



Your Wheelchair,
Powered!



The Lightest... By Far:

The M90 wheel add-on weighs 5.9kg (13lb) with batteries, and 5.3kg (11.6lb) without, making transport easy and efficient. This design ensures effortless handling and adds minimal weight to the wheelchair, preserving its maneuverability and ease of use for everyday activities.



Express Yourself:

The unique M90 design allows you to use your preferred tyres and handrims on a sleek yet robust Aerospoke styling. Swap them like any 24" wheel for optimal traction, looks and feel.



Safe and Reliable:

Industry-leading 5.0 bluetooth technology ensures reliable, drop-free connection between the wheel and the joystick, Lithium ion batteries provides long-lasting range and the unique yet simple wheel design is incredibly robust.

Book a demo today.

Empulse

Technical Data

Weight Capacity	100kg (220lbs.)
Battery Range*	15km (9.3 miles)
Max Slope	6°
Weight	12.2kg (27lbs.)
Individual Wheel (without batteries)	5.3kg (11.6lbs.)
Individual Battery	0.6kg (1.3lbs.)
Wheelchair Rear Wheel Size	24"
Chair Type Fitting	Rigid & Folding
Max Speed	6kph (3.7mph)
Electronics	Bluetooth® 5.0
Batteries	Lithium-ion 24V (2 x 3.8Ah)
Motors	150 W (300W Combined)

Key Features

- **Driving Ease and Performance:**
Driving the M90 is safe, simple, and intuitive thanks to its adaptive cruise control, and uphill/downhill speed control features.
- **Up to 15km (9.3mi) Range:**
Batteries are quick change and can be removed at the push of a button. Up to 15km (9.3mi)* of range contained in a tiny lightweight package, but if you ever need that extra power, spare batteries*** can be kept to hand and are IATA-classified batteries, certified safe for global world travel.
- **Effortless Travel, Anytime, Anywhere:**
The M90 is designed to be easily transportable as it can be removed using a standard quick release axle and one wheel including battery weighing just 5.9kg (12.9 lbs.). The wheels fit nicely into the boot of even small cars.
- **Paramount Safety:**
The M90's emergency stop feature enhances user security and safety by detecting resistance and engaging the power cut-off function if the propulsion wheels are held, or if the chair's movement is obstructed. Additionally, the power automatically cuts off in the event of any loss of wireless connection.

Your Choose of Drive Controls

Whether you prefer the ease of a joystick or the familiarity of handrim steering, the M90 drive mode options put you in control of your journey.



Joystick Control

Effortlessly navigate the M90 with the Joystick for precise control indoors and outdoors. Switch between customisable Indoor and Outdoor Drive modes, and use Joystick Cruise Control for consistent speed. Save energy and let the M90 do the work.



Two-Way Toggle with Handrim Control

The Two-Way Toggle with Handrim Control offers intuitive, precise steering for effortless maneuvering. Adjust speed by tapping the toggle forward or backward, reducing the need to propel and keeping you in your manual wheelchair with power assist.

* Range is dependent on the ground surface, the weight of the user, driving behavior, temperature and terrain.

** Receiver components for both rigid and folding chairs are shown. Only the components needed for your chair will be shipped.

As a part of our ongoing product improvement initiative, Sunrise Medical reserves the right to change specifications and design without notice. Further, not all features and options offered are compatible with all configurations of the wheelchair. Please consult the user instruction manual for more information.