

# Feather™

## Feather 27X Scooter Owners Manual



**Product: Feather 27X Scooter**  
**SKU: FC-27XS Brand: Feather**

*Congratulations on buying the World's Lightest Mobility Power Scooter!!*

*At only 27Lbs, the Feather 27X Scooter is one of the lightest power scooters in the world. Transporting individuals has never been easier! With brand-new materials, the Feather Scooter sets a new standard for lightweight mobility devices. Anyone can lift this scooter into a car, truck, or SUV. The scooter also folds down into a compact package.*

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### Introduction

Congratulations on your purchase of the Feather 27X Scooter.

It is important that you read through this manual entirely before operating your chair. You will find instructions and recommendations for easy operation of the Feather Mobility Power Scooter.

### Disclaimer

JYD Imports, HOVER, 1800 Wheelchair, or Feather Mobility, its affiliates, and partners, cannot be held responsible for personal injury or property damage that results from the unsafe or improper operation or maintenance of the Feather 27X Mobility Scooter and/or other JYD Imports, HOVER, or 1800 Wheelchair products purchased.

From time to time, our product development and engineering team will make design updates for this product. We reserve the right to make such changes when deemed necessary to improve on the design or to add value. As a result, there could be minor differences between the product that you have purchased and the photos, illustrations, and instructions in this manual.



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## Product Specifications

Weight Capacity	240 lbs
Product Weight (without battery)	27 lbs
Product Weight (with battery)	29 lbs
Seat Width	17"
Seat Depth	12"
Seat-to-Floor Height	19"
Seat Back Height	10"
Overall Width	17.5"
Overall Depth	32"
Overall Height	29"
Folded Width	16"
Folded Depth	24.5"
Folded Height	12"
Front Wheel Size	6"
Rear Wheel Size	6"
Upholstery Type	Nylon
Turning Radius	51"
Ground Clearance	3"
Maximum Climbing Angle	6°
Wheel Material	Solid, Polyurethane, No Fill
Wheel Type	Non-Pneumatic, Flat-Free Tires
Brakes	Electromagnetic
Battery Type	25.2V 6.6Ah
Battery Weight	2 lbs

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## Safety, Maintenance, Operation & Setup

### General Guidelines

MANDATORY! Do not operate your new scooter for the first time without completely reading and understanding this owner's manual.

Your scooter is a state-of-the-art, life-enhancement device designed to increase mobility. The manufacturer provides an extensive variety of products to best fit the individual needs of the wheelchair user. Please be aware that the final selection and purchasing decision regarding the type of scooter to be used is the responsibility of the scooter user, who is capable of making such a decision, and his or her healthcare professional (i.e., a medical doctor, physical therapist, etc)

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the wheelchair to the user and has assisted the prescribing healthcare professional and/or the authorized provider in the instruction process for the use of the product. There are certain situations, including some medical conditions, where the wheelchair user will need to practice operating the wheelchair in the presence of a trained attendant. A trained attendant can be defined as a family member or healthcare professional specially trained in assisting a wheelchair user in various daily living activities.

As you begin using your scooter during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you maneuver through doorways, on and off of elevators, up and down ramps, and over moderate terrain.

Below are some precautions, tips, and other safety considerations that will help you become accustomed to operating your wheelchair safely.

### Safety

- This Feather product arrives in one size, ready for use.
- Make sure to take your time to learn how this Feather product works before you begin using.
- Always be aware of your surroundings when operating this Feather product.
- Take it easy. If you're not sure this Feather product will surpass an obstacle, find another way.
- The Feather product is designed for a single user. More than one user may result in personal injury to you and others.

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1. Always use a seat belt and keep your feet on the scooter at all time.
2. Never operate the scooter while you are under the influence of alcohol.
3. Never use mobile phones or radio transmitters such as walkie-talkies.
4. Make sure that there are no obstacles behind you while reserving your scooter.
5. Do not ride your scooter in traffic.
6. Do not make a sharp turn or a sudden stop while riding your scooter.
7. Do not attempt to climb kerbs greater than limitation shown in the specification.
8. Do not remove your hands and legs from the scooter when driving.
9. Do not ride your scooter during snow in order to avoid accidents.
10. Do not allow unsupervised children to play near this equipment while the batteries are.

Please carefully read this owner's manual before using the scooter. Improper use of the scooter could result in harm, injury or traffic accidents. Therefore, for maximum pleasure while using the scooter please read this owner's manual.

- ◆ This owner's manual includes operation instructions for every aspect of the scooter, assembly instructions, as well as instructions for how to deal with possible accidents.
- ◆ The symbols used in this manual are explained below:  
Read especially the notes marked with these symbols:



**WARNING!** Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



**MANDATORY!** These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



**PROHIBITED!** These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

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- ◆ This manual includes a copy of repair and maintenance record chart and warranty information. Please keep it in a safe place or in the scooter.
- ◆ If someone else uses the scooter, please make sure that you provide them with the instruction manual for his or her consideration.
- ◆ As designs change some illustrations and pictures in the manual may not correspond to the scooter that you purchased. We reserve the right to make design modifications.

Our scooters have been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility requirements.



### **Suggestion**

To maximize your batteries efficiency and service life, please fully recharge your new battery before its first-time use.

## ■ PRE-RIDE SAFETY CHECK

Get to know the feel of your Scooter and its capabilities. We recommend that you perform a safety check before each use to make sure your Scooter operates smoothly and safely.

### ■ Perform the following inspections prior to using your Scooter:

- ◆ Check the condition of the tires. Make sure they are not damaged or excessively worn.
- ◆ Check all electrical connections. Make sure they are tight and not corroded.
- ◆ Check the battery condition meter to ensure the batteries are fully charged.

If you discover a problem, contact your authorized Provider for assistance. Please refer to the Contact Information insert in your Owner's Package.

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## GENERAL



**MANDATORY!** Do not operate your new Scooter for the first time without completely reading and understanding this owner's manual and the Consumer Safety Guide.

Your Scooter is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive variety of products to best fit the individual needs of the Scooter user. Please be aware that the final selection and purchasing decision regarding the type of Scooter to be used is the responsibility of the Scooter user who is capable of making such a decision and his/her healthcare professional (i.e., medical doctor, physical therapist, etc.).

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the Scooter to the user and has assisted the prescribing healthcare professional and/or the authorized Provider in the instruction process for the use of the product.

There are certain situations, including some medical conditions, where the Scooter user will need to practice operating the Scooter in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a Scooter user in various daily living activities.

As you begin using your Scooter during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you maneuver through doorways, on and off elevators, up and down ramps, and over moderate terrain.

Additional general information can be found on the supplemental information sheets and booklets included in your Owner's Package. Please fully read and review the information, and keep it readily available for future reference.

Below are some precautions, tips, and other safety considerations that will help you become accustomed to operating the Scooter safely.

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## WHILE DRIVING

■ **Please carry out daily inspections.** Refer to the section entitled “DAILY CHECKING”

■ **Do not move your body out of the scooter while moving**

- ◆ Such action may cause you to lose balance and risk injury from falling.
- ◆ Pay attention that your clothes do not tangle in the wheels.

■ **Do not use your scooter under the circumstances below.**

- ◆ Do not on the roads with heavy traffic or roads that are muddy, gravelly, bumpy, narrow, snowed over, icy, or canal towpaths not guarded by any fence or hedge. Keep away from places where you might get the wheels stuck.
- ◆ Do not drive at night or when it is raining, snowing, misty, or windy.
- ◆ Do not drive your scooter in an “S” pattern or make a sharp turn.
- ◆ Do not take the scooter onto escalators.
- ◆ **UNDER NO CIRCUMSTANCES SHOULD THE SCOOTER BE USED AS A SEAT IN A MOTOR VEHICLE (E.G. CARS, BUSES, TRAINS, ETC).**

■ **About Mobile Phones and other electrical equipment**

- ◆ Do not use a mobile phone or other wireless communication devices while driving.
- ◆ Always switch off the scooter and remove the ignition key before using a mobile phone.
- ◆ Do not charge the mobile phone or any other electrical devices from your scooter’s battery.

■ **Automatic Power Shut Down**

In order to avoid accidental battery run down, Turn off the power without using it.  
Should this occur, simply on and it will be ready to use once again.

■ **Ramps, inclines and drops**

- ◆ Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “7. SPECIFICATION“
- ◆ Always use a low-speed setting when ascending or descending a gradient.
- ◆ Do not drive on roads with large drops or potholes.
- ◆ Please slow down when driving on roads with inclines.
- ◆ Do not make sudden turns when driving on gravel roads or ramps.
- ◆ Always lean forward when climbing a steep gradient.

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## ■ Starting and Driving

1. Make sure the seat is installed properly.
2. Make sure the tiller has been secured properly.
3. Check battery indicator to see whether there is enough power for your journey. If you have any doubt about the remaining power, please recharge the batteries before departure.
4. Set the speed dial to a position you feel safe and comfortable with.
5. Check the forward speed works correctly.
6. Make sure the battery works correctly.
7. Make sure it is safe around you before you drive on the street.

### WARNING!



- To protect your safety, the power will be consumed and electromagnetic brake system will activate while you are driving down a steep gradient. This will limit the speed to a safe level. Turn the power on again to re-start your scooter.
- Unfold the anti-tip wheels to correct position before riding the scooter. The two anti-tip wheels should be parallel.

### Maximum User Weight Limit

- Refer to section entitled “MAX. USER WEIGHT” in “ SPECIFICATION “. Overloading past the weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty does not cover this type of damage.

### Attention



1. Do not turn the power switch to OFF while driving as this will lead to an emergency stop and possible risk of accident and injury.
2. Do not set to the highest speeds while driving indoors.
3. Do not adjust the direction button while driving, a sudden change in speed may cause danger to you and others, and may cause damage to your scooter.
4. Do not place magnetic devices near the area of the operation handle as this could affect the safe operation of your scooter.
5. Do be careful while driving in heavy traffic or crowded areas.
6. While reversing the scooter, beware of people or objects behind you.

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## ■ Stopping

1. Release the speed control lever completely. The scooter will naturally brake and stop.
2. Turn the power switch to (OFF). Then pull out the key.

## ■ Driving on the pavement

- ◆ Ensure the 6.0 km/h limit switch is set to the slowest setting when using the scooter on the pavement.
- ◆ This will limit the scooter to a maximum speed of 6.0 km/h. It is an offence to travel at more than 6.0 km/h on the pavement.
- ◆ The limit switch can be set to the fastest setting for use on the road or on private ground.

## ■ Motor Vehicle Transport

It's recommend that you do not remain seated in your scooter while traveling in a motor vehicle. The scooter should be stowed in the trunk of a car or in the back of a truck or van with the batteries removed and properly secured. In addition, all fold scooter parts, including, seat, and support rod should be removed and/or properly secured during motor vehicle transport.

**WARNING! Do not sit on your scooter while it is in a moving vehicle.**



**WARNING! Always be sure your scooter and its batteries are properly secured when it is being transported. Batteries should be secured in an upright position and protective bandage should be installed on the battery terminals. Batteries should not be transported with any flammable or combustible items.**

## ■ Lift/Elevation Products

If you will be transporting your scooter during travel, you may find it necessary to use a vehicle-mounted lift system or elevation product to aid in transportation. It's recommends that you closely review the warnings, instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.



**WARNING! Always turn off the power to the unit when you are being transferred via an elevation product. Failure to do so may result in accidental throttle control lever contact, resulting in unintended movement and personal injury or product damage.**

## ■ Stairs and Escalators

Scooters are not designed to travel up or down stairs or escalators. Always use an elevator.



**WARNING! DO not use your scooter to negotiate steps or escalators.**

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## **EMI**

This portion of the content will provide the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility or exposure or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.



### **Caution:**

**It is very important that you read this information regarding the possible effects of electromagnetic interference on your electric scooter.**

## **■ ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES**

Powered scooter may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered scooter's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered scooter can resist EMI up to a certain intensity. This is called its "immunity level". The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered scooter model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers ( transmitter-receivers with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, " walkie talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices.
2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the Scooter,
3. Long-range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios;

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## PARTS DESCRIPTION

- |                         |                |                |                       |
|-------------------------|----------------|----------------|-----------------------|
| 1. Control Panel        | 2. Speed Lever | 3. Slide Lever | 4. Tiller Swivel Knob |
| 5. Charger Socket Cover | 6. Footrest    | 7. Seat        | 8. Anti-tip Wheel     |



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## Preparing Power Scooter for Use

- 1.) Release pole from back rest adapter
- 2.) Release ORANGE tiller knob
- 3.) Extend footrest base
- 4.) Lift backrest and seat until orange levers below seat click into place
- 5.) Release the slide lever and adjust the pole to desired height



## Folding Power Scooter for Transport

- 1.) Lift orange levers under seat and collapse
- 2.) Lift footrest and push front of scooter towards the seat
- 3.) Pull the tiller knob and collapse on top of scooter
- 4.) Release slide lever and push scooter handles towards the rear wheels and secure slide lever
- 5.) Push pole into back rest adapter



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- 1.) Battery Level Indicator (Green light)
- 2.) Speed Lever Indicator (Blue light)
- 3.) Speed Control Button



**PROHIBITED!** Do not expose the tiller console to moisture. In the event that the tiller console does become exposed to moisture, do not attempt to operate your power scooter until the tiller console has dried thoroughly.

## ■ Power switch

Insert or pull out the key to power ON or OFF

- (ON) : Power is turned on
- (OFF) : Power is turned off



## WARNING!

If the key is moved to the “off” position while your Scooter is in motion, the electronic brakes will engage and your scooter will come to an abrupt stop!

## INSPECTION

- ◆ Clean the scooter with a damp cloth and dust down approximately once a week to preserve the appearance of the scooter.
- ◆ Check for signs of wear and tear on the tires and the upholstery on a regular basis.
- ◆ For optimum performance and to increase the lifespan of your scooter, it is recommended that you have your scooter serviced once a year.

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## ■ Forward, Reverse, and Braking

- ◆ Push the speed lever with right hand and the scooter will move forward.
- ◆ Push the speed lever with left hand and the scooter will move backward.
- ◆ Release the speed control lever freely while either going forward or reverse, and the electromagnetic brake in the motor will be activated, and the scooter will stop.

## ■ Battery Indicator

- ◆ When the power switch is turned on, the battery indicator will light up with color squares showing the remaining battery power. Lightening with five squares means full power; lightening with one square means off power.
- ◆ The remaining power indicated by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, climbing will consume the power more quickly.



The remaining power suggested by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, climbing will consume the power more quickly.

If the power down timer feature takes effect, perform the following steps to resume normal operation.

1. Remove the key from the key switch.
2. Reinsert the key and power up your Scooter.

## I CHARGING THE BATTERY

Follow the procedure below step by step:

1. Turn the power switch to (OFF)
2. Connect the charger's power cord into the power outlet.
3. Open the charging socket cap on the tiller. Then connect the charger's round plug to the charging socket.
4. Turn on the switch on the charger.
5. Both the charger's red and orange LEDs will be lit when beginning charging. The charging duration is about 6 hours. To ensure optimum performance a 10-hour charge is recommended. But we do not recommend a charging more than 24 consecutive hours.
6. Both the charger's LEDs will be lit during the charging process. The orange LED will turn green when charging is complete.
7. Turn off the charger; disconnect the power cord and the round plug from charger socket on the scooter.



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## **BATTERY**

- ◆ Do not expose the battery to temperatures below 10° C or above 25° C when charging or storing the scooter. Under the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- ◆ These batteries are maintenance free and there is no need to refill with water.
- ◆ You are required to recharge the batteries on a regular basis. Even if the scooter is stood idle, you should charge the batteries at least once a week.
- ◆ The batteries carry a six-month manufacturer's warranty. This warranty only covers issues relating to manufacturing faults, and not faults relating to failure to recharge the batteries as instructed above.

### **📌 Suggestion – How to maximize your batteries efficiency and service life**

1. Fully recharge your new battery before its first-time use.
2. Be sure to charge the battery fully every time. The battery life will be seriously shortened or decayed if the battery is repeatedly used without being fully charged.
3. Always complete the charging until the orange LED light turns green. NEVER stop charging before it is complete.
4. Keep your batteries fully charged whenever possible.
5. If you do not use your scooter for a long time, it should be charged at least every week to keep the battery in a fully usable condition.
6. The ambient temperature will affect charging time. Charging time will be longer in the winter.
7. After charging, do not leave the charger socket plugged in to the scooter, as this will cause a power drain on the scooter and temporarily reduce its range.

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**PROHIBITED!** Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



**PROHIBITED!** Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



**PROHIBITED!** Do not allow unsupervised children to play near the Scooter while the batteries are charging. We recommend that you do not charge the batteries while the Scooter is occupied.



**MANDATORY!** Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.



**WARNING!** Explosive gases may be generated while charging the batteries. Keep the Scooter and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.

**WARNING!** You must recharge your Scooter's batteries with the supplied off-board charger. Do not use an automotive-type battery charger.

**WARNING!** Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized Provider if damage is found.



**WARNING!** Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized Provider.

**WARNING!** If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.

**WARNING!** Be aware that the battery charger case may become hot during charging. Avoid skin contact and do not place on surfaces that may be affected by heat.



**WARNING!** If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

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## ■ Cleaning the battery

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quickly. The batteries supplied with the WU'S scooter are sealed and as such are maintenance free with no risk of battery leakage. Please follow the steps below to clean the battery.

1. Turn the scooter power switch to "OFF".
2. Remove the seat and dust cover.
3. Use a clean cloth to wipe off the soiled area.
4. Clean the battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.



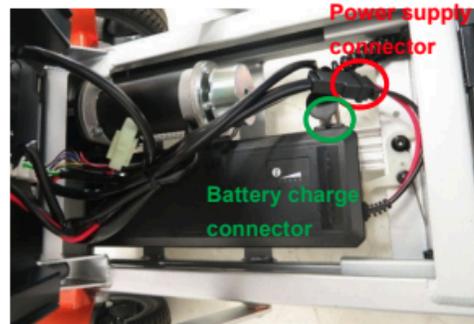
1. Be sure the battery wires are connected to their right battery terminal.
2. If necessary, ask for help from your dealer for advice about maintaining and replacing the battery.

## ▣ Suggestions

1. Make sure the terminals are installed properly and put the cover back on.
2. Do not use the battery to charge telecom equipment or other items.
3. Battery efficiency will vary with outside conditions; the driving distances will be shorter in the winter. If the scooter is not used for a long time, please charge the battery at least every week.
4. Remove the power connector for more than 1 month, and the charger can not be dropped
5. For air transportation the battery should be disconnected before transporting.
6. Do not disassemble arbitrarily (very dangerous).

## ■ To disconnect the battery:

1. Turn the knob and open the cover.
2. Once the cover is removed, unplug the red connector shown below.



3. Reinstall the battery compartment cover to prevent dust and moisture getting in to the compartment.

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## Notice to Caretakers

Make sure that you pay careful attention to all warnings and follow all instructions in each section of this manual. (Be aware that warnings that apply to the rider will also apply to you).

It is important that you pay close attention to all warnings in this section. If you fail to do so, you may fall, tip over or lose control resulting in severe injury to you or others.

## Modifications

The manufacturer has designed and engineered your scooter to provide maximum mobility and utility. A wide range of accessories items are available from your authorized provider to further customize your scooter and to better suit your needs and preferences. However, you should never modify, add, remove, or disable any feature, part, or function of your scooter.

**WARNING!** Do not modify your scooter in any way not authorized by the manufacturer. Do not use accessories if they have not been tested or approved for your specific scooter.

## Pre-Ride Safety Check

Get to know the feel of your scooter and its capabilities. The manufacturer recommends that you perform a safety check before each use to make sure your scooter operates smoothly and safely. Before operating your scooter you should be trained in the safe use of this scooter by your authorized Provider.

Perform the following inspections prior to using your scooter:

- Check all wheels are in full operating condition and free from dings, erosions, and are making full contact with the ground.
- Check all hand brakes.

## Weight Limit

- Never exceed the product weight capacity of 240 lbs for the rider plus any additional items.
- Exceeding the product weight limit is likely to damage the seat, frame, or fasteners and may cause severe injury to you or others.
- Exceeding the weight limit will void the warranty of this product.

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MANDATORY! Stay within the specified weight capacity of your scooter. Exceeding the product's weight capacity will void your warranty. The manufacturer will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.

WARNING! Do not carry passengers in your scooter. Carrying passengers on your scooter is exceedingly dangerous and may affect the center of gravity, resulting in a tip or a fall.

WARNING! Do not incline forward when operating, especially on stairs and uneven roads.

## **Tie Down System**

This Feather product is not approved to be used with any tie down system, and is not authorized to be used to transport a seated user in a motor vehicle. Your scooter was designed to be folded and stored in a secure location, such as the trunk of a car, during motor vehicle transport. In addition, all removable scooter parts should be removed and properly secured during movement.

- Never sit in this Feather product while in a moving vehicle. In an accident or sudden stop you may be forced out of the wheelchair from the impact.
- Never transport this Feather product in the front seat of a vehicle. It may interfere with driving.
- Always secure this Feather product, with no one sitting in it, so that it cannot roll or shift.

WARNING! Do not sit on your scooter while it is in a moving vehicle.

## **Cornering Information**

While your scooter is equipped with front caster wheels, excessively high cornering speeds can still create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to: cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt directional changes. If you feel that you may tip over in a corner, reduce your speed and steering angle (ie, lessen the sharpness of the turn) to prevent your scooter from tipping over.

WARNING! When cornering sharply, reduce your speed and maintain a stable center of gravity. This greatly reduces the possibility of a tip or fall.

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## Incline Information

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180 degree turns) that require you to have good cornering skills on your wheelchair.

- Proceed with extreme caution as you approach the downgrade of a ramp or other incline.
- Take wide swings with your wheelchair's front wheels around any tight corners. If you do that, the wheelchair's rear wheels will follow a wide arc, not cut the corner short, and not bump into or get hung up on any railing corners.
- When operating down a ramp, proceed slowly to ensure a safely controlled descent.
- Avoid sudden stops and starts.

When climbing an incline, try to keep your wheelchair moving. If you must stop, start up again slowly and accelerate cautiously. When operating down an incline, proceed slowly. If your wheelchair starts to move down the incline faster than you anticipated or desired, bring it to a complete stop using both hands, then proceed slowly to ensure a safely controlled descent.

WARNING! When on any sort of an incline or decline, never allow the scooter to roll freely while seated on it or standing next to it.

WARNING! When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your scooter straight up the incline. This greatly reduces the possibility of a tip or a fall. Always exercise extreme caution when negotiating an incline.

WARNING! You should not travel up or down a potentially hazardous incline (ie areas covered with snow, ice, cut grass, or wet leaves)

WARNING! Never travel down an incline backward. Doing so may cause the wheelchair to tip over. Always exercise extreme caution when negotiating an incline.

WARNING! If your scooter is equipped with an optional carry bag mounted to the seat back, do not overload the bag or exceed the maximum load rating of the bag. Doing so could cause instability in your scooter when negotiating inclines, causing it to tip.

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## **Inclement Weather Precautions**

Exposure of your scooter to inclement weather conditions should be avoided whenever possible. If while operating the scooter, you are caught in sudden rain, snow, severe cold, or heat, proceed to shelter at the earliest opportunity. Thoroughly dry your scooter and inspect for damage to all components before storing or resuming use of this product.

WARNING! Operating in rain, snow, salt, mist or spray conditions, and on icy or slippery surfaces can have an adverse affect on your scooter. Maintain and store your scooter in a dry and clean condition.

WARNING! Prolonged exposure to hot or cold conditions may affect the temperature of upholstered and non-upholstered items on the scooter, possibly resulting in skin irritation. Exercise caution when using the scooter in extremely hot or cold conditions or when exposing your scooter to direct sunlight for prolonged periods of time.

WARNING! Scooters are not designed to travel up or down stairs or escalators. Always use an elevator. Never use your wheelchair to negotiate steps or escalators.

WARNING! Never reach, lean, or bend while seated in your scooter. It is important to maintain a stable center of gravity and keep the scooter from tipping over. Never reach down between your knees or over the back of the seat as these movements can change your center of gravity and the weight distribution of the scooter. This may cause your scooter to tip over.

WARNING! Consult your physician if you are taking prescribed or over-the-counter medication or if you have certain physical limitations. Some medications and limitations may impair your ability to operate your scooter in a safe manner.

WARNING! Do not operate your scooter while you are under the influence of alcohol, as this may impair your ability to operate your scooter in a safe manner.

WARNING! The manufacturer strongly recommends that you do not smoke cigarettes while seated in your scooter, although your scooter has passed the necessary testing requirements for cigarette smoking, it is unsafe to smoke while operating your wheelchair.

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## Public Streets and Roadways

WARNING! You should not operate your scooter on public streets or roadways. Be aware that it may be difficult for traffic to see you when you are seated on your scooter. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic and then proceed with caution.

## Service Checks

WARNING! Never service or repair the scooter when the seat is occupied or in use.

It is important to perform regular safety checks in order to maintain the life and quality of the scooter and ensure your product is functioning properly.

- Check for loose or missing screws, nuts, and bolts. Replace or tighten them as necessary.
- Check for flat spots on solid tires. Flat spots could adversely affect stability.
- Check all manual wheel locks and brakes. Make sure they are working properly.
- Check the caster forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced.

Keep your scooter clean and free of foreign material, such as mud, dirt, hair, food, and drink.

## Positioning Belts

Your authorized provider, physical therapist, or other healthcare professional is responsible for determining your requirement for a positioning seat belt, if necessary to operate your scooter safely. No positioning belt or seat belt should ever be used as a restraining device in a motor vehicle. All users should be properly belted into seats approved by the vehicle manufacturer with the scooter properly stowed for vehicle transport.

WARNING! If you require a positioning belt to safely operate your scooter, make sure it is fastened securely in order to reduce the possibility of a fall from the scooter. The positioning belt is not designed for use as a seat belt in a motor vehicle. Nor is your scooter suitable for use as a seat in any vehicle.

The seat back and overlay pieces are made with a durable synthetic nylon mesh material and are fully machine washable. They must be air dried to avoid over drying in a commercial dryer.

Additional seat overlays in multiple color choices are available to purchase online at, <https://feathermobility.com/>

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## Outdoor Driving Surfaces

Your scooter is designed to provide optimum stability under normal driving conditions, which are dry, level surfaces composed of concrete, blacktop, or asphalt. However, the manufacturer recognizes that there will be times when you will encounter other surface types. For this reason, your wheelchair is designed to perform admirably on packed soil, grass, and gravel. Feel free to use your scooter safely on flat lawns and in park areas.

- Avoid driving on uneven terrain and/or soft surfaces.
- Avoid tall grass that can entangle the wheel spokes.
- Avoid loosely packed gravel and sand.
- Avoid uneven surfaces.
- Do not use your scooter in any water mass, fresh water, or saltwater.
- Do not use your scooter at the edge of any stream, lake, ocean, or body of water.
- If you feel unsure about a driving surface, avoid that surface.

## Warranty Information

The Feather 27X Mobility Scooter comes with a limited product warranty and the following coverages:

- Electronics: The manufacturer covers the electronic components of its mobility power scooter under normal use for a limited warranty period of six months. The manufacturer will at its sole discretion, repair or replace, any warrantable electronic parts within the warranty period.
- Batteries: The manufacturer will at its sole discretion, repair or replace, any batteries for a period up to six months from date of purchase.

The warranties herein specified shall not apply if the failure of any component of this product to satisfy such warranty is due to accident, neglect, misuse, improper transportation arranged by the purchaser or its agent, or causes other than ordinary use including operation contrary to the manufacturer's operating instructions or if any person other than the manufacturer's authorized personnel shall modify, adjust, or repair such product or perform any related service on it. It must be understood that the purchaser assumes full responsibility for the overall safe operation in the environment for which the product is intended to function.

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## Warranty Exclusions

The manufacturer will not be responsible for,

- Repairs or modifications made to any part or section of the scooter product without specific prior written consent from the manufacturer.
- Circumstances beyond the control of the manufacturer.
- And fees associated with or caused by service, labor, service calls, shipping, or other charges incurred for repair of the product unless specifically authorized in advance by the manufacturer.
- Any damage caused by: abuse, misuse, accident, or negligence of the scooter product; improper operation, maintenance, or storage of the scooter product; or any commercial use of the power scooter product.

## Official Feather Parts

The hardware and parts of your Feather product are specially designed, high-strength items. Replacing any hardware or wheelchair components with non-approved parts may result in faulty operation of your Feather product and may cause harm to the end user. Using non-official brand parts or making unauthorized changes to a Feather product will void the product warranty.

*Thank you for your purchase!!*



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See the complete line at [FeatherMobility.com](https://feathermobility.com)

**Feather** – the World's Lightest Wheelchairs and Scooters

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