OWNER'S MANUAL

MOBILITY SCOOTER

N3458A



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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 with your authorized local provider.

Your safety to operate this product depends upon whether you completely follow the instructions, cautions and warnings in this manual. Our corporation 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.

These 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 injuries.

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

The mobility scooters combine the advanced technology with modern styles. The structure of quick assembly and disassembly is convenient for daily storage or placed at the trunk of your vehicle while travelling. We are certain that the design features and trouble-free operation will ensure your daily life more convenient.

This mobility scooter is suitable for the disabled, elderly and infirm who are mobility challenged but normal thinking. Max. load is 100Kg.
This product is of an indoor type, and suitable for driving indoors and flat footways nearby the buildings, not for grassland, gravel, slope of more than 9 degrees, motorized roads, or rainy days, either.

This Product model is N3458A, “N” is mobility scooter used indoor, “3” is for the code of product category code, “4” is for the quantity of product wheels, “58” is for the serial code of this type, “A” is for the derivative of 3458.

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

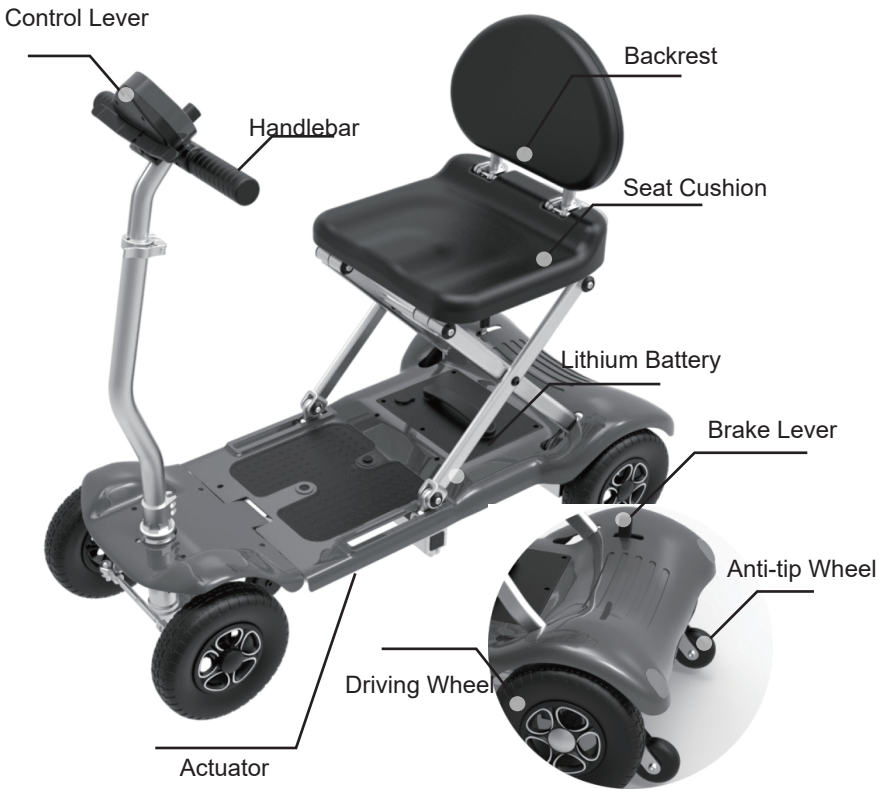


fig.1

1. TILLER CONSOLE (see fig.2)
a. Power Switch
b. Speed Adjustment Knob
c. Battery Condition Indicator
d. Control Lever

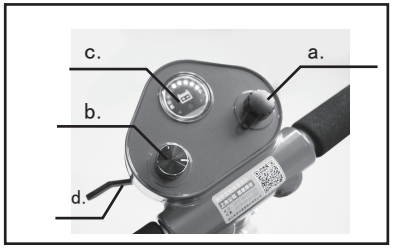


fig.2

Overall size (L*W*H)	**950*460*850mm**
Folding size(L*W*H)	**870*460*400mm**
Seat height	**350mm**
Seat width	**360mm**
Backrest height	**285mm**
Scooter weight(with batteries)	**25Kg**
Max. speed	**≤6km/h**
Braking distance on the flat	**≤1500mm**
Min. turning radius	**≤2000mm**
Load capacity	**100kg**
Theoretical range	**≥18km**
Climbing ability	**≥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**

OPENING THE PACKING BOX

When you open the box, take out the protective pads, then take out the whole scooter. Then press and hold the remote switch.The remote control button control flow is: Press ①first and then ② second , press and hold ④ for floding, or press and hold ③ is for unfolding.

WARNING! Please pull out the key before adjust the scooter. Never adjust it during driving.

FRONT HEAD ADJUSTMENT

The fasteners on the side of the front of the scooter can be loosened up and down according to user's self-height.(Figure 5).

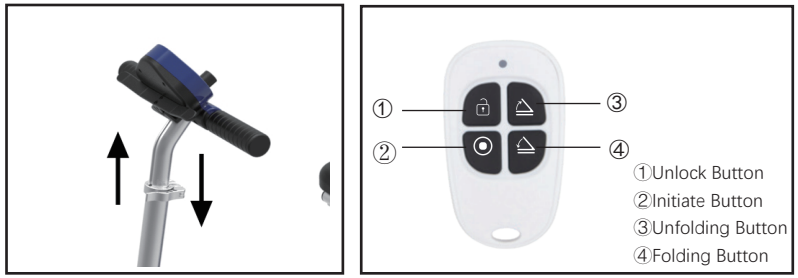
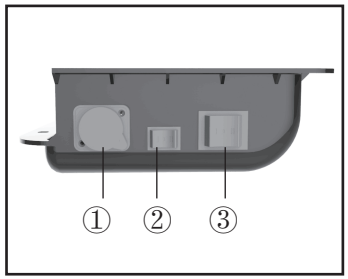


fig. 5



FOLDING WITH BUTTON SWITCH

①Standby power port

②Power 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, especially for long time.

③Folding button("I" means unfolding, "II" means folding)

Note:If the scooter can't be unfolded when the battery is depleted , connect the charger to standby power port, and press the power switch to "II" , then the scooter could be unfolded.

CHARGING YOUR BATTERIES

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

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:

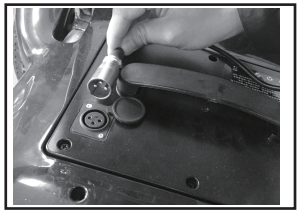
- Make sure the scooter is power off.
- Plug the output connector of the off-board charger into the 3-pin charger power receptacle.(see fig.3)
- Plug the input connector of the off-board charger into the electrical wall outlet.(220V)
- The red light on the charger turns on that indicates charging on.
- 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'S USAGE

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

Type	**Deep-cycle sealed lithium battery**
Size	**218*166*59mm**
Voltage	**24V**
Capacity	**10AH**



The battery could be charged off the scooter.

fig. 3

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 controls on the console you can control 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 goes out when the key is removed.

WARNING! Do not use the key switch to stop your scooter unless an urgent event has happened.
WARNING! When at condition of rest, power down your scooter to prevent unintended motion.

THROTTLE CONTROL LEVER (see fig. 2)

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

Pull backward the left end of the throttle control lever, the brake is disengaged and the scooter will move backward; Pull backward the right end of the throttle control lever, 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 the primary position, i.e. the stop position, and engages your scooter's brake to slow the scooter until to be stopped completely.

WARNING! If your scooter occurs an unexpected motion, please release the throttle control lever immediately. The scooter will automatically stop unless this lever is out of the order.

SPEED ADJUSTMENT KNOB(see fig.2)

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

CAUTION! Before you are master of operating, 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 by 3 colors as red, yellow and green.

Green: the battery is fully charged.

Yellow: the electricity is running out, and the battery needs to be charged.

Red: the battery has consumed, and it needs to be charged immediately.

OFF-BOARD CHARGER (see fig.3)

Open the hasp on the battery box, you could charge your scooter with the off-board charger through a 3-pin charger socket inside the battery box. (see fig.3) For specific methods,see Page 6 of this manual.

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

Push forward on the manual freewheel mode lever to disengage the drive motor (manual mode)

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

1. When your scooter is in freewheel mode, the brake system is disengaged. In this case, the control system will automatically cut off the function of moving forward or backward.

2. Never sit on your scooter when it is in freewheel mode. Failure to do so may cause personal injury.

3. Never put your scooter in freewheel mode on any incline. Failure to do so may cause personal injury.

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

3-PIN CHARGER SOCKET(see fig.3)

This socket is used to connect the off-board charger. When charging, this socket makes your scooter out of work.

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

GENERAL GUIDELINE

Avoid knocking or bumping all control parts;

Avoid prolonged exposure of your scooter to extreme conditions, such as over heat, cold or moisture; Keep the tiller console clean;

Check all connectors to ensure them to be 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 every time after usage to avoid the unnecessary capacity consumption;

The scooter has the power saving facility, when you stop using it up to 20 minutes, the power shut off automatically. If 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 subsequent 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 six monthly according to the items in table 2.

table 2

Inspection Items	At any time	Weekly	Monthly	Six monthly
All parts			◎	
Turning，Driving，Preset and Disassembly etc.		◎		
Brake System	◎			
Connections		◎		
Battery Condition	◎			
Tire Condition			◎	
Motors				◎
Devices		◎		
Cleaning	◎			

1. It's suggested to perform the 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 "VI .OPERATION".

2. WEIGHT LIMITATION

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

3. INCLINE INFORMATION

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

WARNING! When climbing an incline, do not zigzag or drive at an angle on the face of the incline. Drive your scooter straight up the incline. This greatly reduces the possibility of a tip or a fall. Always note not to exceed the max. slope.

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 backward. This could cause personal injury.

4. OUTDOOR DRIVING SURFACES

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

•A driving surface that you feel unsure about or soft pavement.

•Tall grass that can become tangle in the running gear.

•Loosely packed gravel and beach.

5. FREE WHEEL MODE

Your scooter is equipped with a manual freewheel 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 freewheel mode without an attendant present .Failure to do so may cause personal injury.
WARNING! Warning! Do not shift in your seat without your attendant help when your scooter is in freewheel mode. Otherwise may result in personal injury. Please ask your attendant for assistance if necessary.
WARNING! Do not place your scooter in freewheel mode while on an incline. The scooter may roll uncontrollably down on its own, causing personal injury.

6. 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 the range of their influence.

Your scooter may be out of order due to their influences.

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

7. To avoid an injury, please observe the following safety tips when getting onto and off your scooter.

Ensure that the power is turned off, see "VI. OPERATION"
Ensure that your scooter is not in freewheel mode.
Keep you close to your scooter as near as possible.
Keep the front wheels in driving direction so as to help stability of your scooter.

WARNING! Position yourself as backward 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 from tipping and causing injury.
WARNING! Avoid putting all of your weight on the footplate. Such use may cause your scooter to tip and cause your injury

8. INCLEMENT WEATHER PRECAUTIONS

WARNING! Do not operate your scooter in ice or 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, or wash). Such exposure can damage your scooter. Never operate your scooter if it has been exposed to moisture until it has dried thoroughly.

WARRANTY

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

Warranty including:

1. 5 years warranty for the scooter frame;
2. One-year warranty for the following parts from the date of purchase:
   Electric Control system and the controller
   Motor/gearbox assembly
   Charger
   Lithium battery

The warranty service will be supplied from your dealer, finally to cooperate this by our after-sales department and dealer.

Out of The Warranty:
ABS Shroud and rubber pads.
Tires
Upholstery and seat
Damage caused due to abuse misoperation, accident and negligence
Damage caused due to improper operation, maintenance and storage
Business or other non-normal use