

## SDMotionDrive TECHNICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>DRIVE SYSTEM</b>           | DIRECT REAR-WHEEL DRIVE   |
| <b>WEIGHT</b>                 | 15KG (WITHOUT BATTERY)  |
| <b>STEERING</b>               | USER CONTROL: JOYSTICK OPERATION<br>ASSISTANT CONTROL: PUSH-BUTTON OPERATION  |
| <b>DRIVING WHEEL DIAMETER</b> | 24"   |
| <b>JOYSTICK CONTROLLER</b>    | RIGHT SIDE / LEFT SIDE / ATTENDANT CONTROLLER   |
| <b>CONTROL SYSTEM</b>         | MICROCOMPUTER CONTROL   |
| <b>MOTOR</b>                  | 30 MINUTES RATED OUTPUT: 24V, 120W X2   |
| <b>MANUAL / ELECTRIC MODE</b> | SWITCHED BY HAND - DIS/ENGAGE CLUTCH LEVER  |
| <b>TRAVEL SPEED</b>           | FORWARD TRAVEL SPEED: 1.7 - 6KM / HR (ADJUSTABLE TO 5 LEVELS)<br>REVERSE SPEED: 1 - 3KM / HR  |
| <b>MAXIMUM USER WEIGHT</b>    | 125KG (INCLUDING RIDER, LUGGAGE AND FRAME)  |
| <b>ACTUAL CLIMBING ANGLE</b>  | 6°  |
| <b>BATTERY TYPES</b>          | NICKEL-METAL HYDRIDE: WEIGHT 2.9KG, 24V X 6.7AH. 16KM (10 MILES)*<br>LITHIUM-ION: WEIGHT 3.6KG, 25V X 11.8AH. 30KM (18.1 MILES)*                            |
| <b>BATTERY CHARGER</b>        | POWER SUPPLY: AC100V TO 240V, 50/60HZ<br>CHARGING SYSTEM: FULLY AUTOMATIC CHARGING<br>CHARGING TIME: NI-MH - APPROX 2 TO 3 HOURS. LI-ION - APPROX 4.5 HOURS |
| <b>TYRES</b>                  | GREY OR BLACK PNEUMATIC TYRES AS STANDARD. OPTION TO UPGRADE TO SCHWALBE MARATHON PLUS TYRES, OR 24" MOUNTAIN BIKE TYRES WITH TANNUS INSERTS AND STAN SLIME |

\*BASED ON THE TUV TEST RESULTS WITH A FULLY CHARGED NEW BATTERY

## SDMotionDrive WHEEL UPGRADES



STANDARD WHEEL WITH BLACK SCHWALBE MARATHON PLUS TYRES



BLACK WHEEL UPGRADE WITH 24" SCHWALBE MARATHON PLUS TYRES, BLACK HUBS, RIMS AND SPOKES



SPECIAL WHEEL BUILD WITH 24" SCHWALBE MOUNTAIN BIKE TYRES AND TANNUS INSERTS

N.B. The actual products may differ in part from the pictures and/or description due to the possible specification changes for product improvement. Due to the colour reproducing limitation of printing, the product colours in this brochure may appear slightly different from actual colours.

### PRODUCT SAFETY PRECAUTIONS

- Please read the instruction manual carefully
- Practice in a spacious and safe area until you have enough confidence to operate the product
- Never use mobile phones or transceivers while in operation. If you must use these devices, park the wheelchair in a safe place and turn off the power switch
- Adhere to the safety labels indicating "Danger", "Warning" and "Caution" attached to the product to assure the safety applications



Steering Developments Ltd

Steering Developments Ltd  
Unit 5, Eastman Way  
Hemel Hempstead  
Hertfordshire  
HP2 7HF

T: 01442 212918

E: [sdmotion@steeringdevelopments.co.uk](mailto:sdmotion@steeringdevelopments.co.uk)

W: [www.sdmotion.co.uk](http://www.sdmotion.co.uk)



# SDMotionDrive

Joystick power for your manual wheelchair



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UK manufacturers of powered wheels since 1999

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

# SDMotionDrive

Joystick power for your manual wheelchair

The **SDMotionDrive** is a joystick power add-on device that offers an exceptional level of mobility with it's long distance range and lightweight, compact design.

One of the standout features of the **SDMotionDrive** is its versatility. As well as being able to fit this system to a whole variety of manual wheelchairs, users also have a choice of wheel options so they can customise the wheelchair to suit where they use it the most.

"The SD Motion Drive - powered wheels that were operated by a small joystick, that could be fitted to almost any wheelchair. I had a test drive and I was instantly sold!" - Gavin



"Getting the SD Motion Drive on my wheelchair has been one of the best investments I have made and without the freedom and possibilities opened up because of it, my life would have been so much poorer" - Samuel

"The SD Motion Drive's functionality, adaptability, versatility and dependability are what sets it apart from other powered wheel sets on the market. The team at Steering Developments continue to innovate and improve the custom options available too - my latest SD Motion Drive set up that I bought in 2023 features Halo mountain bike rims and puncture proof Continental mountain bike tyres, with a long distance lithium battery now concealed under the seat, giving me even more freedom and functionality than ever before!" - Mr Wilson

For more information or to arrange a **FREE** no obligation home demonstration call us now!

01442 212918



## Joystick Controller

- Easy to operate with 5 speed levels and individually adjustable driving modes to put you in total control.
- Battery level indicator and USB charging port.
- Retractable arm to lower joystick controller position when sitting at a table.\*

\* This function is only available for a frame mounted joystick controller.



## Optional Wheel Upgrades

- Grey or black pneumatic tyres as standard.
- Upgrade to black Schwalbe Marathon Plus tyres with black rims, hubs and spokes.
- Special wheel build comes with 2" wide black rims, black hubs and spokes and 24" mountain bike tyres with Tannus inserts and Stan Slime.



## Battery Pack

- Ni-MH battery has a range of up to 16km (10 miles).
- Lithium-ion battery has a range of up to 30km (18 miles).
- Carry handles make removing for charging or transporting easy.
- Optional battery bag for under or behind seat (wheelchair dependent).



## Attendant Controller (optional)

- Allows an attendant total control of your **SDMotionDrive**.
- Choice of push button attendant controller (pictured) or second joystick controller on push handle.



## Anti Tippers

- Prevents possible backward tipping and can be retracted when not required.
- Can also be used to aid a carer to tilt wheelchair up kerbs.



## FreeWheel Front Wheel (optional)

- The FreeWheel front wheel and attachment bar is made from strong aluminium and can be fitted quickly and easily (wheelchair dependent).
- The 12" front wheel gives a smooth ride over rough and uneven surfaces.