

### **BFFORF YOU BFGIN**

A Sunrise Medical authorized dealer needs to install the M90 bracket on your wheelchair. This bracket connects the M90 to your chair and lets you use both M90 and regular manual wheels. Refer to the bracket's packaging for detailed instructions or visit: <a href="www.SunriseMedical.com">www.SunriseMedical.com</a>

NOTE Each wheelchair must be matched with its specific M90 bracket model.

The following instructions outline universal requirements that apply to all brackets and wheelchair types. Regardless of the chair model, these steps must be followed in the order listed.

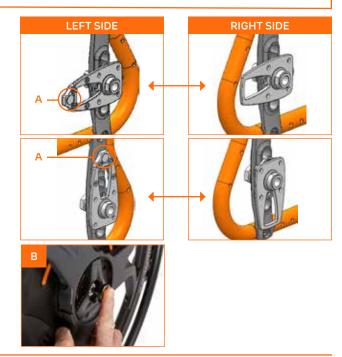
# MOUNTING BRACKET INSTALLATION

Each bracket is specific to the wheelchair make/model and must match the chair. The bracket kit includes chair specific installation instructions.

- 1. The bracket with the magnet (A) will be installed on the LEFT SIDE of the wheelchair.
- Orient the magnetic bracket so the magnet faces either toward the front of the chair or straight upward, as instructed in the chair-specific installation instructions.
- 3. Install the RIGHT SIDE bracket in the opposite orientation of the LEFT SIDE bracket.
- Torque all mounting hardware to the specifications provided in the bracket installation instructions.
- 5. Insert the quick release (QR) axles into the center hub of each M90 wheel. (B)
- Install the M90 wheels onto the chair to confirm proper fit. If the QR axle does not fully lock (ball bearing does not extend completely), adjust axle length using a 19 mm and 11 mm spanner.
- Check wheel locks and adjust if necessary. Wheel locks may require adjustment if the wheel width or diameter changes when installing the M90.

**IMPORTANT** 

Wheel lock adjustment must be completed by a Sunrise Medical authorized dealer to ensure compliance with medical safety standards.



## **CALIBRATION**

M90 wheels should be calibrated before first use. Calibration is needed during initial setup or when switching to a different chair. Calibration sets slope and hill thresholds for optimal performance.

**IMPORTANT** 

Ensure the mounting brackets and wheels are properly installed, the wheelchairs wheel locks are engaged, and the wheelchair is on level ground before starting the calibration process.

Follow steps 1-6 on both the left and right wheels, completing each wheel one at a time.

- Remove the wheel's battery.
- 2. Press and **HOLD** either button on the M90 wheel while reinserting the battery.
- 3. Release the button when the light turns ORANGE.
- 4. Wait for the light to turn WHITE and then GREEN.
- 5. When the light turns GREEN, remove and reinsert the battery.
- 6. The wheel will beep to confirm the calibration was successful.
- Repeat steps 1–6 on the other wheel.
- 8. Remove and swap wheels to the opposite sides and repeat all steps.

STEP 8

STEP 5

NOTE

You will complete calibration steps 1–6 four times—once for each wheel in both left and right positions.

# DEVICE SET UP USING THE M90 APP

- 1. Download the Empulse M90 app from your device's app store. (C)
- Open the app and follow the on-screen instructions to connect it to your M90.
- Select RIDER WEIGHT Category when prompted. Rider Weight can also be adjusted later in the app's Settings menu.
- 4. On the app HOME SCREEN, select the preferred DRIVE PROFILE between, Base, Standard and Max. Each DRIVE MODE in indoor and outdoor can be set up with the below profiles: (D)

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

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

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

5. App SETTINGS provide access to key adjustments, including rider weight category, drive mode restrictions, default drive mode, and a summary of current drive profiles.

#### **Available Restrictions**

- o Disable all-way toggle drive mode
- o Disable speed controller with handrim steering drive mode
- o Disable outdoor drive mode





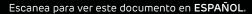
### CHARGING THE M90

- 1. The charging port for each M90 wheel is located between the wheel LED's. To access the charging port lift the silicon cover by pulling the tab. (E)
- 2. Ensure the M90 charger is plugged into an outlet and power is being provided.
- 3. When plugging the charger connector into the M90 wheel ensure the lightning bolt symbol is aligned with the orange triangle indicator on the M90 wheel. The magnetic force will assist in correct alignment.
- 4. Charging is indicated by the M90 wheel LEDs FLASHING PURPLE (F). Leave batteries to charge until both wheels display two SOLID PURPLE LEDs, indicating full charge.
- 5. When charging is complete, remove the charger and press silicone cover back in place.





# SCAN HERE FOR SET-UP AND USE VIDEOS



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