

3-wheels Scooter

USER MANUAL



Please fully read this manual carefully before using!

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Important: Change or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Safety Manual:

Intended Use

Your scooter is a recreational scooter and is to be used for improving mobility in your daily activities such as walking. It is not a medical scooter or medical and does not and is not intended to provide medical benefits, medical assistance, medical therapy, or treat or alleviate any medical condition or disability.

Quick-Start Warnings

The below warnings and instructions caution against some activities. Reviewing this list is not a substitute for reading the entire Manual. Use common sense when operating your scooter.

- Do not disassemble your scooter on your own.
- Avoid touching hot parts of your scooter during or after operation.
- Avoid **touching** hot parts of your scooter that may have become hot from exposure to sunlight.
- Do not touch any chemicals in the scooter.
- Keep your hands and other body parts away from moving parts of the scooter.
- Do not operate the scooter with any loose clothing or dangling which wires which could become trapped in the wheels or other moving components of the scooter.
- Do not use any battery which is not approved by us for use with your scooter.
- Do not allow children to play on the scooter or use it without supervision.³
- Single-person scooters should only be used by one person at a time.
- Do not operate the scooter while under the influence of alcohol, drugs, or other medications which may impair your

ability to operate a vehicle.

- Do not operate the scooter while using a mobile phone or other mobile device.
- Do not operate your scooter if it is not functioning properly.
- Never try to operate your scooter beyond the its limitations as described in the manual.

Size and Weight Limits

Your scooter was designed to accommodate users up to a specified size and weight. As each scooter is designed and rated differently, ensure you check your particular scooter model's limits. Periodically check your weight against your scooter's limits, as your weight may fluctuate over time. Ensure other users of your scooter are within the weight limits. Operation of the scooter by a user over the weight limit can damage the scooter and can cause hazardous situations, including increased braking distances and times, decreased steering responsiveness, tip-overs, and other dangers which may cause injury. Further, modifications which increase the riding height of the scooter, which raise the user's riding height on the scooter, or which otherwise change the center of gravity of the scooter can damage the scooter and

cause the hazardous situations identified above. We are not responsible for damage to the scooter or personal injury caused by exceeding weight limitations or modifying the center of gravity of your scooter. Do not adjust your seat while the scooter is in motion or operating.

General Operation – Safety Belt⁴

If your scooter is equipped with a safety belt, use it all times when seated in the scooter. Do not operate your scooter without wearing the safety belt. Have the belt replaced by an authorized repair technician if the safety belt becomes frayed, cut, or shows other signs of wear or damage.

General Operation - Mirrors

If your scooter is equipped with mirrors, orient them so that you can see behind you. Orient the mirrors while sitting on the scooter but while the scooter is not moving and is not in operation. Never attempt to adjust the mirrors while operating the scooter. Proper orientation of the mirrors should allow you to see behind you and should minimize blind spots.

General Operation – Lights and Signals

If your scooter is equipped with headlights and turn signals, use them. Using headlights at night, and even at day, increases your visibility to other vehicles. Using turn signals provides warning to vehicle and pedestrian traffic near you.

General Operation – Driving Outdoors

Your scooter is designed to be driven on clean, even, dry surfaces. We do not recommend you store your scooter outdoors. Your scooter is susceptible to damage to electronic, mechanical, or other components if exposed to water. If you are caught outside during inclement weather, seek shelter or ask someone for assistance.

Always ensure that the power is switched off when getting on or off the scooter. Never attempt to mount or dismount the scooter if it is operational or moving. Do not switch the power off when the scooter is still moving forward or in reverse. Always check that the variable speed switch is set to the desired speed setting. Always check that the
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desired direction of forward or reverse travel is selected when ready to drive.

General Operation – Public Roads

Unless specifically permitted or authorized by the state, do not drive your scooter on public roads. If you need to drive along a public road, use the sidewalk adjoining the road. Always use care when driving near to or around public roads, as you may be less visible to motor vehicles when riding the scooter because of your smaller relative size and slower relative speed. Always be aware of state and local rules of

traffic, and take those rules into account when operating your scooter; it is your responsibility to know those rules, obey them, and understand how other traffic will operate in accordance with such rules. We recommend that you gain your first experiences with your scooter well away from public roads, so that you can learn and understand how the scooter operates and handles in a comfortable and quiet environment.

General Operation – Alternate Surfaces

Do not drive your scooter onto stairs or escalators; serious injury will result. Do not attempt to drive your scooter onto stairs or escalators. Most elevators are safe for use with the scooter. When confronted with stairs or escalators, navigate to the closest elevator instead. Conduct a visual inspection and assess the quality and condition of the elevator before using it. Use care; some elevators have awkward entrance angles that can make ingress and egress difficult.

General Operation – Curbs

Curbs generally are formed in two manners: abrupt, vertical curbs and gradual, smooth curbs. Your scooter cannot drive over or off of an abrupt, vertical curb. Do not attempt to do so, as this will cause 6 serious damage to your scooter and likely injury to yourself. Do not drive over a curb or object exceeding 4 inches in height. Your scooter can drive over most gradual, smooth curbs. Approach such curbs head on, so that the scooter is oriented perpendicular to the curb. Consistently apply speed over the curb until the rear wheels of the scooter have moved just past the curb. Do not approach the curb at an oblique angle; doing so can increase the risk that your scooter tips over. Likewise, when moving down a curb, approach the curb perpendicular to it and not at an oblique angle. Avoid stopping completely when going over small objects, curbs, or other obstacles and obstructions.

General Operation – Incline Control

Your scooter can handle a wide range of inclines and declines. The scooter is safe for operation on most handicap-accessible ramps. However, do not use the scooter on inclines of a degree which makes operation of the scooter difficult; if the scooter does not readily climb the incline, move off of the incline and/or ask for assistance. Likewise, do not use the scooter on declines of a degree which makes operation of the scooter difficult; if the scooter moves too quickly on an incline, fully apply the brakes, move off of the decline, and/or ask for assistance. We recommend that you only use ramps which have a roughened surface to prevent slipping. Never drive in a transverse direction across an incline or turn sharply on an incline. Never drive in a reverse direction down an incline. Because the capability of your scooter to climb an incline or descend a decline depends on a number of factors, such as the scooter's specifications, your size and weight, the quality of the surface, and your personal setup of the scooter, We do not guarantee the scooter's safety on a specific angle of incline or decline. However, we do not recommend you use your scooter on inclines or declines greater than 8 degrees, while making no guarantees of performance and safety on angles less than 8 degrees. 7

General Operation – Cornering

Always reduce your speed when making sharp turns. Always control your speed when cornering. As with any vehicle, maneuvering a corner at a high speed increases the risk of tipping the scooter. You should maneuver at a speed which is reasonable for the scooter, its specifications and conditions, your size and weight, your angle of approach, the type of turn, and the surface conditions.

General Operation – Influences

Do not operate the scooter while under the influence of alcohol, drugs, or other medications which may impair your ability to operate a vehicle. The scooter is heavy and can reach significant speeds, but even at low speeds it is dangerous to operate under the influence of

alcohol, drugs, or other medications which may alter or impair your coordination, reaction time, reflexes, and other capabilities.

General Operation – Ingress and Egress

Exercise care when moving onto your scooter. Ensure the scooter is braked on level ground and the switch is in the off position. Brace yourself against a sturdy piece of furniture, or use a cane or other walking assistive equipment. Use your upper body to assist your legs in lowering you onto the scooter seat. Move downwardly slowly. Apply and buckle the safety belt. Sit for a few minutes before operating the scooter. Also exercise care when moving off of your scooter. Ensure the scooter is braked on level ground and the switch is in the off position. Unbuckle the safety belt. Getting up quickly or the wrong way could lead to injury. Look around for a sturdy piece of furniture, or use a cane or other walking assistive equipment. Use your upper body to assist your legs in lifting you. Lift slowly and pause for a few moments if you feel unsteady. Stand for a few minutes before moving further. 8

Regular Maintenance

Always check your scooter for normal operation, loose parts, and defects before operating. If you find a problem, have it repaired before operating.

Keep your scooter clean and dry. Do not use a high-pressure water sprayer to clean the scooter. If you wash your scooter, use a damp sponge or cloth, and dry the scooter thoroughly before operating. Do not immerse any components in water.

Always check your scooter for wear or damage to the tires before operating.

Keep tires inflated to their recommended tire pressure at all times.

Regularly check tires for wear, cracks, nails, or other damage. Keep tires clean and replace them when damaged. Failure to maintain the

tires at the recommended tire pressure will cause premature wear, and failure to maintain the tires could lead to damage or personal injury.

Use Within a Motor Vehicle

Do not sit in or operate your scooter in a motor vehicle such as a train, bus, or large van. Stow or rack your scooter according to the motor vehicle's guidelines before entering or when entering the motor vehicle. Never sit in your scooter while it is on or in a motor vehicle which is operating or in motion.

Batteries

Do not use automotive batteries with your scooter. Always charge your scooter's batteries in a well-ventilated area. We recommend that you periodically charge your batteries, such as once a month, when your scooter is not in regular use. Ensure the switch is in the off position when the batteries are charged. Ensure that the power plug is inserted and plugged firmly into the battery during charging. Do not use an extension cord while charging the batteries. Do not use a battery which is cracked, leaking, or otherwise damaged. Do not use your scooter if the battery is cracked, leaking, or otherwise damaged. Keep tools and other metal elements away from the contact terminals of the batteries. Remove the batteries when transporting your scooter.

Modifications to the Scooter

Do not disassemble or modify your scooter on your own. Do not remove or disable any element or feature of your scooter. Do not modify the programmable controller governing the scooter's electric, electronic, and electro-mechanical operations. While there are a wide range of after-market products available to modify and alter scooters, some may make your scooter more dangerous to operate or may impair your ability to operate the scooter safely. We make no claim or

warranty as to the safety, effectiveness, and operability of any aftermarket product added to your scooter, or as to any modification you make or have made to your scooter, which are not performed by us or through vendors we approve. We are not responsible for damage to the scooter or personal injury caused by disassembly, modification, or other alteration of your scooter.

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Safety Points:

1. You must fully read and understand this manual before attempting to operate your scooter for the first time.
2. For yours and others safety, please be sure to comply with national and local road traffic laws and regulations.
3. This scooter is only designed for a single rider. Please do not attempt to operate with any other person or animal on the scooter.
4. Please do not attempt to go beyond the ratings of your scooter, and always attempt any obstacles at low speed.
5. When driving on uneven surfaces, please be sure to slow down. It is best to avoid all moisture (including rain and snow) as much as possible as it can cause damage or failure to the electronic components of your scooter.
6. Do not use other devices, medical or not, that connect to the scooter in any way as it can cause damage or personal injury.
7. When going downhill, reduce your speed as much as possible, and do not back down any ramps.
8. Only use the provided charger or a replacement charger purchased directly from us to prevent possible damage to your scooter and/or battery.

Product introduction:

Safety is our top priority. Please read the instructions carefully before using and operating your scooter for the first time.

This manual is only applicable to this scooter.

If you encounter any problems when using this scooter, please contact us directly for help.

We are not responsible for any property loss or personal injury caused by Improper operation.



Operation of Scooter:

1. Installing / adjust the Seat up/down

Use the seat post quick release by Pushing it down when installing or pulling it up while removing the seat. This will lock/unlock the seat from the seat frame. Always ensure the seat is fully locked Before operating the scooter



2. Folding the Scooter Stem



Tiller Controls:

Introduction to dashboard each key-press functions such as (figure C)

Power switch: responsible for switched on and off the power;

Horn button: press the horn sounded, loosen the silent;

Battery gauge: the battery residual capacity, and nine, the remaining three please recharge in time;

Speed knob: Clockwise to improve maximum speed and anti-clockwise decrease.

Handle operation function: control the scooter forward and backward.

(see figure C)



figure C





Gradient information

More and more buildings are being built on different slopes, some of which have even been turned over. Driving on the road requires you to be very careful and have good handling skills.

Drive carefully when approaching downhill or uphill roads;

To ensure safe driving, keep your downhill speed to a minimum;

The height is usually not around the corner, please try to avoid these rough places, so as not to bump or scratch the body next to the armrest;

When going uphill, please keep a constant speed as far as possible. If you must stop, restart gently when opening, and then accelerate slowly. If the downhill speed is faster than you expect, use the braking system to bring it to a safe stop, then slowly release the brake to make it a safe downhill.

You may encounter other slopes that are not suitable for cars but not suitable for walking. As shown in the figure below.

Warning! When going uphill, do not enter the "Z" or back up. Please drive in a straight line instead of walking. This will reduce the possibility of turning uphill.

Warning! You can't risk driving downhill, such as those road with snow, ice and wet.

Warning! On the hill, it is forbidden to adjust mobility scooter to manual mode.

The tests were done with the highest seats and the fastest speeds. Your scooter's ability to climb depends on your weight and the slope of the road.

Warning! The slope of the road shall not exceed the scope specified in this manual, otherwise it may cause personal and traffic accidents, the company shall not assume any responsibility.

Navigation/electromagnetic brake

Turning at high speed may lead to a rollover accident. Factors causing rollovers include turning speed, control handle height, road conditions, sudden changes in direction, etc. If you want to turn, please slow down to avoid rollovers.

Warning! When you suddenly turn around. Please slow down. When you are speeding, please don't make a sudden turn. This will avoid tipping over.

Dual rear Disc Brakes

The scooter adopts rear Disc braking.



Warning! If the Disc brakes does not stop, please turn off the power switch immediately! And contact the local dealer in time.

The use of the battery

1. Generally, the battery does not exceed 12 hours. It is recommended that the battery be used for 10-12 hours.
2. Under floating state (with green light), the battery will not be damaged even if it is charged for a long time.
3. Excessive discharge of lead-acid batteries will affect the service life of batteries. Batteries stored for a long time without use will lead to battery damage loss can also affect battery life.
4. Please avoid using "reverse" voltage drive (that is, the power supply is not in power state and the voltage is small after a period of time); The accumulative charging service time is more than 5km or so; If the battery is not used for a long time, it should be kept fully charged and recharged once a month.
5. There are professional departments for recycling used batteries. Users are not allowed to dispose of used batteries at will to avoid secondary pollution.
6. If the battery gives off odors, heats up, deforms or is used, stored or charged, and any abnormalities occur during transportation, the battery will be shut down and stopped.

The charging step

When you just buy a new scooter, please charge it by electricity. Please follow the following steps for the first charge:

1. Please turn off the scooter, don't use the power switch.

2. Firstly, plug the charger into the charging outlet of the output walker, and then plug into the ac outlet at the power supply side of the charger (the input voltage should be consistent with the mains).
3. Then turn on the indicator light of the charger. The indicator light is bright red, indicating that the charger is charging.
4. Charge for 10-12 hours, indicating that the battery is basically enough, and then the charger will automatically enter the floating state.
5. In the floating charging state (green light is on), the floating charging time should not be less than 2 hours. Please ensure that the floating charging time is within 2-4 hours for the first purchase.
6. After charging, unplug the ac power supply plug, then insert the charger output from the walking car, and cover the outlet cover.

such as (figure E)

scooter driving program operation

Dear customers, thank you very much for your careful reading and understanding of the structure and functions of the above scooter. Let us operate and drive your vehicle strictly according to the following procedures with a calm attitude:

(1) the power consumption is exhausted before charging for the first time, but it cannot be exhausted. Battery power will not be too full, but also will not be too little, everyone in use, according to the business estimate, estimate probably can run the distance, in order to avoid power or power. The battery level of the scooter has been shown in the last grid, consider not riding, ready to charge.

(2) check whether the electromagnetic brake lever is in the closed position (automatic brake check this position).

(3) check whether the rotation direction is flexible.

(4) after getting on the bus, adjust the seat position and the tiller angle according to the body's needs, and check whether the seat and the tiller angle are fixed firmly.

(5) please insert the panel power button, turn on the panel power, turn on the status indicator light, indicator light and electricity meter to show the remaining battery power, and make sure the battery can meet your travel needs.

(6) transfer the speed knob position (low speed), nearby slowly push the processing direction, according to your requirements can gradually turn the speed knob position, until the high speed, speed knob when please stop rotating motionless, now has reached the limit speed knob, will continue to damage the speed limiter, according to your media processing control range.

(7) please release the operating handle, the scooter will stop automatically when it needs to stop, and the electromagnetic braking system will lock the gear box and not walk.

Warning: if automatic parking is not possible, please turn off the power switch immediately and contact the dealer or after-sales service!

(8) when you do not use the scooter, please put it in a safe place, and pull out the key, other functions (if you need to go to the dashboard, please refer to the dashboard function manual).

Scooter repair, maintenance and storage

To make the scooter safe and comfortable, you must do the following things regularly:

I , maintenance,

1. Check whether the wheel fixing bolts and nuts are loose. The wheel fixing nuts shall be removed from the hubcap for inspection; Once every three months."

2. Before piling, check whether the phase column is fixed firmly and whether the steel bowl is loose;
3. Check whether the seat is loose or swing before driving;
4. Battery performance is affected by the ambient temperature. Generally speaking, when the temperature is lower than 0°C, battery storage capacity may decrease significantly.
5. Check whether the electromagnetic brake conforms to the braking requirements. When walking, check the slope of the parking lot;
6. Please check the tire wear, if the tire wear damaged steel wire should be replaced with a new tire.

II, maintenance,

1. Usually do a good job in cleaning the scooter, please do not wash the scooter directly with water, wipe it with a wet cloth;
2. To develop a good habit of driving, do not do more than the vehicle allowed when driving;
3. Motor carbon brush should be replaced for a total mileage of 5000 km.

III store

1. When the scooter is not in use, it should be stored in a dry and high place. Please avoid staying in a puddle or a seriously wet place;
2. When using scooters outdoors, please protect the scooters from rain;
3. When the scooter is not in use for a long time, please keep the battery fully charged after dust prevention, and keep charging once a week.

Common failures and troubleshooting methods

The controller contains a program for identifying problems and troubleshooting. When the diagnostician detects problems and errors, the buzzer on the controller will alarm.

Users can try the following methods to solve the forehead problem, if the problem still exists, please contact us or our dealer.

Buzzer number	Fault description	The controller response	commentary
1	Batteries to be recharged	The scooter can run, but it slows down.	To protect the battery from being damaged by excessive discharge, the controller will limit the battery when the battery output low voltage, can also increase the battery range, so that the user can charge the battery.
2	The battery voltage is too low	The controller failed and a warning was issued.	The battery is dead. If you drive for a few minutes. You can restore a little battery life. Short drives are allowed.
3	The battery voltage is too high	Mobility scooter could not start	Battery voltage exceeded limit. If the scooter is still charging at this time, unplug the charger. This can happen on a downhill slope, as the wheels tilt up the slope to drive the motor, turning it into a generator and charging the battery. But the charging voltage is too high, interfering with the controller. Please turn off the car instead of starting it. If necessary, slow down on descent. Charger failures can also occur.
4	Beyond the limit of flow time (15 seconds)	The scooter can't run due to problem of controller, then issue the warning	The slope is too steep, resulting in too much power. It is also possible that the motor short circuit or reduction gear stuck. The user must turn off the power and restart. If you cannot solve the problem, please contact the local dealer.
5	Electromagnetic brake lines	The scooter can't run due to problem of controller, then issue the warning	The electromagnetic braking circuit is short circuit or open circuit. Check whether the plug of the electromagnetic brake motor is firm. The coil of the electromagnetic brake may be wrong, check the connection is open or short circuit of the electromagnetic brake. The connection mode of magnetic brake

			<p>is open or short circuit. If necessary, check that the four terminal plugs of the motor/electromagnetic brake are properly connected. If a fault occurs, the gear shift lever is not in neutral, check the electromagnetic brake line for short circuit. If the boot fails, check whether the electromagnetic brake line is broken. If you cannot solve the problem, please contact the local dealer.</p>
6	The user key to open the power supply, shift lever is not neutral	The scooter can't run due to problem of controller, then issue the warning	<p>Please check whether the shift lever is in neutral and make sure to turn off the power switch again after shifting. The shift lever may need to be adjusted. Check the transport connection.</p>
7	The transmission problem	The scooter can't run due to problem of controller, then issue the warning	<p>Transmission or its connection has a problem, check whether the short circuit or open circuit Variable speed road may not have been the right setting. There is something wrong with the controller to detect the transmission to the voltage. If can't solve the problem, please contact the agent</p>
8	The motor voltage fault	Controller to make the car broke down, then issue the warning	<p>Motor or connection problem, check for short circuit or open circuit. There may be a malfunction inside the controller. Pass the motor from the controller through the socket, then turn on the power supply. If the controller is still flashing 8 times, the motor circuit inside the controller fails. If you can't solve the problem, please contact the local dealer.</p>
9	The controller internal fault	Controller to make the car broke down, then	<p>Please contact with the local dealer.</p>

		issue the warning	
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Warranty:

Three Year Limited Warranty

Three (3) years from the date of purchase on all structural frame components; Seat post and frame.

One Year Limited Warranty

One (1) Year from the date of purchase, if any part or electronic component of the scooter is found upon examination to be defective in material and/or workmanship, it will be replaced at our discretion.

The batteries are warranted by us for 6 months after the purchase of the Unit. Labor and service calls are NOT included: The purchaser is responsible for the delivery to the authorized repair facility. Satisfactory proof of purchase is always required for warranty service. Please contact the dealer/company from whom you purchased your product.

SHIPPING - DOMESTIC: Parts will be provided under warranty at no charge. All warranty items will be shipped via UPS Ground. Shipping fees will be at the expense of the purchaser.

SHIPPING - INTERNATIONAL: Parts will be provided under warranty at no charge, but shipping to any offshore and/or international location will be the responsibility of the purchaser. International and offshore end-users must contact us directly to initiate the warranty process.

ONE-YEAR WARRANTY EXCEPTIONS²⁸

MOTOR: In cases where there is an increase in the operational noise level, the warranty does not apply.

(An increase in operational noise level usually occurs due to excessive strain on the scooter).

SERVICE: Warranty service can be performed by us or by an authorized service facility. Do not return faulty parts to us without prior consent. A request for a Return Authorization is required prior to returning items. All transportation costs and shipping damage incurred while submitting units and/or parts for repair or replacement are the responsibility of the original purchaser.

WARRANTY EXCLUSIONS: This warranty is only given to the original purchaser of the Scooter.

This Warranty excludes: Battery Charger: The charger carries a 6-month warranty. Consumable items which may need replacing due to normal wear and tear (tires, tubes, belts, bulbs, upholstery and seating, throttle, brakes, motor brushes, fuses, plastic shrouds and footrest covers) Damaged caused by: battery fluid spillage or leakage, abuse, misuse, accident, negligence, improper operation, excessive loading, maintenance, storage, commercial use, or use other than normal.

Used other than for the purpose of the purchaser's mobility.

Repairs and/or modifications made to any part of the scooter without specific and prior consent from us.

Labor, service calls, shipping (including warranty claims), and other charges incurred for repair of the product are not approved by us unless authorized.

Batteries: Batteries carry a limited warranty which is subject to a stringent wear and tear clause. Any battery faults due to a defect in the original manufacture will normally become obvious within the first two months of use. Any gradual deterioration in performance after this period is normally associated with fair wear and tear, misuse or accidental damage and as such is not covered by the manufacturer's warranty. There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of the original purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy.

Liabilities for consequential damages under any and all warranties are excluded