



ottobock.

Juvo B4

Power wheelchair
for more independence

Quality for life

“I appreciate the range of possibilities the metropolis Berlin can give me as a wheelchair user. That being said, there is still room for improvement to accomplish unrestricted accessibility.”



Kristina

... regularly meets with fellow students for technical discussions while studying education and social sciences.



Anja

... has fought her way back into her beloved Berlin city life in spite of some setbacks. Beer gardens, bars and concerts have now become part of her everyday life again. She checks the accessibility of the respective location in advance on the Internet.

Using personal experience profitably

Consultancy for accessible construction projects is Kristina's greatest passion. The Berlin resident by choice has been successfully involved in various projects for years. So it is little wonder that the student also wants to make this her professional future.

Kristina moves about in her power wheelchair every day because of a progressive neuromuscular condition. She left her rural home for life in the metropolis years ago. It quickly became clear that there is still a need for improvement in terms of accessibility,

also on university premises in Berlin. Identifying this need and implementing solutions is Kristina's goal. This includes raising awareness of the topic among her fellow human beings.

Some adversity notwithstanding, the desire to bring things to a positive conclusion always wins out with Kristina. Resignation is a word that has no place in her vocabulary.

Strength of purpose is the ace in the hole

Kristina says she can be very persistent once she gets an idea in her head. Her commitment and dedication have often led to the desired result.





“Thanks to the anti-tipper roller and curb climbing assist, my robust, rear-wheel-drive Juvo gives me a good, safe feeling.”



Raising awareness

Optimising the accessibility of sports venues is especially important to Kristina. Her friends and fellow students now also look at their environment with other eyes.

Composure is Anja's key to success


Anja is paralysed on the right side of her body following a stroke. Before this turning point, the single mother of a teenager worked full time in the medical sector and was proud of managing her life efficiently and independently. Suddenly confronted with new challenges, Anja had to learn how to distance herself from smooth processes and perfect house-keeping.

“When you have to do things with one hand, you inevitably learn to be more easygoing and to compromise,” says the now 43-year-old. “If I simply can't get a piece of clothing over my head, I pick something else. And if I cannot get the laundry done today, I just put it off until tomorrow.”

Anja knows from experience that bad days are followed by better ones, so she

has little use for regretting her lost abilities. Today the Berlin resident by choice also focuses on what is possible now and today in her leisure time.

Going to the cinema with her son, a stroll in the town with her best friend or visiting the beer garden with her new love – Anja has learned to get information in advance about possible vagaries of her desired location. With this knowledge and her manoeuvrable Juvo, she is well equipped for almost any eventuality. Cobblestones and curbs do not faze her, and neither do sloping terrain or narrow passages in bars and pubs.



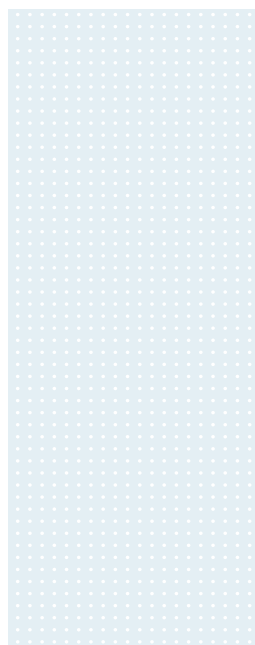
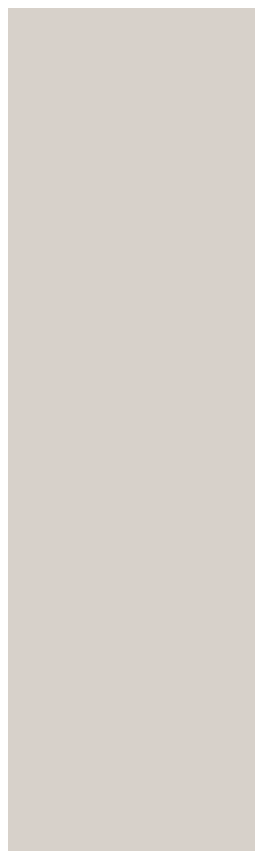
“I use every spare minute to explore Berlin, my chosen home. In confusing situations, my friend can assist me with the attendant control.”

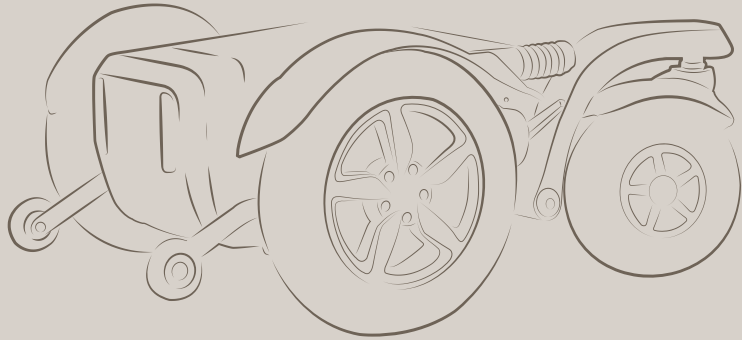


Savouring every minute

The single mother had to regain a lot of her independence following her stroke. Since then she knows the meaning of the word "composure".







Individually adaptable

Like all models in the Juvo product line, the B4 features a modular design. On this entry-level model with rear-wheel drive, there are numerous options for the mobility base, seating unit and control device. The focus is on your special needs and abilities and your personal environment.



Driving comfort for more independence

The Juvo B4 rear-wheel-drive features enhanced safety and comfortable damping for outdoor use and is also compact and manoeuvrable indoors.





Compact, robust, safe

The steel made drive unit support is particularly resilient and therefore requires very little maintenance. Integrated anti-tipper rollers ensure your safety and protect against damage when driving backward. Permanent drive wheel suspension compensates for uneven ground and can be further optimised with an additional front suspension.

Different battery sizes offer the driving distance range you need for everyday independence. The small outside dimensions with a width of just 59 cm let you pass through narrow doors and negotiate confined passages. Special combinations of caster wheels and drive wheels increase the ground clearance for outdoor use. A model with small wheel sizes can be chosen if you use your Juvo B4 only indoors.



Benefits at a glance

- Excellent directional stability, even at higher speeds
- Flexible centre of gravity distribution
- Good drive wheel traction when driving up and down slopes
- Good visibility in all directions



The right seat for any body type

The Ottobock seating philosophy is based on the conviction that your requirements for a wheelchair seat are unique. We have a range of modules that can be combined with one another to create a seating solution that is customised for you.

Standard seat

The width of our basic seating solution can be adjusted using the arm supports. Side panels provide support and protect you against the cold, and the height and depth of the soft arm support pads can be adjusted. A seat cushion with a robust nylon cover is part of the standard equipment. Seat cushions such as the Terra can also be installed on the firm seat plate. The adjustable back support upholstery, easily adaptable with hook-and-loop straps, has two large openings on the sides for even more customised padding and lateral support. The 30° back support can be manually adjusted in four increments and can also be power operated as an option. You can fold the back support frame forward onto the seat bottom for storage or transportation. Leg supports in various versions can be selected for all seating systems.





Variably adjustable seat

The new VAS (variably adjustable seat) can be precisely adapted to your body size by the specialist dealer. It comes with an adjustable padded back support and a flat seat cushion as standard equipment. The Ergo Joint back support angle adjustment is almost entirely free from uncomfortable shear forces. The profiled seat frame holds lateral guides and holders for means of communication such as a talker. Elevating arm supports and a broad range of leg support versions are optionally available.



Seat cushions

Thanks to our experience with high-tech foams used in automotive seating, we have succeeded in developing foam-based solutions for users who need to sit for long periods. Due to improved molecular mobility under load, the foam optimises pressure distribution as it cushions the thighs and the pelvis. Shear forces are therefore reduced and the risk of decubitus is alleviated. There are a total of nine different Ottobock seat cushion models available for you to choose from.



Contour package

Our collaboration with physiotherapists and occupational therapists has resulted in an optimally shaped seat that can be ordered in a wide range of sizes and contours. The front seat base is formed by the anatomically shaped seat surface, which offers a high level of lateral stability. Moulded to the shape of the thigh, the cushion helps relieve the hip joint. An integrated “ramp” also aids the optimal positioning of the pelvis. Together with the back support pad, it helps to actively straighten the pelvis. Both components of the contour package can be combined with the standard and VAS seating solutions.

Choosing the right control

The quality and user friendliness of your control device not only determine your driving comfort in the Juvo wheelchair, but also all parameters of your everyday independence. A control device precisely tailored to your needs is therefore crucial.

VR2

The tried-and-tested VR2 is our basic control device, which can be programmed to suit your personal needs. The control panel is divided into a keypad, two LED displays and a joystick. A charging receptacle is located on the underside.

Depending on the power options, one of two different control panel versions can be used on the Juvo B4. Your specialist dealer or rehab specialist would be happy to provide you with detailed information regarding the advantages of these versions.





Attendant control

The VR2 and TEN° can also be combined with an attendant control device. It can be positioned on the back of the Juvo B4 on the left or right side. This allows another person to provide assistance while driving, intervene in challenging situations or take control. It also permits easy operation of the power seat adjustments. Pedestrian-friendly speeds and turning characteristics are coordinated and programmed jointly with the technician.



TEN°

The Ottobock TEN° handheld control device constitutes a small ergonomic revolution for you as a user. Why? For example because the soft hand pad prevents premature fatigue. Because the innovative rotary control with a 10-degree rotation angle makes it easy to access the speed regulation. Because the high-resolution 3.5 inch colour displays gives you a good overview of your user interface. And last but not least, because you choose the colour of the aluminium housing.

6 advantages at a glance:

- Innovative rotary control for quick access to various menu items
- Infrared and Bluetooth interface
- Large soft hand pad
- Option of connecting external buttons for various functions
- TEN° jog wheel lever can be positioned freely
- Sturdy aluminium housing in a selection of modern colours

Special features

Here we present additional equipment options to adapt the Juvo B4 even more individually to your requirements.

Please talk to your specialist dealer about the possible advantages and the necessary prerequisites.



Power seat functions

These elementary functions play a key role in offering you the greatest possible independence and comfort in your everyday life. A seat tilt function up to 45° ensures the best possible pressure redistribution and position changes at any time. Back support angle adjustment can play an important role in breathing and care. Individual or combined bio-mechanical knee angle adjustment boosts circulation and provides relief. A 35 cm seat raiser provides appropriate support to compensate for height differences during transfers or in other everyday situations, and for communication at eye level. Your specialist dealer would be happy to advise you regarding the medical justification of additional functions.



Curb climbing assist

This option also makes it possible for you to cross higher obstacles such as curbs. The curb climbing assist is mounted at the centre front and is ready to use at any time while driving.



LED lighting

Electric lighting is required in many countries for outdoor operation. Your specialist dealer can advise you about this. Both the sidewalk lighting with a LED lamp and the complete LED lighting system with direction indicators are attached with special magnetic holders. In case of impacts, for example on door frames or furniture, this practical solution protects the clear glass housing against damage or loss as the LED lighting simply hangs by the cable, making it easy to reinstall. Another plus for enhanced safety: when the Juvo B4 is switched on, the footpath lighting automatically illuminates dark environments.



Illustration shows coloured cover on Juvo B4

Simply eyecatching

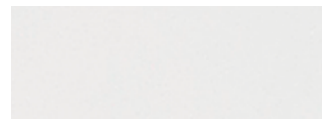
The colouring of your Juvo B4 can be accentuated with the additional coloured cover and the design plate as well as the aluminium housing of the TEN^o control device . A total of 6 colours are available.

The Juvo at a glance

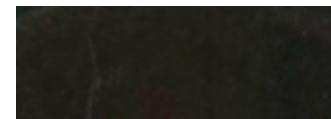
Technical data

Speeds	6/7.2/10 km/h
Rated battery capacity	AGM 53 Ah (C5), 62 Ah (C20) Gel 63 Ah (C5), 74 Ah (C20)
Driving distances ranges (according to ISO 7176-4) up to	35 km with AGM battery 53 Ah (C5), 62 Ah (C20) 45 km with gel battery 63 Ah (C5), 74 Ah (C20)
Control device	VR2 or TEN°
Max. load	160 kg
Obstacle height the wheelchair is able to overcome	50, 85 or 90 mm optional
Climbing ability (according to ISO 7176-2)	7° (12 %)
Overall width	585–595 mm
Min. turning radius (acc. to ISO 7176-5)	800 mm
Seat height (depending on seating solution)	410–570 mm
Seat width	340–560 mm
Seat depth	340–580 mm
Back support angle	-9° to +30° mechanical 0° to +30° power
Seat tilt	20°/45° power
Seat inclination	-3°/0°/3°/6°/9°
Back support height	370–550 mm
Arm support height	200–400 mm
Lower leg length	150–540 mm
Max. charging time	12 h
Weight when empty from	93.5 kg

RAL colours



White RAL 9016

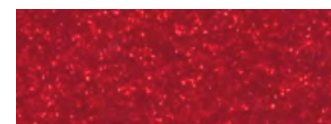


Jet black RAL 9005 matte

Special effect colours



Sparkle light orange



Candy red



Sparkle Granny Smith



Marine blue

With compliments from:

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In addition to the product options offered, please see the respective product order form for more options.



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