

LET'S GO! GUIDE



This guide will help you get started enjoying your M90 for everyday adventures. Please see your owner's manual for more in-depth instructions, installation guide, or local contact information.



SUNRISE MEDICAL CARES ABOUT YOUR SAFETY.
Please read your owner's manual for safe operating instructions and maintenance guidelines.

CALIBRATING YOUR M90

M90 wheels should be calibrated before first use. Calibration is needed during initial setup or when switching to a different chair. The calibration process sets the M90's slope and hill thresholds based on the wheelchair, optimizing performance for the rider.

NOTE Re-calibrating the wheels is the first step for any troubleshooting with the M90.



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SET-UP AND
USE VIDEOS

CALIBRATION INSTRUCTIONS

BEFORE YOU BEGIN, ENSURE...

- ✓ The mounting brackets and wheels are properly installed.
- ✓ The batteries are fully charged.
- ✓ The wheelchair's wheel locks are engaged.
- ✓ The wheelchair is on level ground.
- ✓ The wheels are engaged and securely locked in the mounting bracket.

IMPORTANT: Do not move the chair during calibration.

1. Remove the battery on the M90 wheel.
2. Press and hold either button on the wheel while re-inserting the battery.
3. When the lights turn **ORANGE** release the button.
4. Wait until the lights turn **WHITE** then **GREEN**.
5. When the lights are **GREEN**, remove and re-insert the battery. The wheel will beep.
6. Repeat steps 1 – 5 on the other wheel.
7. Remove and swap wheels to the opposite sides and **repeat steps 1 – 6**.

NOTE You will complete the calibration steps four times—once for each wheel in both left and right positions.



POWERING ON/OFF

When the batteries are installed, the wheels are powered on. The wheels will automatically search for the controller via a BTE connection.

NOTE Buttons on the M90 wheels are used as indicators and trouble shooting, not as an On/Off.

THE DUAL CONTROLLER

Your M90 comes with two driving options:



SPEED CONTROLLER TOGGLE

Speed control only
(handrim steering)



JOYSTICK TOGGLE

Both steering and speed control

CONNECTING THE CONTROLLER

IMPORTANT: The Controller must be attached to the docking tray to use the M90.

Press the Controller Power button once.

The Power Indicator LED (2) will flash white while connecting. (This may take up to 5 seconds.)

When connected, you will hear a beep, and the Power LED (2) will turn solid green.

With the wheels engaged, hold the toggle forward to enter drive mode. Both wheels will lock into place with a click, and the status light (3) will turn green when ready.



2- CONTROLLER POWER INDICATOR

- CONNECTED, LOCKED
Flashing = Awaiting Connection
- CONTROLLER ACTIVE
Charge = >15%
- CHARGE <15%
Flashing = Charge <5%
- LOW CHARGE
Unable to be used
- CHARGED
Flashing = Charging

3- STATUS INDICATOR

- WHEEL HUBS NOT ENGAGED
- WHEEL HUBS ENGAGED
Flashing = Cruise Control engaged
- Thermal Protection 1 –
Outdoor Mode Lock-Out
- Thermal Protection 2 –
Controller Locked. Active braking
for 5 seconds
- Thermal Protection 3 –
System Lock-Out
- CHARGED
Flashing = Charging

4- PROFILE / DRIVE MODE INDICATOR

- JOYSTICK DRIVE MODE
Solid = Indoor Drive Profile
Flashing = Outdoor Drive Profile
- SPEED CONTROLLER WITH
HANDRIM STEERING DRIVE
MODE
Solid = Indoor Drive Profile
Flashing = Outdoor Drive Profile

FUNCTIONS	JOYSTICK TOGGLE CONTROLLER	SPEED CONTROLLER with HANDRIM STEERING
START / STOP	<p>Push Joystick toggle forward to start. Let go of the toggle to stop. Handrims do not affect speed.</p>	<p>Tap Speed Controller toggle to start. Push speed controller toggle down or use handrims to stop gradually.</p>
SPEED CONTROL	<p>Push Joystick toggle forward or backward to proportionately accelerate or slow down.</p>	<p>Tap Speed Controller toggle to increase or decrease speed step by step, up to level 5 in both profiles.</p>
STEERING	<p>Move Joystick toggle in desired direction to steer.</p>	<p>Steer manually using the handrims.</p>
CRUISE CONTROL	<p>Press the Joystick toggle forward until desired speed is reached, then press down to activate.</p> <p>Steer by moving the Joystick toggle right or left.</p> <p>Exit by moving the Joystick toggle forward or back, or pressing down.</p>	<p>Tap Speed Controller toggle forward or backward to increase or decrease speed level.</p> <p>Steer manually with handrims.</p> <p>Exit by pressing Speed Controller toggle down or by grabbing and holding the handrims.</p>
MANUAL ASSIST	<p>N/A</p>	<p>A gentle boost that engages after a stop and allows you to reposition your chair using the handrims.</p>
DRIVE PROFILE Indoor/Outdoor	<p>Select using the M90 App or the Dual Controller</p>	<p>Select using the M90 App or the Dual Controller</p>
DRIVE SETTING	<p>Choose speed range (Base / Standard / Max) using the M90 App.</p>	<p>Choose speed range (Base / Standard / Max) using the M90 App.</p>

SAFE DRIVING TIPS

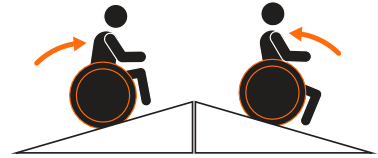
Start Slow. We recommend anti-tips when operating the M90.

Start in Indoor mode in a safe, open environment. Practice stopping at specific points, turning while stationary, and turning while in motion.

HILLS

Begin on a moderate hill with a gradual slope and a safe runout, avoiding immediate turns at the bottom. The M90 provides braking and descent control.

Adjust your body position to maintain balance and prevent tipping – leaning forward to go up or backward to descend. Ensure your trunk is properly supported, if necessary.



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