Instruction Manual

Mobility Scooter

EMSLB1 Series

Infinity

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Safety Instructions

Emergency Power-Off

Immediately switch off the power supply if any of the following occur:

1. Unexpected or sudden movement
2. Loss of directional control
3. Brake failure

Safety Instructions

For safe operation of your mobility scooter, do not:

- Carry passengers.
- Operate under the influence of alcohol
- Tailgate other vehicles.
- Use hand-held devices such as radios or mobile phones while driving.
- Exceed the maximum safe climbing angle.
- Use the joystick erratically on inclines or declines.
- Exceed the maximum user weight capacity.
- Press the power button while moving, as this may damage the electromagnetic brakes or joystick controller.
- Travel on soft or unstable terrain.
- Attempt to climb steps higher than 2 inches (unless a ramp is installed).
- Disassemble the mobility scooter without first engaging the electromagnetic brakes and switching off the joystick controller.
- Drive on main roads; always use the footpath.
- Change direction or reverse before the mobility scooter has come to a complete stop.

Always:

- Use a slow speed when travelling downhill (return the joystick to the central position).
- Wear the safety belt.
- Keep feet on the footrest while moving.
- Ensure the batteries are fully charged before each journey.
- Charge the wheelchair in a well-ventilated area.

Reminder: When operating a mobility scooter, the driver must obey all road rules and regulations.

Usage Operation

Major Parts

A mobility scooter consists of the frame, wheels, seat, armrests, battery, motor, and controls.

01 **Led Light**

02 **Charging Port**

03 **Steering Handle**

04 **Seat**

05 **Armrest**

06 **Backrest**

07 **Battery**

08 **Electromagnetic Brake**

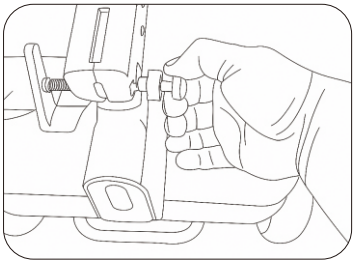
09 **Rear Wheel**

10 **Front Wheel**

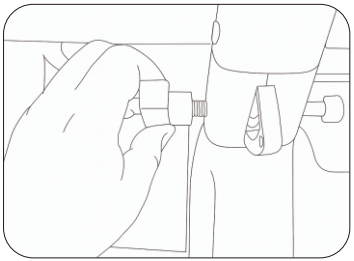
Unfolding Procedure

1. Remove the scooter and accessories from the package.
2. Pull the spring pin and raise the steering handle to a 90° upright position until you hear a "click."

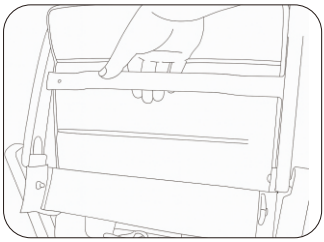
Note: If the pin does not release easily, gently move the steering handle up and down before pulling.

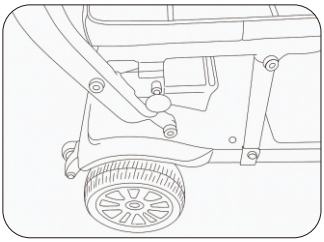


3. After raising the steering handle, adjust it to a comfortable angle, then tighten the locking bolt (located opposite the folding limit pin).



4. Place your hand on the center beam of the backrest bracket and lift until the seat limit pin locks into place with a “click.” Push the seat forward slightly to confirm it is secure and fully locked in place.

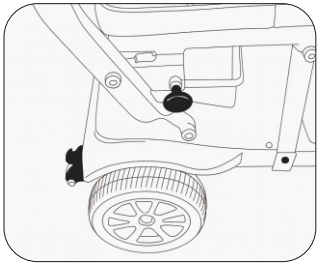


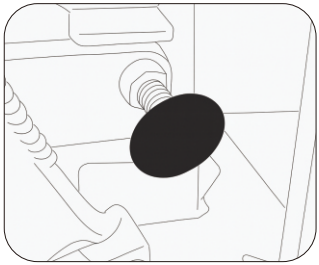


Note: Take care to protect your hands during folding and unfolding operations.

Folding Procedure

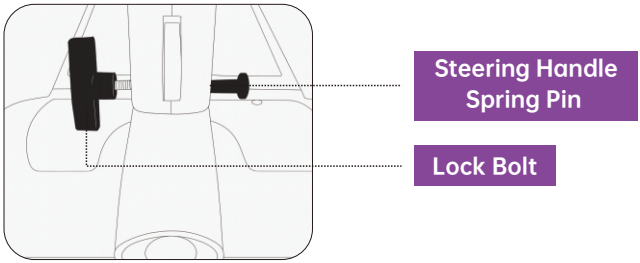
1. Pull the seat limit pin and push the seat forward to fold it down.





2. Loosen the locking bolt.

3. Pull the steering handle spring pin and lower the steering handle. It will lock automatically once folded.



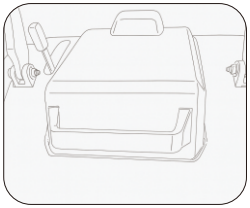
Steering Handle Adjustment

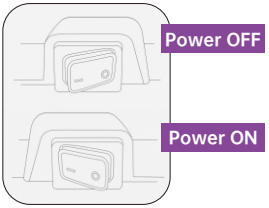
- Loosen the locking bolt and hold the steering column.
- Pull the spring pin, adjust the steering angle to a comfortable position, and release the pin.
- Ensure the spring pin locks into the fixing hole.
- Tighten the locking bolt securely.

Battery Install & Remove Steps

1. Ensure the power switch is turned OFF.
2. Hold the battery by its handle and push it inward. Once it reaches the innermost position, release your hand, the battery will automatically lock into place, completing installation.

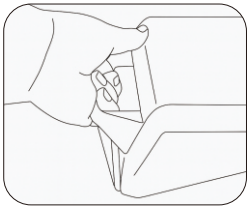
Note: If the pin does not release easily, gently move the steering handle up and down before pulling.



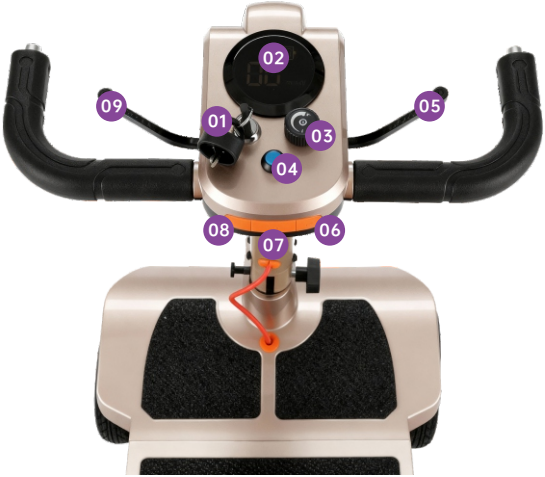


Battery Removal

1. Ensure the power switch is turned OFF.
2. Hold the battery handle, push the battery inward slightly, then lift it up to remove the battery.



Control Panel Operation



01 **Power Switch**

02 **Display Screen**

03 **Speed Dial**

04 **Headlight Button**

05 **Drive/Forward Operating Handle**

06 **Turn Right Button**

07 **Horn Button**

08 **Turn Left Button**

09 **Reverse Operating Handle**

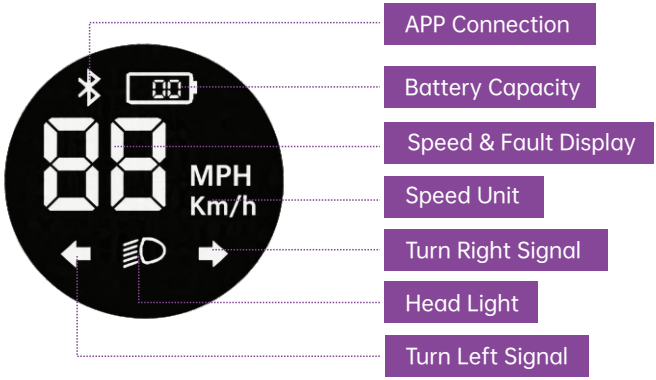
Introduction to Control Panel Functions

Power Switch

- To turn on the mobility scooter: Insert the key and turn it to the right position.
- To turn off the mobility scooter: Insert the key and turn it to the left position.

WARNING: Never turn off the power while driving. Doing so may cause the scooter to stop abruptly, leading to a potential tip-over.

Display Screen



Display Screen Functions

When the power is turned on, the display shows the battery percentage. Battery status can also be indicated by the indicator light:

- Green – sufficient power
- Yellow – low power
- Red – insufficient power, recharge immediately

Speed & Fault Display:

- Current driving speed is shown during operation.
- Faults are indicated by codes (E1, E2 ... EB). Refer to the attached Fault Code Table for details

Fault code	Fault Description	Solutions
E1	Electromagnetic Brake Fault	1. Set handbrake to electric mode 2. Secure brake connector 3. Replace brake if faulty
E2	Operating handle malfunction	1. Ensure operating handle is centered before starting; if not, reset and restart 2. Replace accelerator if faulty
E3	Screen error	1. Replace main line if damaged 2. Secure loose waterproof plug 3. Dry controller plug if shorted by moisture 4. Replace faulty display screen
E4	Overcurrent fault	Check for overload, then power off and restart
E5	Low voltage stat	Check for overload, then power off and restart
E6	High voltage stat	1. Battery voltage too high – check specs and replace if needed 2. Charger voltage too high – replace battery
E7	Charge guard	Inoperable while charging; unplug to use
E8	Controller Overheating	Overheated from overuse/long climb – rest Replace faulty brake
E9	Overheated motor	Overheated from overuse/long climb – rest Replace faulty brake
EA	Motor Hall Fault	1. Secure Hall plug 2. Replace motor
EB	Motor Phase Lose	1. Tighten phase plug 2. Replace motor

Note: If issues persist, contact your dealer or manufacturer.

Indicator Lights

- Left Turn Signal – left indicator light turns on.
- Right Turn Signal – right indicator light turns on.
- Headlight Signal – headlight indicator light turns on.

Speed Dial

Adjusts driving speed:
- Turn fully left (counterclockwise) – slowest speed
- Turn fully right (clockwise) – fastest speed

Headlight

Illuminate the road ahead for driving.

Forward/Reverse Lever

- Pull right lever to move forward
- Pull left lever to reverse
- Release both levers to stop; the electromagnetic brake engages automatically

Turn Right Button

· Press to activate right turn signal (rear taillight flows right, display flashes). Press again to cancel.

Horn Button

· Press to sound the horn.

Turn Left Button

· Press to activate left turn signal (rear taillight flows left, display flashes). Press again to cancel.

Fuse

· Protects the circuit in case of a short. If blown, replace after fixing the fault to restore function.

Battery Charging Port

· Connect here to charge the battery.

Electric Operation / Manual Push Mode

When the scooter is in electric operation mode (power mode) , only the controller can be used to move the scooter. The scooter cannot be pushed manually, which helps prevent the wheels from rolling.

Manual operation can be activated by switching the electromagnetic brake This allows the scooter to be pushed manually, while disabling the electronic functions.

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