Mobility represents an essential aspect of your quality of life. This should not be restricted, if at all possible. The mobile stair climbing aid c-max helps you to be mobile, not only at home but also en route!

The c-max allows you to overcome comfortably even narrow stairs or other obstacles inside as well as outdoors. The patented climbing kinematics practically take over the climbing process. The operator merely steers the c-max with very

little physical effort. The c-max's low weight and the fact that it can be easily and quickly dismantled make it possible to take the c-max everywhere. That way you reach your destination safely and comfortably.



The patented climbing system makes the c-max particularly versatile and safe.

Increase your mobility —  
the c-max helps you to overcome  
stairs comfortably, not only at home  
but everywhere else too.





## At your service — patented technology that rises to the occasion



The most important features of the c-max are safety, versatility and comfort. To reach this standard we developed numerous intelligent solutions to make your life easier. At the heart of the matter lies the patented climbing mechanism which virtually climbs stairs all by itself.

The c-max is designed to handle up to 120 kg. For persons of a higher weight we offer a stronger version that carries patients up to 160 kg.



Winding stairs or steep steps are no problem for the c-max. The standard device already climbs steps of up to 21 cm in height.

The c-max's safety brakes stop automatically on the edge of each step. Its robust climbers set down closely to the step. This guarantees a solid, steady footing a simple and convenient handling and avoids the damaging of the stairs' edges.

The climbers further make the c-max particularly versatile. It can be used on all kinds of stair coverings such as wood, stone, metal, PVC or carpet. The big wheels and the climbers even allow the use on grating stairs!

For your maximum comfort you can choose the climbing speed at your ease, a single step mode is an integrated feature that you can activate, if necessary.



The torsion-free handles can be adjusted individually to the user increasing safe operation.



## Easy and convenient — the c-max is ready to use in next to no time



It is simple and quick to disassemble the c-max for transportation.

Quickly and effortlessly you can disassemble the c-max and store it in the car boot.

The device's adjustable handles and its ergonomic control unit make the c-max particularly user-friendly. You are in control of the c-max at all times due to the adjustable driving speed which allows you to adapt to various situations appropriately.

The standard engine immobiliser prevents unauthorized use.

The removable battery pack you can charge separately from the c-max by plugging the charger (included in the delivery package) into any wall socket.



## Complete equipment and accessories — for all your requirements

The c-max comes completely equipped with seat, batteries and charger. To fully meet your requirements we offer further individual accessories.

We can build a customized version and increase the climbing height up to 1.5 cm, i.e. that special c-max can climb steps measuring 22.5 cm. The inclination indicator helps you to find the optimum inclination angle for operation. If you hold the c-max too high or too low you feel a vibration in the grip.

### Accessories\* for your c-max



Head rest



Charger for your car



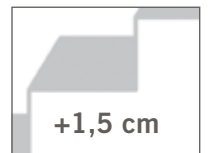
Widening of the arm rests



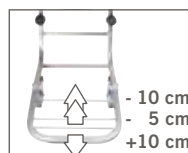
Seat belt system including hip belt



Hip belt



Increase of step's height



extended / shortened footrest



children's footrest



# Technology that you can trust — safe and mobile with c-max

Our incentive at AAT is to offer you more mobility and quality of life by means of intelligent technology. A good example of this philosophy is the stair climbing aid c-max.

All our know-how and expertise gained in many years of experience developing powered systems for wheelchairs and climbing aids produced to an intelligent, reliable and safe system that offers numerous advantages:

- **climbers instead of climbing wheels for secure and solid footing**
- **to be used as a pushing wheelchair as well**
- **stable construction, handles patients weighing up to 120 kg**
- **no damage to the edges of stairs**
- **high versatility even on winding or narrow staircases**
- **applicable on almost all stair coverings**
- **low weight and easy disassembly**
- **single-step-mode**
- **continuously adjustable climbing speed**

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c-max coincides with the European Guidelines 93/42/EEC for medical products.

In the name of progress we reserve the right for technical changes.

Die Firma AAT Alber Antriebstechnik GmbH ist gemäß DIN EN ISO 9001:2000 und DIN EN ISO 13485:2003 zertifiziert.

## Technical data

max. lifting capacity	120 kg   160 kg (strong version)
climbing speed	8 — 23 steps per minute (continually adjustable)
capacity with one charge of the batteries	15 — 30 levels (depending on person's weight)
width (in mm)	485   440 (without arm rest)
depth (in mm)	915   730 (folded in foot rest)
height (in mm)	1090
batteries	2 x 12 V / 5 Ah
dc-motor	24 V
weight of the battery pack	4.4 kg
weight of the power unit	17.2 kg
weight of the seat	4.6 kg
weight of the back	4.3 kg
weight of the arm rests	1.2 kg
step's height	21 cm   22.5 cm (extended)