

A close-up photograph of a wheelchair's rear wheel and the SmartDrive MX2+ power assist device. The device is a black, motorized unit mounted to the wheelchair's frame, positioned between the rear wheel and the seat. It features a large, textured black foot pedal with a silver-colored metal plate on top. The device is connected to the wheelchair's drivetrain via a chain and yellow-colored sprockets. The wheelchair has a black seat and a black frame. The background is a blurred outdoor setting with a gravel path and a clear sky.

Power assist device

SmartDrive MX2+

permobil

On-demand power assist

Pushing a manual wheelchair can put stress on your shoulders and lead to serious future issues. SmartDrive's seamless power assist has been proven to reduce up to 81%* of your pushes and minimise repetitive stress, allowing you to focus on the things that matter.

*based on data collected from SmartDrive's SmartEvaluation App



Multiple ergonomic handles to quickly attach to almost any manual wheelchair



Easily removable, making it great for transportation



Various control options to power your push, your way

OmniWheel's patented design engages and stays engaged in any position, maintains optimal traction, and climbs up to 10 degree slope (17% inclines)

Lightweight power assist weighing in at 6kg

SwitchControl

SwitchControl is a simple way to control your SmartDrive with the push of a button. You can use SwitchControl in momentary or latched mode and optionally, attach an external switch with a custom mono jack option.

Momentary

Your SmartDrive will engage for as long as you hold either Switch.

Latched

Press and hold either Switch to set your cruise speed. When you want to stop, simply tap the Switch and hold on to your wheels.

SwitchControl with Mono Jack Option

Use any external mono jack switch to operate your SwitchControl; no programming required.



Buddy Button with extended mount and SwitchControl with mono jack

Power your push, your way

Discover how our variety of hardware and software solutions can be combined to better support your individualised mobility goals.



Specifications

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| Dimensions | Length: 389 mm (15.3") Width: 141 mm (5.7") Height: 242 mm (9.5") |
| Product weight | 6 kg (13.2 lb) Drive Unit |
| User weight | 14 kg to 150 kg (30 lb to 331 lb) |
| Driving range* | Up to 19.8 km (12.3 mi) |
| Motor power | 250W Brushless DC |
| Maximum speed | 8.8 km/h (5.5mph) |
| Operating temp | -25°C to 50°C (-13°F to 122°F) |
| Chair type compatibility | Rigid, Folding, Tilt-In Space, One-Arm Drive and others Chair widths: 8" (no anti-tips) - 22" |
| Drive wheel diameter | 501 mm, 540 mm, 559 mm, 590 mm (22", 24", 25", 26") |
| Warranty | 2-Year Limited Warranty |
| Bluetooth LE | FCC ID: QOQBT113 IC ID: 5123A-BGTBLE113 |

*Performance measurements will vary based on user and chair characteristics, driving and battery conditions.

The SmartDrive has been tested and conforms to all applicable requirements of ANSI/RESNA Standards for Wheelchairs - Volume 1 and Volume 2 and EN 12184.

Note: A wheelchair's specifications provided by its manufacturer may be slightly affected by the addition of the SmartDrive. Please refer to your owner's manual for more detailed operation and care instructions.