

ScooterLG1



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THE SCOOTER THAT COMBINES ADVANCED TECHNOLOGY WITH STYLE.
CONVENIENT AND EASILY MANOEUVRABLE WITH A POWER FOLDING SWITCH.



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I. INTRODUCTION

Read and follow all instructions, warnings, and notes in this manual before attempting to operate your mobility scooter for the first time. If there is any information in this manual which you do not understand, or if you require additional assistance for assembly or operation, please contact your authorized local service provider.

Your safety when operating this product depends upon whether you thoroughly follow the instructions, cautions and warnings in this manual. Our company is not liable for any damages and/or injuries

resulting from individual unsafe operation or failure to follow the instructions, cautions and warnings in this manual.

The symbols below in this manual are used to identify warnings, notices and operation instructions. All of them are very important to your safety. It is strongly recommended to read and understand them completely and carefully.



WARNING!

Failure to heed the warnings in the manual may result in personal injury.



CAUTION!

Failure to heed the cautions in the manual may result in damages to the mobility scooter.

The mobility scooters combine advanced technology with modern style. The structure of quick assembly and disassembly is convenient for daily storage or placed in the trunk of your vehicle while travelling. We are certain that the design features and trouble-free operation will ensure your daily life is more convenient. This mobility scooter is suitable for the disabled, elderly and infirm who are mobility challenged but of normal intellectual capacity. Max. load is 75Kg. This is an indoor product, and suitable for driving indoors and outdoors on smooth ground (not for grassland, gravel, slopes of more than 9 degrees, main roads, or rainy conditions ...).

This is an N3458 model product. Here, the "N" indicates an indoor mobility scooter, "3" means the code of category of products, "4" indicates the number of wheels, "58" means the serial number of this model.

We appreciate your comments and suggestions about this manual, your evaluations on the safety and reliability of this product and also of the service of the authorized provider.

II. SPECIFICATION AND STRUCTURE

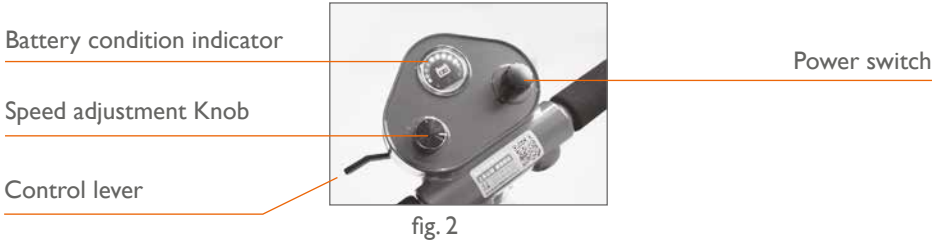
Your scooter consists mainly of the following parts: scooter body, seat unit, controller, motors, batteries, brake lever, drive wheels and anti-tip wheels (see fig. 1).



fig. 1

II. SPECIFICATION AND STRUCTURE

TILLER CONSOLE



SPECIFICATIONS

Table 1:

Overall size (LxWxH)	950x460x850mm
Folding size(LxWxH)	870x460x400mm
Seat height	350mm
Seat width	360mm
Backrest height	285mm
Scooter weight(with batteries)	23.8Kg
Max. speed	≤6km/h
Braking distance on the flat	≤1500mm
Min. turning radius	≤2000mm
Load capacity	100kg
Max. range	≥18km
Max. incline	9°
Motor	24V/150W
Lithium Battery	24V/10AH
Max. output current of controller	45A
Max. output current of charger	2A
Front wheels	Inflation-free tyre, O.D. of 200mm
Rear wheels	Inflation-free tyre, O.D. of 200mm

III. ASSEMBLY

OPENING THE PACKING BOX

Open the packing box, take off all protective liness, and then take the folded scooter out from the box. Twist off the lock, then push the unfold button to extend the scooter.

Press A and C first, then press B for folding, and D for unfolding. (fig. 3)

The scooter is successfully unfolded when you hear the “click”.

Press the fold button, and then lift the scooter slightly to fold it.



fig. 3



fig. 4

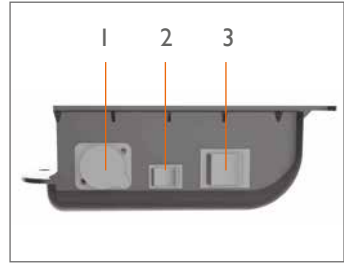


fig. 5

FRONT HEAD ADJUSTMENT

The fasteners on the side of the front of the scooter can be loosened up and down according to the user's height. (fig. 4)



WARNING!

Please pull out the key before adjusting the scooter. Never adjust it while driving.

FOLDING WITH THE POWER SWITCHES (SEE FIG.5)

1 - Standby power port

2 - Power switch (“I” means power on, “O” means power off protection, “II” means standby power). Press the power switch to “O” when the mobility scooter is in idle.

3 - Folding button (“I” means unfold, “II” means fold).

Note: The tiller console can be adjusted forward and backward. The height of the tiller console can also be adjusted by the fastener on the side of the tiller according to your needs.

III.ASSEMBLY

CHARGING YOUR BATTERIES

Charging is important for the batteries, and the off-board charger provided by us can simply and quickly charge the batteries of this mobility scooter.

Note: If the scooter can't be unfolded as the battery has been depleted, connect the charger to a standby power port and press the power switch to "II" (see 3 fig. 5), then the scooter can be unfolded.



WARNING! You must charge your scooter's battery with the supplied off-board battery charger. Do not use an automotive-type battery charger.

CHARGING YOUR BATTERIES WITH THE OFF-BOARD CHARGER:

- Make sure the scooter is powered off.
- Plug the output connector of the off-board charger into the 3-pin charger power socket.(see fig.6)
- Plug the input connector of the off-board charger into the electrical wall outlet.(220V)
- When the red light on the charger turns on this indicates that the Scooter is charging.
- When charging is nearly finished, the green light turns on.You should continue to charge the batteries for 1 to 2 hours.
- It's suggested to charge the batteries for 6 to 8 hours.
- Please unplug the power cord and charger when the battery is fully charged.

NEW BATTERY USE

To break-in new batteries for maximum efficiency, please follow the notes below:

- 1. Fully charge any new battery prior to its initial use.This brings the battery up to about 90% of its peak performance level;
- 2.After 4 to 5 charging cycles, the battery will top off at 100% charge and last for an extended period.
- 3. If the battery of your scooter needs to be replaced, please purchase the battery with the following specification:

type	Deep-cycle sealed lithium battery
size	218x166x59mm
voltage	24V
capacity	10AH

The battery can be charged off the scooter.



fig.6

IV. OPERATION

TILLER CONSOLE

The tiller console houses all of the controls needed to drive your scooter, including the key switch, the speed adjustment knob, throttle control lever, battery condition indicator, etc. With all of the controls on the console you can control the various motions of your scooter.

POWER SWITCH (SEE FIG.2)

The light on the battery gauge turns on when the key is fully inserted into the key switch, and it turns off when the key is removed.



WARNING! Do not use the key switch to stop your scooter unless in an emergency.

WARNING! When at rest, power down your scooter to prevent unintended motion.

IV. OPERATION

THROTTLE CONTROL LEVER (SEE FIG. 2)

This lever allows you to control the forward and reverse speed of your scooter up to the maximum preset with the speed adjustment knob.

Pull the left end of the control lever throttle backwards, the brake is disengaged and the scooter will move backward; Pull the right end of the control lever throttle backwards, the brake is disengaged and the scooter will move forward.

The larger the rotating angle of the lever is, the faster the speed of your scooter.

When you release the lever completely, it automatically returns to its initial position, i.e. the stop position, and engages your scooter's brake to slow the scooter until it stops completely.



WARNING! If your scooter moves unexpectedly, please release the throttle control lever immediately. The scooter will automatically stop unless the lever is defective.

SPEED ADJUSTMENT KNOB (SEE FIG.2)

This knob allows you to preset and limit your scooter's maximum speed. Maximum forward speed: 6km/h, maximum reverse speed: 3km/h.



CAUTION! Before you master the operation, please drive it at a low speed.

BATTERY CONDITION INDICATOR (SEE FIG.2)

When your scooter is powered up, this indicator shows the remaining capacity of the batteries in 3 colors:

- Green: the battery is fully charged.
- Yellow: the electricity is running out, and the battery needs to be charged.
- Red: the battery is depleted, and it needs to be charged immediately.

OFF-BOARD CHARGER

Take out the battery of its slot, you can charge it with the off-board charger through a 3-pin charger socket inside the battery box.

MODE LEVER

There is a mode lever at the lower right of the seat base, shown in fig.1. Whenever you do not want to move your scooter with the motor, you can put it in manual mode.

Push the manual mode lever to disengage the drive motor (manual mode).

Push backward on the manual mode lever to reengage the drive motor (drive mode).

- When your scooter is in manual mode, the brake system is disengaged. In this case, the control system will automatically cut off the forward or backward function.
- Never sit on your scooter when it is in manual mode.
- Never put your scooter in manual mode on an incline. Failure to do so may cause personal injury.



WARNING! When your scooter is in drive mode, the mode lever must be pulled backward, i.e. in drive mode, so as to guarantee the brake system works normally. Failure to do so may cause personal injury or damage to the scooter.

PIN CHARGER SOCKET(SEE FIG.6)

This socket is used to connect the off-board charger. When charging, this socket stops your scooter from moving.



WARNING! Incorrect connection may cause damage to the charger, connectors and circuits.

V. CARE AND MAINTENANCE

GENERAL GUIDELINES

Avoid knocking or bumping all control parts;

- Avoid prolonged exposure of your scooter to extreme conditions, such as over heating, cold or moisture; Keep the tiller console clean;
- Check all connectors to ensure they are connected firmly and securely;
- Check all electrical connectors including the charger's connectors. Make sure they are tight and not corroded. Put the battery flat within the battery box;
- Pull out the key switch each time after usage to avoid unnecessary capacity consumption;
- The scooter has a power saving facility, when you stop using it for up to 20 minutes, the power shuts off automatically. If you need to drive again, please pull out the key and reinsert it to restart;
- The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of a car wax to retain its high-gloss appearance;
- All wheel bearings are lubricated and sealed. They require no further lubrication;

You should perform a safety check before each use to make sure your scooter operates smoothly and safely. It's suggested that your scooter should be checked weekly, monthly and biannually according to the items in table 2.

Table 2:

Inspection items	At any time	Weekly	Monthly	Biannually
All parts			•	
Turning, driving, preset and disassembly etc.		•		
Brake system	•			
Connections		•		
Battery condition	•			
Tire condition			•	
Motors				•
Devices		•		
Cleaning	•			

VI. SAFETY

SAFETY CHECK PRIOR TO USING YOUR SCOOTER:

- Check all electrical connections. Make sure they are tight and not corroded.
- Check all connections to the battery box. Make sure they are correct and secure.
- Check the brakes.
- Check the battery capacity. See “IV. OPERATION”.

WEIGHT LIMITATION



WARNING! Exceeding the weight limit voids your warranty and may result in personal injury and damage to your scooter.

INCLINE INFORMATION

The maximum incline is 9° for your scooter. If a slope is less than this angle, it's safe for your scooter to climb up or drive down.



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 make sure not to exceed the maximum incline.



WARNING! Don't drive up or down a potentially hazardous incline (i.e., Areas covered with snow, ice, cut grass, or wet leaves).



WARNING! Never drive up or down an incline in reverse. This could cause personal injury.

VI. SAFETY

OUTDOOR DRIVING SURFACES

Your scooter is designed to provide optimum stability under normal driving conditions such as on flat cement roads or asphalt roads. However, your scooter can be also driven on dirt roads. However you should avoid driving on the following roads:

- A surface that you feel unsure about, or uneven pavement.
- Tall grass that can become tangled in the running gear.
- Loosely packed gravel and sand.

MANUAL MODE

Your scooter is equipped with a mode lever that allows the scooter to be manually pushed by your attendant. For more information, see “IV. OPERATION”.



WARNING! Do not use your scooter in manual mode without an attendant present. Failure to do so may cause personal injury.



WARNING! Warning! Do not shift in your seat without your attendant's help when your scooter is in manual mode. Otherwise this may result in personal injury. Please ask your attendant for assistance if necessary.



WARNING! Do not place your scooter in manual mode while on an incline. The scooter may roll downward on its own, causing personal injury.

ELECTROMAGNETIC INTERFERENCE

Radio waves from mobile phones, radio receivers or other transmitters such as radio and TV stations could affect your scooter's use if your scooter is in range of their influence. Your scooter may malfunction due to their influences.



WARNING! The electrical devices may be influenced by the EM. If there are any abnormal movements of your scooter due to the EM interference, please turn off the control system immediately and contact your service provider.

TO AVOID AN INJURY, PLEASE OBSERVE THE FOLLOWING SAFETY TIPS

- Ensure that the power is turned off, see “VI. OPERATION”
- Ensure that your scooter is not in manual mode.
- Keep your scooter as near to you as possible.
- Keep the front wheels in the direction you are driving so as to help the stability of your scooter.



WARNING! Position yourself as far back as possible in the scooter seat to prevent the scooter from tipping and causing injury.



WARNING! Avoid using your armrests for weight bearing purposes. Such use may cause your scooter to tip over, causing injury.



WARNING! Avoid putting all of your weight on the footplate. Such use may cause your scooter to tip over, causing injury.

WEATHER PRECAUTIONS



WARNING! Do not operate your scooter on ice or in slippery conditions. Such use may adversely affect the performance and safety of your scooter, resulting in personal injury.



WARNING! Do not expose your scooter to any type of moisture at any time (rain, snow, mist,...). Such exposure can damage your scooter. Never operate your scooter if it has been exposed to moisture until it has dried thoroughly.

VII. WARRANTY

FIVE-YEAR WARRANTY

Our corporation has passed the ISO9001 and ISO13485 certificate. The quality is guaranteed.

COVERED BY WARRANTY:

Five years warranty on the front and the rear main frames from the date of purchase.

One-year warranty on the following parts from the date of purchase:

- Electric Control system and the controller
- Motor/gearbox assembly
- Charger
- Lithium battery

Warranty service will be performed by your provider in cooperation with our after-service department.

NOT COVERED BY WARRANTY:

- ABS Shroud and rubber pads.
- Tires
- Seating and upholstery
- Damage caused due to abuse misoperation, accident and negligence
- Damage caused due to improper operation, maintenance and storage
- Business or other abnormal use

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by



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