



Empulse®



E | m90

SLEEK, STYLISH POWER FOR YOUR  
MANUAL WHEELCHAIR,  
WITHOUT WEIGHING YOU DOWN.

## SEAMLESS POWER INTEGRATION

M90 is a wheel add-on power assist for your manual wheelchair. Its fully-integrated design provides seamless power with no extra components or wires hanging off your ride.

## WIRELESS CONTROL

Position the wireless controller where you want it with either the quick-release frame mount or thigh strap.

## RIDE YOUR WAY

Use the tires and handrims you prefer. M90's brilliant hub design keeps your chair sleek and compact.

With the flip of a switch, engage the M90 power assist or switch to free-roll to push freely.

The quick-release wheels are attached and removed the same as standard 24" wheels.

## REMOVABLE BATTERIES

Charge the batteries off-chair, and keep your M90 on-chair.

Extend your range with an extra set of batteries.

## BY FAR THE LIGHTEST

Both compact and light – the M90 complete package weighs only 12 kg – nothing excluded! Each wheel weighs just 5.9 kg including battery.



M90 Video



Wireless control – where you want it

Engage or disengage motors Standard quick-release axle

Removable batteries – charge on- or off-chair

## TECHNICAL DATA

Weight Capacity	100 kg
Wheelchair Rear Wheel Size	24"
Battery Range <sup>1</sup>	15 km
Max Slope	6°
Total Device Weight	12 kg
Each Wheel, with battery	5.9 kg
Each Wheel, w/o battery	5.3 kg
Battery Weight	0.6 kg
Frame Compatibility	Folding Frames Rigid Frames
Max Programmed Speed	6 kph
Electronics	Bluetooth / Wireless
Batteries Flight friendly <sup>2</sup>	Lithium Ion (< 100Wh dangerous goods limit)
Motors	150 W / 24 V

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

2. Always verify with your airline for current regulations.

### ⚠ WARNING

Using a power assist device can change your center-of-gravity or the way your chair rides. To reduce any risk of tip-over or fall, consult your healthcare provider about proper wheelchair configuration, including use of anti-tips and any other necessary adjustments.

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For further information on the full specification, options, and accessories, please refer to the order form. All information is subject to change without notification. Please consult Sunrise Medical with any queries you may have.



If you are visually impaired, this document can be viewed in PDF format at [www.SunriseMedical.com.au](http://www.SunriseMedical.com.au).



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