

SmartDrive[®] MX2+

Stay independent



permobil

SmartDrive[®] MX2+ with PushTracker

SmartDrive is a lightweight, power assist for manual wheelchairs that allows you to go up hills and ramps, over thick carpet, long distances, and essentially, anywhere where it is hard to push.

It is simple and intuitive to operate, with the help of the PushTracker BLUETOOTH[®] wristband.

- **Double tap to start.** You can start from a dead stop or activate SmartDrive in mid-roll
- **A single tap** at coasting speed maintains the speed you are at – no need to push.
- When you are ready to stop, double tap again and then brake with your hands.

Simple!

Increasing your independence

SmartDrive greatly reduces the amount of times you have to push in a day. This helps to reduce fatigue and pain in shoulders and arms, which means you can get out and about more on your own.

"I can do more and not limit my life, because I don't have to worry as much about whether I'll have the strength and energy to push through the whole day.

I can carry things, like a bag of shopping, and not have to think about how I'm going to propel the chair. SmartDrive gives you the energy to do more – which means you get to experience more in life."

Chelsea Smith, Nashville, USA



Keeping you healthy

Research shows that many manual wheelchair users experience upper extremity pain. SmartDrive helps you stay healthy by protecting your shoulders from wear and tear caused by long-time, repetitive propulsion and reduces the risk for RSI (repetitive strain injury) on your elbows and wrists.

Because it is light and compact, it can be easily mounted or removed. No need for unnecessary transfers or lifting. All of these things save your energy for the important activities of your daily life.



Light weight 5.7 kg
Easy to mount and transport. And it's weatherproof.

Omni-wheel design with lateral rollers
Glides seamlessly with your chair and allows you to do all the things you would normally do, like 360° turns, wheelies and pivoting.

Powerful
With a 250W motor and Lithium ion battery. Just turn on and go all day without charging.

Discrete design
Compact dimensions add nothing to the size of your chair. That means excellent maneuverability in tight spaces. You'll hardly notice it's there.

PushTracker wristband senses your movements
to effortlessly control your SmartDrive. It also tracks and displays daily activity - including push count, coast time and more.

The **PushTracker App** provides even more information and power assist individualization. Everything seamlessly connects to give you a complete picture of activity, helping you to monitor habits and reduce injury.



Specifications

Range (level/no resistance conditions)	19.8 km
Maximum speed (Level surface)	6 km/h (default), adjustable
Maximum speed (6° incline):	6 km/h (default), adjustable
Maximum acceleration:	Adjustable up to 0.6m/s ² (0,2 default)
Motor power:	250W
Motor voltage:	36V
User weight range:	14kg to 150 kg
Operating temperature:	-25°C to 50°C
Sound level	60.7 dB (A)
Total weight:	6.1 kg
Expected lifetime/service life:	5 years
Contains BLUETOOTH LE: FCC ID	QOQBT113
IC ID	5123A-BGTBLE113
Overall length:	389 mm
Overall width:	141 mm
Overall height:	242 mm
Omni-wheel diameter:	193 mm
Omni-wheel width:	71 mm
Motor unit weight:	5.7 kg
Contained battery type:	Lithium-Ion

NOTE: The stated values are from testing with a 150kg (331lbs) user.
The range, speed, etc. can vary depending on user weight and driving conditions.

Wheelchair compatibility

The MX2+ is compatible with any manufacturer's rigid or folding frame manual wheelchair for users from 14 to 150 kg. It can be mounted to any class of wheelchair including standing chairs and tilt in space.

Wheelchair frame type:	Rigid Folding Tilt-in-Space One-Arm Drive Standing
Drive wheel diameter:	501, 540, 559 or 590 mm
Folding frame attachment distance:	210 - 533 mm

