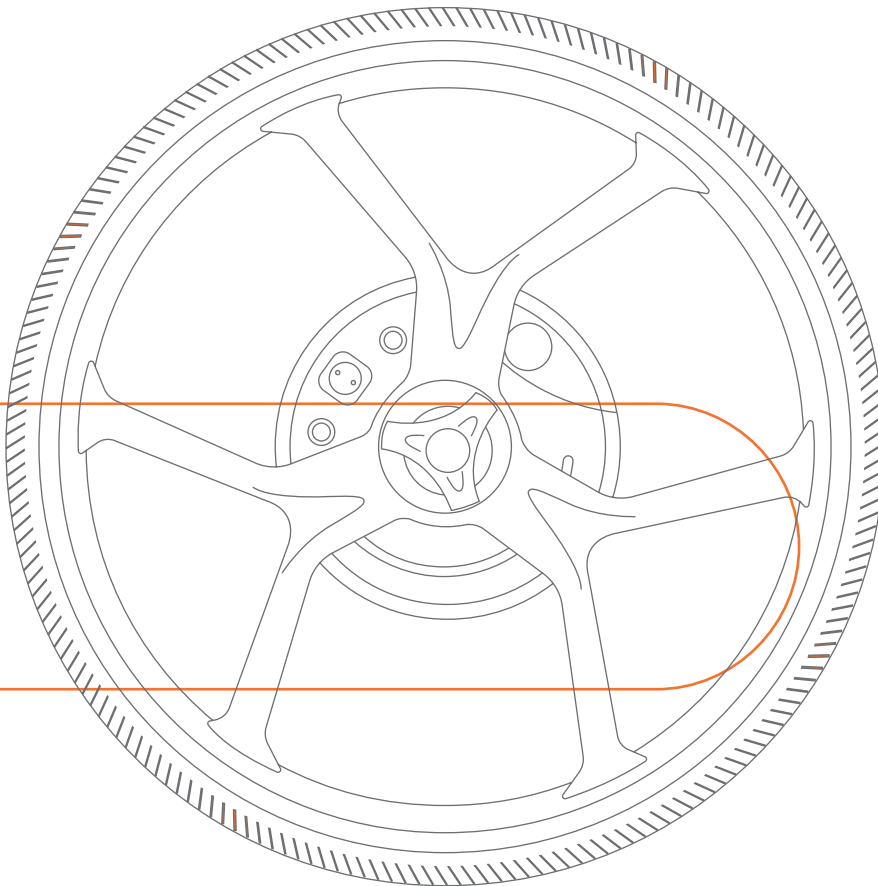


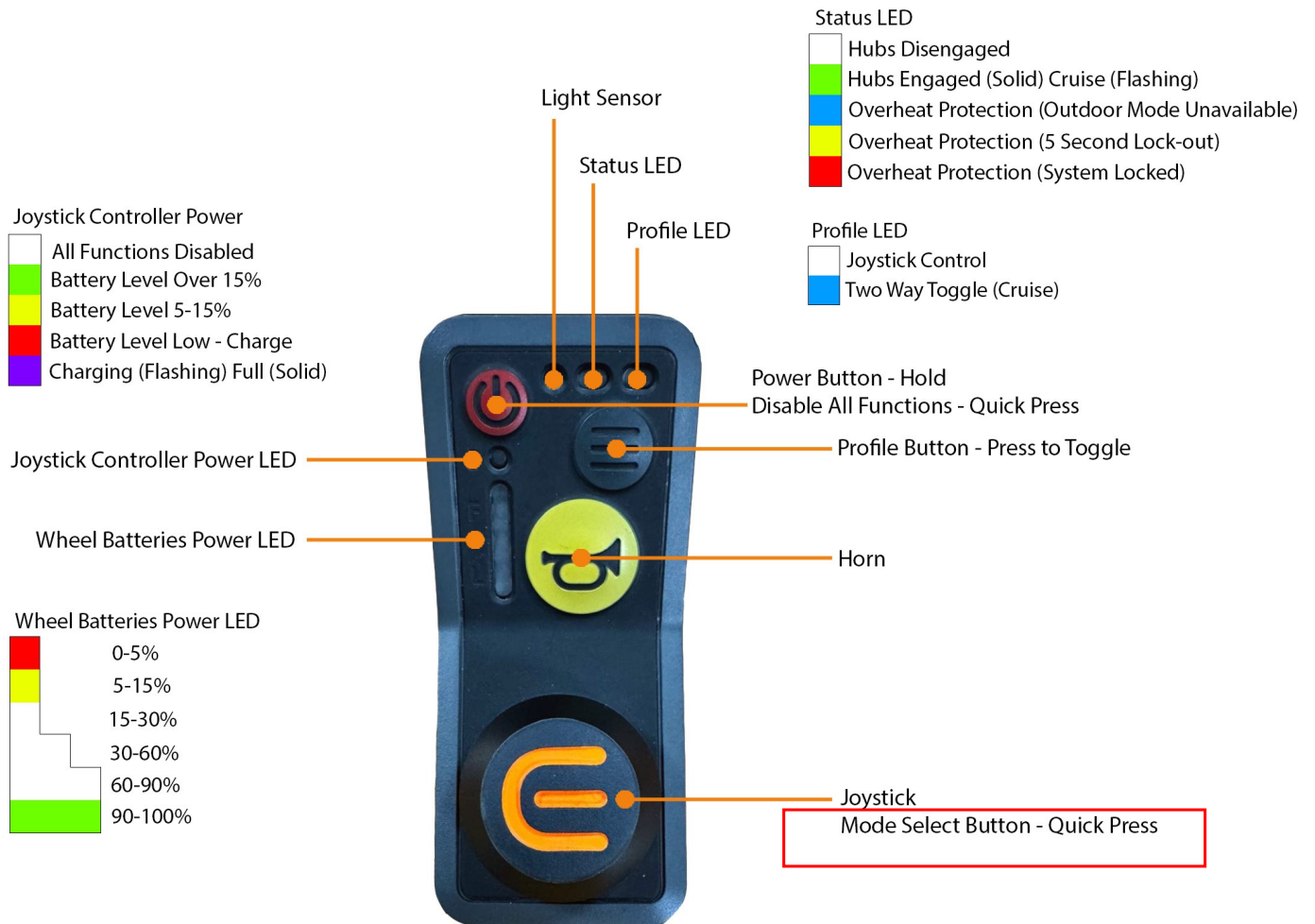
# M90

## Operating Instructions



# M90 Operating Instructions

## Joystick Control Diagram



# M90 Operating Instructions

## Joystick Drive Mode – Mode at start-up

This drive mode pairs the controller with the Joystick allowing the rider change the speed and direction of the M90 using the Joystick. The M90 cannot be manipulated by the Handrims when in this drive mode.



# M90 Operating Instructions

## Two Way Toggle with Handrim Steer Activated by pressing the joystick down

A speed control that allows the rider to use the M90 to provide consistent propulsion while maneuvering using the Handrims. Between toggle activations or when the M90 is in neutral the M90 can be controlled through the Handrims, offering minor assistance to the rider.



# M90 Operating Instructions

## Change profile Indoor/Outdoor

Change between 2 preset profiles by pressing the Profile Button in joystick or 2 Way toggle mode.

Solid White – Indoor (Start-up setting).

Flashing White - Outdoor

\*Fine adjustment of these profiles can be done in the M90 App detailed later.



# M90 Operating Instructions

## Controls

### Freewheel

The M90 incorporates a freewheel function that completely disengages the M90 wheels allowing user to propel the wheelchair manually with zero resistance.

The dials have visual and physical markers, push the side of the dial with bumps to engage the M90 wheels and the smooth side to disengage.



# Other features

## Programmable Performance

A "free of charge" application is available that is used to optimise the performance of the M90 for the user.

Download the App from the M90 webpage and connect the controller via Bluetooth.

Before use enter users weight for optimal performance pre-set set power delivery settings.

Select from Base, Standard and Max levels of performance across joystick and handrim for both indoor and outdoor profiles.

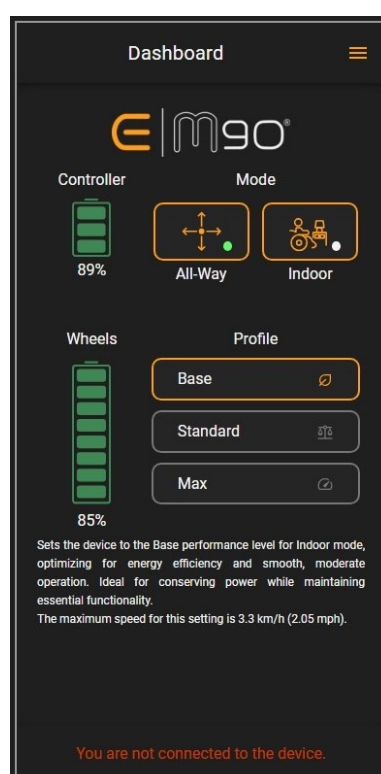
**Max:** Offers the most sensitive and responsive performance, ideal for experienced riders seeking an active and dynamic power assist experience.

**Standard:** A balanced profile that combines speed and responsiveness. Recommended as the starting point for most users.

**Base:** Provides the least reactive settings, perfect for individuals new to power assist or those preferring a more relaxed and controlled ride.

**Indoor Speeds:** Base/3.3kph – Standard/3.9kph – Max/4.5kph

**Outdoor Speed:** Always set to 6kph on each performance modes.





# M90 Operating Instructions

## Controls

CONTROL UNIT POWER LED

	Connected, Control Unit Locked (Solid) Awaiting Connection (Flashing)
	Charge: >15% Handset Active
	Charge: <15% (Solid) <5% (Flashing)
	Charge: Unable to be used
	Charging (Flashing and Solid)

With a quick press to Power Button, you can lock and unlock the handset. This stops unintentional activation of the joystick without having to disengage the system.

STATUS LED

	Hubs Not Engaged
	Hubs Engaged (Solid) Cruise Control Engaged (Flashing)
	Stage 1: Thermal Protection (Outdoor Mode Lock-Out)
	Stage 2: Thermal Protection (Controller Locks. Active Braking for 5 Seconds)
	Stage 3: Thermal Protection (System locked out)
	Charging (Flashing and Solid)

PROFILE LED

	All-Way Toggle (Solid for indoor & Flashing for Outdoor)
	Handrim / Two-way Toggle (Solid for indoor & Flashing for Outdoor)

WHEEL BATTERY LED

<5%	5-15%	15-30%	30-60%	60-90%	90-100%

Light Sensor



# M90 Operating Instructions





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