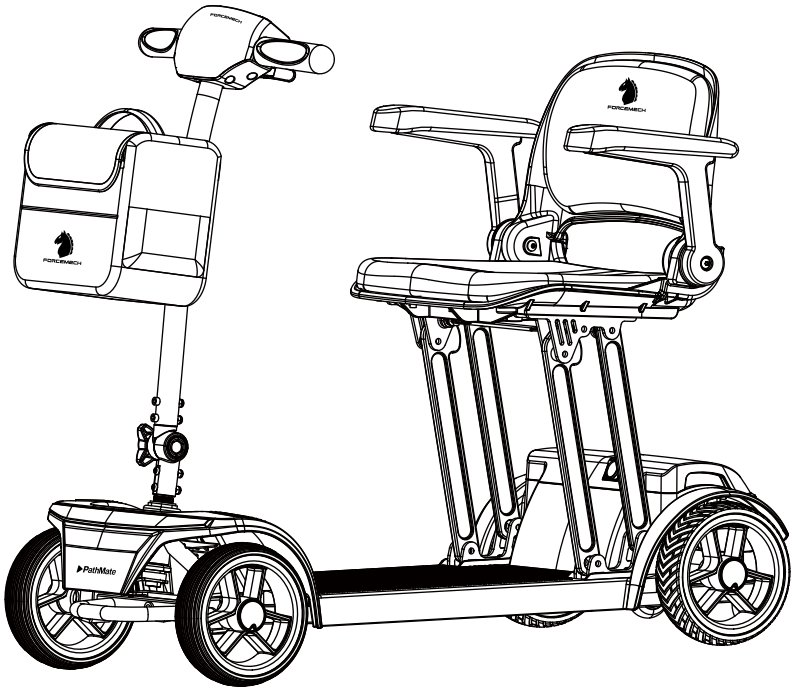
FORCEMECH

PathMate



User Manual

Mobility Scooter

www.forcemech.com support@forcemech.com

How to Use This Manual

Please read the user manual carefully before taking the product into use.

- This manual applies to our model: **PathMate**
- This manual contains operations and assembly methods.
- This manual contains scooter maintenance and self-inspection methods. Please store in proper place.
- This manual contains solutions to simple device faults.
- Please provide this manual for reference when other people are going to use this scooter.
- The annotations and illustrations in this manual might be slightly different with the real parts due to quality improvements from design changes. We thank you for your patience.
- Contact your dealer if there is any ambiguity or questions.
- Improper use of any vehicle may lead to injury. Unsafe driving could harm yourself and others.
- The mobility scooter is intended to comfortably transport those with walking difficulties.
- This mobility scooter is designed to transport 1 person only.

Content

Introduction

Thank you from the entire team at Forcemech International for choosing the **Forcemech PathMate**—our newest ultra-portable mobility scooter, and a true reflection of everything we stand for as a leader in premium mobility solutions. Since our founding in 2016, rooted in Houston, Texas, we have dedicated ourselves to one core mission: crafting the world's best premium portable mobility solutions that empower independence, prioritize comfort, and never compromise on quality or reliability. Over the years, this commitment has shaped our legacy—one built on listening to the unique needs of users, refining our engineering expertise, and infusing every product with a thoughtful eye for both functionality and the inherent beauty of well-designed mobility machines. The PathMate is the culmination of this journey: it carries forward Forcemech's legacy of trusted craftsmanship while embracing innovative, ultra-portable design that adapts seamlessly to your daily life—whether you're navigating city sidewalks, exploring outdoor trails, or moving through indoor spaces with ease.

Every detail of the PathMate has been engineered with your experience in mind: from its lightweight yet durable frame (a hallmark of our expertise in balancing portability and sturdiness) to its intuitive controls and sleek, modern aesthetic—because we believe mobility products should not only perform reliably but also reflect the care and attention to detail that defines premium design. As you begin using your PathMate, this user manual will be your guide to unlocking all its features: from safe operation and routine maintenance to troubleshooting simple issues, ensuring you get the most out of your scooter for years to come.

At Forcemech International, we don't just sell mobility products—we partner with you on your journey toward greater independence. If you ever have questions, need support, or want to learn more about how to make the PathMate work for your unique lifestyle, our team (based right here in Houston), our network of authorized dealers, or our support channels are here to help: visit www.forcemech.com, email support@forcemech.com, or call 1-877-90-FORCE. Thank you again for trusting Forcemech—and welcome to a world of mobility that's designed around you.

Safty Guide

DO NOT OPERATE THE SCOOTER BEFORE READING AND UNDERSTANDING THIS INSTRUCTION MANUAL.

IF YOU ARE IN DOUBT ABOUT THE MEANING OF THESE INSTRUCTIONS, OR ANY OF THE CAUTIONS AND WARNINGS, PLEASE CONSULT YOUR HEALTHCARE PROFESSIONAL, DEALER OR RELEVANT TECHNICAL PERSONNEL.

FAILURE TO FULLY UNDERSTAND THE OPERATION OF THE SCOOTER MAY RESULT IN AN UNEXPECTED RESPONSE FROM THE EQUIPMENT, WHICH CAN THEN LEAD TO POSSIBLE INJURY OR DAMAGE.

Notes

Warning and Caution notices used in this manual apply to hazards and unsafe practices that could result in personal injury or damage to property.

Warning

We supply an extensive range of mobility scooters to meet the varying needs of individual users. It is the responsibility of the individual user and their qualified healthcare advisor to decide which scooter is suitable for the user's intended purpose.

Regarding restraints, seat positioning straps, posture correction, or other positional aids and accessories, it is the obligation of the qualified healthcare professional in conjunction with the dealer to ensure the suitability of such equipment for the safe operation of the scooter.

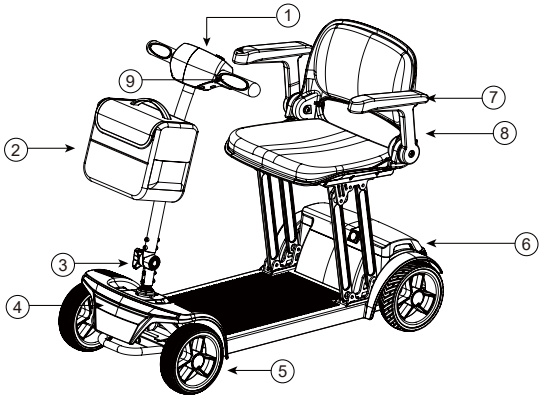
Serious injury can occur in the event of a fall from a mobility scooter. We DO NOT RECOMMEND that a scooter user is transported in any type of vehicle when seated in the scooter.

At this time, there are no approved tie-down systems for the transportation of a user in ANY moving vehicle whilst seated in a scooter. It is our opinion that users of mobility scooters should be transferred into the appropriate vehicle seating with proper restraints for transportation.

Intended Use

The intended use of the device is for people who can barely walk but have the ability to operate a mobility scooter.

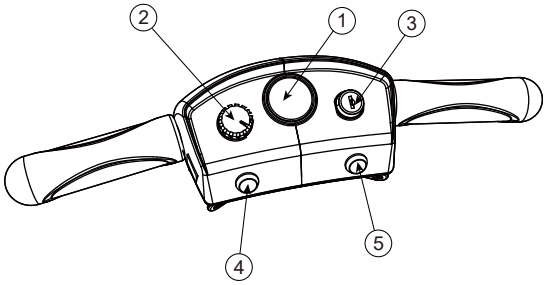
Operation



1. Control Panel
2. Basket
3. Adjustable Tiller
4. LED Headlight
5. Tires
6. Brake Light
7. Adjustable Armrests
8. Luxury Seat
9. USB Charging Port

Control Panel

All of the drive controls for the scooter are to be found on the tiller control box.



1. Battery Gauge
2. Speed Knob
3. Key Switch
4. Horn Swtich
5. Light Button

The Preset Speed Knob

Turning this knob to the left, reduces your available maximum speed.
Turning it to the right, increases the available maximum speed **(see figure 1)** .

The Battery Gauge

This gives an approximation of battery charge level and is illuminated for clarity.
The gauge rangs from "RED"(empty), to "YELLOW" (charge required), to "GREEN"(charged).

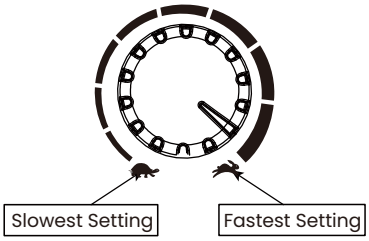


Figure 1: Preset Speed Knob Positions

Operation

LEDS	BATTERY PERCENTAGE
● ● ● ● ● ● ● ●	91-100% remaining
● ● ● ● ● ● ●	76-90% remaining
● ● ● ● ● ●	61-75% remaining
● ● ● ● ●	46-60% remaining
● ● ● ●	31-45% remaining
● ● ●	21-30% remaining
● ●	10-20% remaining
●	＜10% remaining

As the scooter moves over differing terrain, it is normal for the Battery Gauge to dip up and down. For a more accurate reading, stop the scooter. The gauge will dip more often in cold and damp weather, as the capacity and efficiency of all batteries drop in these conditions.

Tip

If your battery gauge has gone into the "RED" section, you can increase your remaining range by reducing your maximum speed. Remember, you must charge your battery overnight as soon as possible to prevent battery damage.

Operating the Lights

The lights are operated by pressing the blue button on the front fascia panel. Press the button once to illuminate the lights; press the button again to switch the lights off. Switch the lights on to make yourself more visible in low levels of light, day or night.

Throttle Lever

The throttle lever controls the speed as well as the forward and reverse motion of the scooter.

- To move the scooter forward, push the lever inward with your right thumb**(see Figure 2)** .

- To move the scooter backward, push the lever inward with your left thumb**(see Figure 3)** .

When the lever is released, it will automatically return to its original position, and the scooter will slow down to a stop.

Operation

The more you move the lever, the more your speed will increase (up to its preset maximum). It is possible to operate your scooter using only one side of the throttle lever. To do this, simply PUSH on the chosen side of the throttle lever.

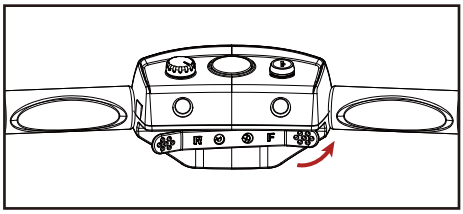


Figure 2 : Forward Throttle Operation

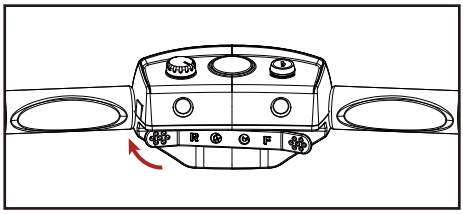


Figure 3 : Reverse Throttle Operation

Horn Button

Pressing the horn button produces an audible warning sound. Use this function to warn pedestrians of your presence when necessary.

Key Switch

The key switch turns the scooter ON and OFF.

Please note that the key cannot be removed when it is in the ON position**(see figure 4)** .

Turning the key to OFF while driving will cause the scooter to stop very abruptly**(see figure 5)** . This is not recommended except in an emergency, as continual use of this function could result in damage to the scooter.

Make sure that the switch is in the OFF position before getting on or off the scooter. To ensure that the scooter is OFF, remove the key.

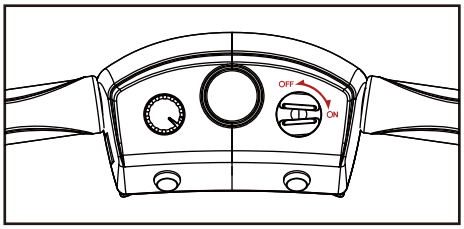


Figure 4 : Key Switch (ON Position)

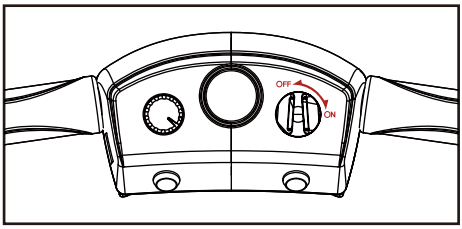


Figure 5 : Emergency Stop via Key Switch

Charging Socket

The socket to connect the charger is located on the battery pack**(see figure 6 and 7)** .

To use the socket, swivel the plastic cover to the left or right to reveal the socket connections. The charger output plug can now be connected, ready to accept charge current from the battery charger.

After use, ensure that the plastic swivel cover is rotated back into place. This action helps prevent water from entering the socket connections.

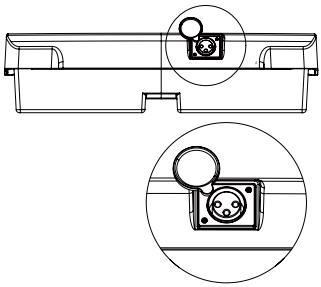


Figure 6 : Charging Socket (Cover Closed)

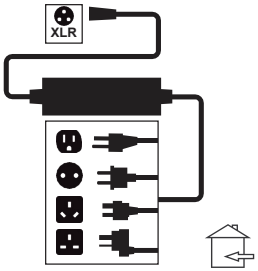


Figure 7 : Charging Socket (Cover Open)

WARNING

Do not attempt to charge your scooter outdoors or in damp/wet conditions. Failure to comply with this instruction may lead to a shock or fire hazard.

Freewheel mechanism

A freewheel device disengages the engine to allow for manual operation only. The motor can be restarted by pushing the lever down. Please make sure to power off the scooter when moving the lever from the unlock to the lock position. This will ensure the scooter registers the change.

The lever is located on the right-hand side of the scooter's rear panel **(see figure 8)**.

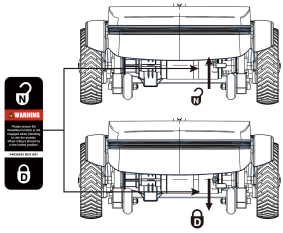


Figure 8 : Freewheel Lever Location

WARNING

Use extreme caution in freewheel mode, especially on slopes/inclines. In these circumstances, letting go of your scooter will cause it to roll.

Please ensure that the freewheel function is disengaged when intending to ride the scooter and that after use, it is reengaged. Failure to do so may result in injury.

Seat Removal and Adjustment

Folding the Seat

1. Pull the Seat Strap: Stand behind the seat and gently pull the strap located under the seat base to rele ase the locking mechanism**(see figure 9)** .

2. Fold the Seat: Smoothly fold the seat forward and place it securely on the footrest. Ensure it sits stably **(see figure 10)** .

3. Adjust the Armrests: Fold down the left and right armrests one after the other until they rest flat again st the seat**(see figure 11)** .

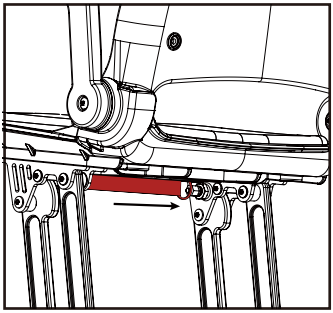


Figure 9 : Seat Strap for Lock Release

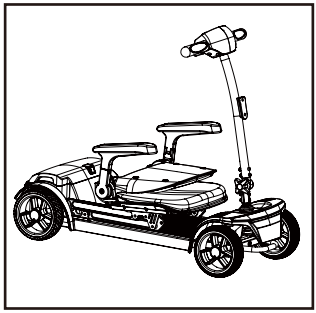


Figure 10 : Folded Seat on Footrest

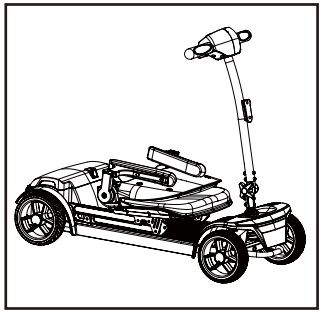


Figure 11 : Folded Armrests

Tiller, Battery and Charging

Tiller Adjustment

The scooter features an infinitely adjustable tiller, which allows you to lock the tiller in the most comfortable position for driving. This feature also lets you fold the tiller down fully for transportation and stowage **(see figure 12)** . The folding knob is located on the bottom of the tiller.

To adjust:

1. Support the tiller with your left hand.
2. Rotate the folding knob counterclockwise to release the tiller.
3. Move the tiller to the desired location.
4. Rotate the folding knob clockwise to lock the tiller.

Battery Removal

1. Make sure the mobility scooter is powered off.
2. Grasp both side handles at the rear of the scooter and lift upward to remove the battery from the compartment**(see figure 13)** .

No tools are required — the removal process is quick and easy.

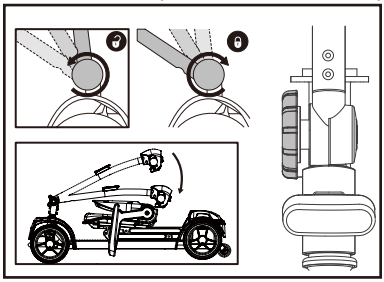


Figure 12 : Tiller Adjustment and Folding

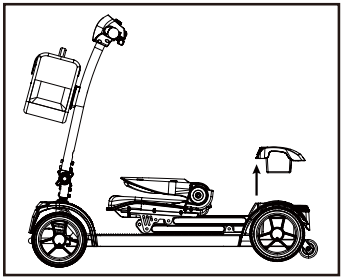


Figure 13 : Battery Removal

Battery Charging

Your scooter is supplied with a charger. Please note that only chargers supplied by your local authorized dealer (with a capacity of minimum 2.0 Amps and maximum of 6.0 Amps) should be used. Turn off scooter before charging.

To charge:

1. Move the charger connector cover located on the battery pack and connect the charger.
2. Ensure that the charger plug is dry and intact before connecting it to the scooter.

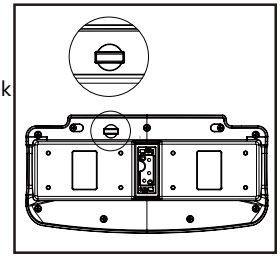


Figure 14

Tiller, Battery and Charging

Note

Operating instructions

- Make sure that the power cord, charger, and battery connector are connected.
- Check that the output voltage of the charger is the same as the connecting battery.
- Connect the charger's plug to the battery first, then plug the AC power plug into the electricity outlet.

LED indications

- Red light on: Power on, disconnect with the battery
- Orange light on: Charging
- Green light on: Full-charged

Troubleshooting(Charging)

1. When the RED light is off despite the power being on:

- Check if the charger's input power cord has been plugged into a proper, functional socket. If this is the case, the battery may be defective. Please send the charger back to the manufacturer for repair, or contact our support team first: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

2. When the ORANGE light is off while charging:

- Check if the charger and battery connectors are correctly connected and that the battery is not fully charged. If this is the case, the battery may be defective. Please send the charger back to the manufacturer, or reach out to our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

3. When the ORANGE light turns to GREEN immediately:

- Check if the battery is fully charged. If not, the charger may be defective. Please send the charger back to the manufacturer for repair, or contact our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Caution

- For indoor use only. Do not expose to rain.
- Please remove charger from outlet before removing the charger from the battery.
- Avoid explosive gases or sparks by putting the charger in a well-ventilated area when charging.
- Only use the charger with 24V lead acid batteries.

WARNING!

Only use the original charger from our company. Using another brand's charger may shorten your warranty period, using an unknown charger may cause damage to your scooters, and using the wrong charger may cause a fire.
Use extreme caution to manage the battery and charger.
Don’t throw the battery into the fire. Dispose of battery according to the local law.

- Do not put the battery near any heating device that may cause the battery to explode.

- Do not press on the battery, stab it, or let it endure any high pressure. This may cause it to short-circuit or overheat.

- DO NOT TOUCH BATTERY PACK TERMINALS WITH METAL OBJECTS. THIS INCLUDES METALLIC JEWELRY. DO NOT EXPOSE CHARGING BATTERIES TO NAKED FLAMES OR SMOKE. REPLACE DAMAGED OR LEAKING BATTERIES IMMEDIATELY. WEAR GLOVES IF MOVING LEAKING BATTERIES.

- IF THERE IS DAMAGE TO THE BATTERIES OR THE BATTERY BOXES, CONTACT YOUR LOCAL DEALER IMMEDIATELY OR REACH OUT TO OUR SUPPORT TEAM: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE. DO NOT ATTEMPT TO FIX THE BATTERIES YOURSELF.

Transportation

Disassembling Transportation

1. Switch off the scooter.
2. Remove the basket.
3. Remove the seat.
4. Take out the detent pin and remove the seat post.
5. Using the folding knob, lower the tiller to lock into its lowest setting.
6. Using the lifting handles provided, carefully lift the scooter safely and securely into the luggage compartment of the vehicle.

Tip

Please place all disassembled parts into the original carton from us to ensure safe transportation **(see Figure 15)**. To reassemble your scooter, simply reverse the above steps.

Important

Before transporting, make sure to secure the electric scooter parts. Remember to prevent the scooter from moving by pushing down the freewheel handle. Do not sit on the scooter during transport.

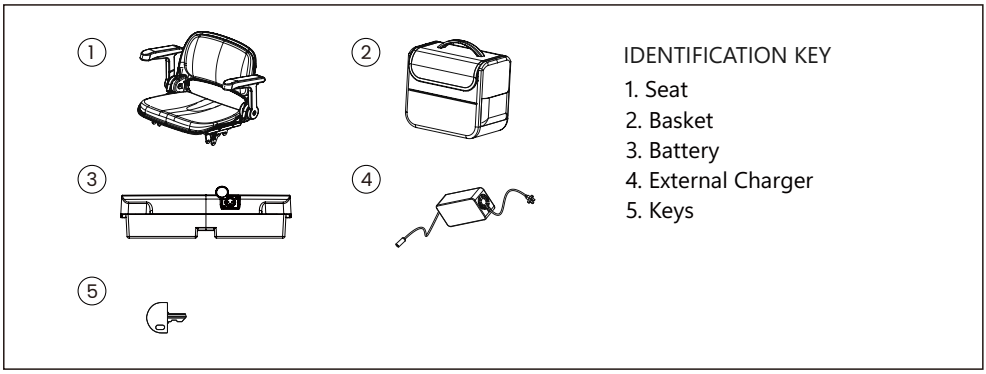


Figure 15 : Disassembled Parts in Original Carton

Guidance for safe operation

Basic Driving

For the first few sessions of operating your scooter, it is advisable to choose an area clear of obstacles and pedestrians.

Before operating your scooter:

- Ensure the seat height and position have been adjusted to your satisfaction.
- Ensure the tiller angle has been set for optimal safety and comfort.

To operate:

1. To start: Sit properly on the scooter, check that the speed control knob is fully to the left, then turn the key switch to the "ON" position.
2. On the tiller, use the throttle levers as described earlier. Gently accelerate by pushing the lever; release the lever to stop gently. Practice these two basic functions until you are comfortable with them.
3. Steering the scooter is easy and logical. Remember to allow enough clearance when turning corners so that the rear wheels clear any obstacles.
4. Short-cutting a pavement corner can cause problems for the back wheels if the corner is very rough. Avoid this at all times by steering an exaggerated curve around the obstacle.
5. When steering in a tight spot (e.g., entering a doorway or turning around): Stop the scooter, turn the handlebar to your desired direction, then apply power gently. This will make the scooter turn very sharply. It is also recommended to set the preset speed to a slower setting for better control.
6. Reversing requires caution—especially when reversing down slopes. When reversing, always turn the handlebars in the opposite direction to where you want to go.

The more you operate the throttle lever, the faster you will go. Reverse speed is 50% slower than forward speed. If the scooter does not move in reverse, carefully turn the speed control knob clockwise until the scooter moves gently backwards.

Important

To preserve battery power, the controller has a "sleep timer" feature. If the scooter is left ON but not operated for 15 minutes, it will enter "sleep mode". To reset this, switch the scooter OFF and then back ON.

Note: The user's visual acuity must be higher than 0.5.

Hill Climbing

This scooter has been tested to climb an incline of no more than 8° with a maximum user weight of up to 275 lb **(see Figure 16)**. Do not attempt to climb inclines greater than this.
Always reduce your speed when reversing on slopes. Do not attempt to reverse down hills in excess of 8°. Do not attempt to drive with the wheels at different levels (e.g., along the footpath and road simultaneously).

Hill-climbing capability and the distance traveled between battery charges may be adversely affected by:

- The weight of the user (exceeding 275 lb will reduce performance).
- The use and weight of accessories.

- The terrain (e.g., grass or gravel).
- The steepness of hills.
- The level of charge and the age of the batteries.
- Extreme temperatures.

Note: Do not traverse across the face of a slope that is greater than 12°.

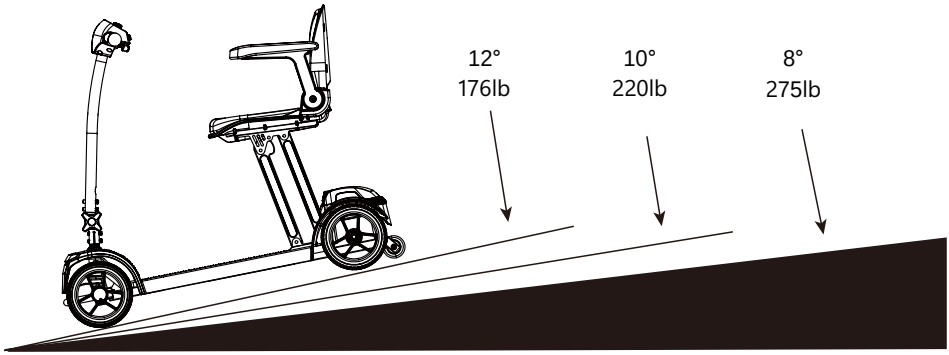


Figure 16 : Hill Climbing Capability by Weight and Slope

Braking

To stop the scooter, simply release the throttle control lever **(see figure 17)** .
Remember to keep both hands on the handlebars when the scooter is braking.
Releasing the control lever will stop your scooter within seconds.

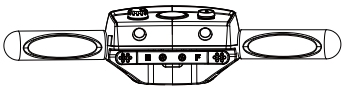


Figure 17 : Throttle Lever Release for Braking

Note: Automatic braking is not instantaneous— it will engage wihin half a tire rotation upon stopping.

Emergency Braking

In an emergency or if the scooter moves unexpectedly, switching off the key switch will stop the scooter. Though effective, emergency braking is extremely abrupt and must never be used under normal circumstances.
Releasing the throttle lever will slow the scooter to a controlled stop. Routine use of emergency braking will cause damage to your scooter.

Switching off and Storage

The scooter must be switched off using the key switch. When storing the scooter for a long period (or when not in use), always charge the batteries for 12 hours, then disconnect the battery pack before storing it at or near room temperature. If you need guidance on storage, contact our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Guidance for safe operation

Use on the Footpaths

When using your scooter on footpaths:

- Always be aware of pedestrians and situations that require extra care (e.g., those with young children or pets).
- Drive with caution and respect for others at all times, especially in public places.
- When maneuvering in confined areas (including shops), select the minimum speed.
- If you leave your scooter outside a shop, ensure it does not obstruct the footpath or vehicular access.
- Always switch off the scooter and take your key with you.

Crossing roads

Your scooter cannot mount or dismount curbs and other obstacles exceeding 1.8 inches in height.
Before crossing the road:
1. Drive forward and position the scooter at 90° to the road, stopping about 12–24 inches (1–2 feet) from the edge of the footpath.
2. Check that the road is clear to cross.
3. Select a medium to high speed setting (up to 3.7 mph).
4. When safe, drive across without stopping.

Note: Heavier users (closer to 275 lb) may require higher speed settings.

Turning corners

Always reduce your speed when turning corners. Ignoring this advice could cause the scooter to tip over. The anti-tip devices fitted to the scooter must not be removed. A lower speed setting is also recommended when traveling downhill or in reverse.

Use of mobile phones

Do not use mobile telephones or radio devices while operating the scooter.
If you need to use a mobile phone or radio, stop the scooter and turn off its power first.

Tires

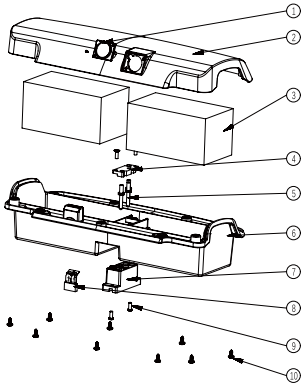
Your scooter has solid tires (diameter: 7.1 inches × width: 2 inches). Regularly inspect the tires for damage or wear.

Battery and charging information

General information

Batteries are the power source for almost all modern mobility products. The design of batteries used in mobility products differs significantly from other batteries (e.g., car batteries). Car batteries are designed to release a large amount of power over a short period, while mobility batteries (commonly called " deep-cycle batteries") release power evenly over a long period. Due to lower production volumes and higher technological requirements, mobility batteries cost more.

Typically, two 12-volt batteries are used together in a mobility product to provide a total voltage of 24 volts. The battery' s size (available power) is expressed in ampere-hours (Ah). The higher the Ah number, the larger the battery (in size and weight), allowing for a greater travel distance (up to 8.1 miles for the PathMate; **see Figure 18**).



Identification key

1. Charging port
2. Battery box upper cover
3. Lithium battery (24V12AH)
4. Battery socket clamp
5. Battery plug pin
6. Battery box lower cover
7. Female battery connector
8. 5A blade fuse
9. M4*0.5 Phillips pan-head screw
10. ST4.2*0.5 inch Phillips pan-head self-tapping screw

Figure 18 **: Battery Size and Power Indication**

Batteries

Your scooter is fitted with maintenance-free batteries—only regular charging is required. If a battery is physically damaged, handle it with extreme caution (battery weight: 5.6 lb).

Battery electrolytes are corrosive:

- Avoid contact with skin or clothing. If contact occurs, wash immediately with soap and water.
- If electrolyte contacts the eye, immediately flush the eye with running cold water for at least 10 minutes and seek medical attention.

In such an event, contact your local dealer or our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Do not dispose of batteries in normal waste—always recycle them in accordance with local laws.

Maintenance-free

This type of battery uses GEL electrolytes, which are fully sealed within the battery's outer case. The sealed design allows safe transportation (no risk of acid spilling) and approval for use on aircraft, boats, and trains.

It is recommended that batteries are always transported and stored upright.

Only use batteries supplied by an authorized dealer. If you need a replacement battery, contact your dealer or our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Battery and charging information

It is recommended that the batteries are always transported and stored upright.
Only use batteries supplied by an authorized dealer.

Charging Battery Care

- Do not expose any part of the battery to direct heat. When charging, always place the battery on a hard surface in a well-ventilated room.
- Do not charge the batteries outdoors.
- Do not smoke near charging batteries. Remove all naked flames from the area.
- Do not allow the batteries to freeze.
- Remove all conductive jewelry before checking battery terminals to prevent short-circuiting.

Battery Pack Care

We have outlined a maintenance plan for maintenance-free batteries. Failure to follow these directions may result in lower-than-expected performance from your scooter (e.g., reduced range below 8.1 miles):
1. Only use the approved battery charger compatible with the vehicle (charger specs: DC24V2A; AC100–240V).
2. Charge the batteries for 8–10 hours before first use.
3. Do not interrupt the charging cycle.
4. Recharge the scooter when the battery indicator shows low charge. Do not charge the battery daily if it is not needed.

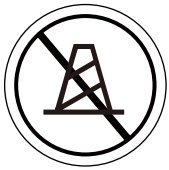
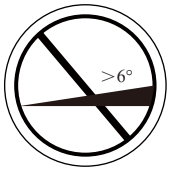
Range of Vehicle

Most mobility product manufacturers state their vehicles' range in sales materials or owner's manuals. Even with the same battery size, range may vary between manufacturers due to motor efficiency and overall product load weight. The PathMate's stated range is 8.1–9.3 miles (theoretical maximum).

This range may be reduced if one or more of the following apply:
1. User weight exceeds 275 lb.
2. Batteries are old or in poor condition.
3. Terrain is difficult or unsuitable (e.g., very hilly, sloping, muddy, gravel, grass, snow, or ice).
4. Thick carpets (indoors) affect range.
5. Ambient temperature is extremely hot or cold.
6. One or more tires are damaged.
7. Frequent starts and stops during driving.

Note: If you are using the scooter and the battery gauge reads low, you can slightly increase the remaining range by reducing the maximum speed (from 3.7 mph to a lower setting).

General warning

 Never operate the scooter while under the influence of alcohol.	 Never use electronic radio transmitters (e.g., walkie-talkies or cellular phones) while operating.	 Make sure there are no obstacles behind you when reversing.
 Do not ride your scooter in traffic.	 Do not ride your scooter in snow (to avoid accidents from slippery roads).	 Do not attempt to climb, ascend, or descend ramps greater than 6°.
 Do not make sharp turns at high speeds (forward or reverse; maximum safe speed for turns: <3.7 mph).	 Do not attempt to climb curbs beyond the limitations stated in the technical specifications (max curb height: 1.8 inches).	 Do not use an escalator to move the mobility scooter between floors (this may lead to serious bodily injury).

Personal & Operational Guidelines

Driver profiles should only be adjusted by healthcare professionals and approved agents/dealers — individuals fully familiar with the process and the user' s capabilities to operate the scooter safely. Incorrect settings may cause injury to the user or bystanders, or damage to the scooter or nearby property.

To determine personal mobility limitations:

- Practice bending, reaching, and mounting/dismounting techniques.
- For users with balance problems, practice these techniques with an assistant and in the presence of a healthcare professional.

If you have questions about driver profile adjustments, contact your dealer or our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

General warning

- Attention: Switch on the scooter lights to increase visibility in low light (day or night).
- The rear body panel (where fitted) is designed to cover the Drive Assembly, Wiring Harness, and Electrical Connectors. DO NOT stand on any body panels— only the foot pedal. DO NOT stand on the scooter seat.
- DO NOT attempt to transfer into or out of the scooter seat without first checking that it is LOCKED in position. Unsafe transfers can result in bodily injury or damage. DO NOT drive the scooter if the seat is not LOCKED in the FORWARD position. The seat must be secured in the forward-facing position BEFORE and DURING operation. Operating the scooter with an unsecured seat could result in bodily injury or damage.
- DO NOT operate the scooter without ensuring the tiller is properly adjusted and secured. To check, gently push and pull the tiller to confirm it is locked. An unsecured tiller could result in bodily injury or damage.
- If the throttle lever is released while ascending an incline, the scooter will roll back. In FORWARD or REVERSE motion, the scooter will roll back approximately 12 inches (1 foot) before the brake engages.
- Check that all electrical connections are secure before using the scooter. DO NOT disconnect, cut, extend, or modify ANY wiring harnesses in or connected to the scooter or its battery charger. Ensure the scooter's battery charger is connected to a properly installed electrical socket. Failure to comply may result in a SHOCK HAZARD.
- DO NOT use batteries that are not DEEP-CYCLE GEL, AGM, or SEALED LEAD-ACID types. Other battery types are NOT SUITABLE. Read the battery/battery charger information before installation. If you need help identifying compatible batteries, contact our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Specifications

Measurements are for guidance only. Small differences may occur.

Parameter	PathMate
Length	39''
Rear width	19''
Height	35''
Max user weight	275 lbs
Battery capacity	12Ah
Max safe slope	12 degrees
Turn radius	48''
Seat - base height	20''
Max speed	4mph
Wheel diameter front	7''×2.0''
Wheel diameter rear	7.2''×2.0''
Charger off-board	DC24V2A AC100-240V
Range	10-15 miles
Scooter weight	41lbs
Ground clearance	2''
Battery weight	6lbs
Front basket weight	1 lb
Charger	24V/32A
Category classification to prevent electric shock	Class A
Classification of the degree of water resistance	IPX4
Volts of the mobility scooter power	24VDC（2 units）
Type of power	DC24V

Routine maintenance

The following outlines when routine maintenance checks should be performed:

Daily

- Before use, check the battery charge indicator on the tiller to ensure the batteries were charged.

Weekly

- Clean panels, battery wells, the tiller, and the seat with a damp soft cloth and mild detergent.
- Inspect each tire (7.1 inches × 2.0 inches) for debris, oil, deep cuts, or distortion.
- Ensure the batteries are charged for a minimum of 8 hours.

Quarterly

- Check the tires to ensure that the tread is visible and continuous.

Annually

- Full service by dealer.
- Inspection of seat swivel and seat slide.
- Inspection of wiring and connectors for chafing and wear.
- Inspection of battery terminals.
- Inspection of the parking brake.
- Inspection of stabilizer wheels for wear.
- Inspection of motor brushes.

If you need to schedule a service or have questions about maintenance, contact your local dealer or our support team: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Storage

When storing the scooter for long periods (exceeding one month):
1. Charge the batteries for 8 hours.
2. Disconnect the batteries to minimize discharge.

Electronic faults

Do not attempt to investigate faults in the control box, control pod, or charger— their design and setup are critical for your safety. Spare parts and services are available from authorized dealers. For help with electronic issues, contact your dealer or our support team: www.forcemech.com, support @forcemech.com, or 1-877-90-FORCE.

Replacing LED

Caution! Disconnect batteries before changing LED.

Wheels

Wheels (7.1 inches × 2.0 inches) should only be removed and refitted by an authorized dealer.

Trouble shooting guide

Sympton	Possible Cause	Solution
Shortened range (below 8.1 miles)	Batteries not charged for enough time	Charge batteries for 8 hours or more
	Batteries are weak and cannot hold a charge	Replace the battery pack; contact your dealer or support
Battery pack not charging; battery gauge shows empty after charging	Battery pack fault	Replace charger&contact support
	Charge fault	Contact local mobility dealer& our support team
	Charger loom or plug damaged	Check plugs and looms; contact support for parts)
	Loose connection	Try a wall socket in a different room
	No output from the wall outlet	Unplug from wall & change fuse
	Fuse in charger's mains plug blown	Switch off the charger and press the reset button back in
	Reset button on the battery pack has popped out	Switch off and press button back in
	Output fuse in the charger is blown	Unplug from the wall and contact your dealer or support
	Charging current is too high	Replace the battery pack (contact support for assistance)
	Scooter switched on during charging	Turn the scooter off
No drive	Brake release lever is disengaged (unlocked)	Engage brake release lever (lock it)
	Flat batteries (range <2 miles)	Charge battery pack for 8+ hours
	Scooter not switched on with key	Ensure the key is switched to ON
	Battery pack not engaged properly	Check battery pack is fully engaged onto connectors

Trouble shooting guide

Sympton	Possible Cause	Solution
No drive	Charger plugged in	Unplug the charger
	Reset button on the battery pack has popped out	Reset the circuit-breaker button
	Disconnected loom or plugs	Check all plugs & loomsif loose
	Control system fault	Contact dealer or our support team
Motor runs irregularly and/or noisily	Electrical malfunction	Contact dealer & our support team
	Control system fault	Contact dealer & our support team
Do not attempt to open any parts of the scooter's control system, battery pack, looms, plugs, or battery charger. This is critical for your safety— there are no user-serviceable parts.		

Your scooter is fitted with a self-diagnostic controller that emits a sequence of audible beeps when an error is detected. This helps you or an authorized service agent identify the issue.

If you switch on the scooter and hear beeps:
1. Note the number of beeps (a short delay separates each sequence).
2. Refer to the table below.

Number of beeps	Represent	Possible cause	Solution
●	Low battery power	Insufficient power (range <2 miles)	Charge the battery for 8+ hours
●●	Low battery voltage	Insufficient power	Charge the battery
●●●	High battery voltage	Voltage is too high when overloading or climbing	Decrease speed while climbing (from 3.7 mph to < 2mph); check battery connections

Trouble shooting guide

Number of beeps	Represent	Possible cause	Solution
●●●●	High electric current	Electric current exceeds the motor's limit	Check the motor and related wiring connections; switch off the scooter, wait a few minutes, then switch it back on
●●●●●	Freewheel level issue	Freewheel lever is in the "on" position	Switch off the scooter; confirm the rear lever is in the locked position, then turn the scooter back on
●●●●●●	Acceleration variable resistor issue	Accelerate variable resistor not in the neutral position	Ensure the acceleration variable resistor is in the neutral position; decrease speed while climbing
●●●●●●●	Speed limit resistor issue	Fault with the acceleration variable resistor, speed-limited variable resistor, or related wiring	Check the acceleration variable resistor, speed-limited variable resistor, and related wiring; contact support if fault persists
●●●●●●●●	Motor voltage issue	Fault with the motor or related wiring	Check the motor and related wiring; contact your dealer or support for repairs
●●●●●●●●●	Other issues	Internal controller fault	Check all connections and wiring; contact our support team for further assistance

Warranty

One-year limited warranty

Drivetrain parts (transaxle, motor, and brake) and all electrical parts (including controllers and battery chargers) are covered under a one-year warranty.
Any attempt to open or dismantle these parts will void the warranty.

Six-Month limited warranty

Batteries are covered by a six-month warranty from the original manufacturer.

Not covered under warranty

The following are classified as "wear items" (may require replacement under normal wear and tear) and are not covered:

• Tires (7.1 inches × 2.0 inches), seat belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses.

Warranty will also be refused if damage is deemed to result from misuse or an accident for which Forcemech International cannot be held responsible.

NOTE: Forcemech International provides parts only under warranty. Your authorized Forcemech International dealer is responsible for labor and services. Please contact your authorized Forcemech International dealer or our support team for information on these services and any applicable charges: www.forcemech.com, support@forcemech.com, or 1-877-90-FORCE.

Your local service agent & Support Channels

Website: www.forcemech.com

E-Mail: support@forcemech.com

Phone: 1-877-90-FORCE

FORCEMECH

INNOVATE MOBILITY FREEDOM

FORCEMECH SERIAL NUMBER & CERTIFICATE OF AUTHENTICATION

PathMate

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