

NEW FOR SUMMER 2025!

SDMotionDrive

Joystick power for your manual wheelchair



Steering Developments Ltd



YAMAHA POWER TECHNOLOGY FORMS THE
BASIS OF SD MOTION POWER ADD-ONS

Steering Developments Limited - 01442 212918

UK manufacturers of powered wheels since 1999

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. Available as 16" or 24" system.

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.

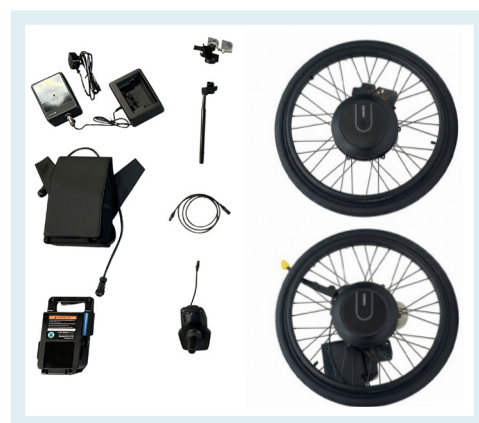


From 2025, Yamaha have upgraded the **SDMotionDrive** to give it more power, greater speed, and increased strength.

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

01442 212918

SD Motion Drive components



“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 - 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



“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



Improved Performance

The upgraded 2025 version of this system offers;

- Increased strength (total load capacity of 160kg including rider and wheelchair).
- 10 degrees climbing slope.
- Improved torque for better performance on all terrains.



Joystick Controller

- Easy to operate joystick controller with LCD screen.
- 5 speed levels, plus soft, standard and sport mode options.
- Battery level indicator and USB-C charging port.
- Optional retractable arm to lower joystick controller position when sitting at a table.



Lithium-ion Battery

- Lithium battery has a range of approx 25km (tested with 100kg user at 6 km/h)
- Battery weighs 2.4kg.
- 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**.
- Can be fitted to either left/right hand side.
- Operation by push or pull lever.



Electronic Anti Tippers (optional)

- Prevents possible backward tipping.
- Can also be used to aid a carer to tilt wheelchair up kerbs.
- Alarm buzzes to alert you if anti-tips are disengaged.



Optional Wheel Upgrades

- System comes with black pneumatic tyres, black hubs, spokes and rims as standard.
- Option to upgrade to mountain bike tyres with Tannus inserts and 2" wide rims for use on various terrain. Different tyres options available.

SDMotionDrive TECHNICAL SPECIFICATIONS

DRIVE SYSTEM	DIRECT REAR-WHEEL DRIVE
WEIGHT	15.8 KG (WITHOUT BATTERY)
STEERING	USER CONTROL: JOYSTICK OPERATION ASSISTANT CONTROL: PUSH/PULL LEVER OPERATION
DRIVING WHEEL DIAMETER	16" or 24"
JOYSTICK CONTROLLER	RIGHT SIDE / LEFT SIDE / ATTENDANT CONTROLLER
CONTROL SYSTEM	MICROCOMPUTER CONTROL
MOTOR	36V, 150W X2 MOTOR
MANUAL / ELECTRIC MODE	SWITCHED BY HAND - DIS/ENGAGE CLUTCH LEVER
TRAVEL SPEED	FORWARD TRAVEL SPEED: 1.7 - KM/HR (ADJUSTABLE TO 5 LEVELS) REVERSE SPEED: 1 - 3KM/HR
MAXIMUM LOAD	160KG (INCLUDING RIDER, LUGGAGE AND FRAME)
ACTUAL CLIMBING ANGLE	10°
BATTERY TYPE	LITHIUM-ION: WEIGHT 2.4KG, 36V X 6.75AH 243WH
BATTERY RANGE	25KM (WITH 24" SYSTEM) or 20KM (WITH 16" SYSTEM) *
BATTERY CHARGER	POWER SUPPLY: AC100V TO 240V, 50/60HZ CHARGING SYSTEM: FULLY AUTOMATIC CHARGING CHARGING TIME: APPROX 5 HOURS
TYRES	BLACK (NON-MARKING) 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 TEST RESULTS WITH A FULLY CHARGED NEW BATTERY (WITH A 100KG USER, TRAVELLING AT 6KM/H)



24" SD MOTION DRIVE SYSTEM (FITTED TO A KI-MOBLITY ROGUE ALX WHEELCHAIR)



16" SD MOTION DRIVE SYSTEM (FITTED TO A LITTLE WAVE ARC WHEELCHAIR)

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



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