



LIMA SCOOTER

USER MANUAL



Congratulations and thank you for choosing the
Aspire Lima Scooter.

This user manual contains a description of the product
and important guidelines to ensure correct and safe use.
It is important to read this manual carefully prior to use.

It is especially important to read and follow the
safety requirements.

Aidacare continuously improves products and reserves
the right to change the specifications and functions of
products without notice.

**If you have any queries, please contact your dealer or
Aidacare directly. Contact information is located
on the last page of this manual.**

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Due care has been taken to ensure all the information contained in this user manual is correct at
the time of printing. All measurements, pictures, colours, and weight capacities are to be used as
a guide only. We reserve the right to modify the design or appearance of any product displayed in
this user manual without prior notice.

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1. INTENDED USE

The Aspire Lima Scooter is a motorised electric scooter for use outdoors primarily on flat surfaces such as pavements, roads, parking lots, and drive ways. It is intended to increase the mobility of people who are both physically and cognitively capable of correctly assessing driving situations and reacting accordingly to them at any time. This product should be used as a tool to assist with mobility or walking difficulties. This product is developed for indoor and limited outdoor use. When used outdoors, the scooter should remain on sealed, level terrain (examples include, but are not limited to, shopping centres, medical centres, flat and level footpaths, and environments with accessibility-focused layouts). Any other use outside of the intended purpose is not advised.

2. PRODUCT DESCRIPTION

The Aspire Lima Scooter is a four wheeled large mobility scooter. The product is made from steel, so it is durable and strong. This scooter offers great maneuverability, stability, and comfort, which features four independent suspensions. It has a generously padded seat with integrated suspension and backrest with 15" wheels for longer rides. This scooter is powered with two motors fitted to the rear wheels.

3. SYMBOLS USED IN THIS USER MANUAL

The symbols below are used throughout this user manual and on the product to identify warnings and important information. It is very important for you to read them and understand them completely.



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 white triangle with a black border.



ALWAYS! 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 infinity symbol on a black dot with a white border.



DO NOT! 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 white symbol with a black circle and black slash.

4. SYMBOLS USED ON THIS PRODUCT



Stickers shown are not to scale.

	Product Code		Driving Speed		Not Crash Tested
	Serial Number		Climbing Angle		Read User Manual
	Manufacturer		Safe Working Load		Caution
	Country of Manufacturer		Product Weight		Medical Device

5. WARNINGS & GENERAL SAFETY INFORMATION

5.1 BEFORE DRIVING FOR THE FIRST TIME

Before taking the first trip with mobility scooter, you should familiarise yourself well the operation of mobility scooter and with the operation elements. Please take your time to read this introduction booklet.

Before driving, please evaluate your personal condition, and fully understand the operation of mobility scooter.



DO NOT assemble, maintain, and operate the mobility scooter before you read this instruction booklet.



WARNING! Observe and obey all pedestrian rules and regulations in which you are riding.



WARNING! Mobility device may only be used on the traffic routes for which it is approved in accordance with the relevant national legislation.



ALWAYS be aware of pedestrians and situations which might require extra care when using your scooter on public walk ways and footpaths.



DO NOT drive your scooter if you are under the influence of alcohol or medication that may affect your ability.



DO NOT try not to drive scooter at night.



ALWAYS turn the key off before getting on or off (see section 8).



ALWAYS please observe all relevant rules and regulations pertaining to pedestrians and road users, at all times when you are driving the scooter.



DO NOT turn the power on before you get in and sit securely on the seat.



WARNING! Be certain that the power is turned off when get in, get out. This will eliminate the possibility of accidentally activating the wigwag controls and causing injury.



WARNING! Keep your weight toward the middle of the deck. Putting most or all of your weight on the edge of the deck may cause an unstable condition.



WARNING! Only one person at a time can ride the Lima Mobility Scooter. Do not carry passengers under any circumstances.

PRACTICE TIPS

If you are new to drive a scooter, it is a good idea to practice in a clear, safe space on a sound level surface, ie. park or playground.

Basic functions to practice: Wig wag accelerate / Wig wag release / Stop / Reverse / Turn / Ramp proceeding.

Set the speed control to its lowest speed, slightly increase the speed when you are getting familiar with the scooter. (Refer to 8.2, Speed Dial Knob)

Practice operating your scooter in the presence of an attendant. Remember that only with practice will you become a competent driver. Practice these basic functions until you feel that you have control of your scooter.

5.2 CAUTIONS WHEN DRIVING



WARNING! Please do the daily check before your journey always. (Refer to section 10.1, Daily check)



DO NOT extend your body over the mobility scooter.



WARNING! Please make sure you are safe when crossing the level crossing.



WARNING! Never place the scooter in freewheel mode when on any sort of an incline or decline. When the scooter is parked, the lever for engaging and disengaging the motors must be locked firmly into the “DRIVE” position. (Refer to section 9, lever adjustment)



WARNING! Cross the railroad crossing, make sure the wheels pass the rail at 90 degree angles, avoid scooter stuck on railroad crossing.



WARNING! When descending an incline, use the slowest speed possible. If the descent is faster than you desire, release the throttle lever to stop the scooter. Then press the throttle lever slightly to control the speed.



WARNING! Please make sure you are safe when crossing the level crossing.



WARNING! When crossing the level crossing, please be aware of the wheel and rail are perpendicular.



DO NOT use the mobile phone and wireless mobile devices while driving the scooter.



DO NOT use the batteries of mobility scooter to charge any other electric devices, except the accessories from original manufacturer.



DO NOT drive on slope over the limit. (Refer to section 7, curb climbable)



WARNING! Reduce speed when descending to prevent any danger.



DO NOT increase speed when ascending.
(Refer to section 8.2, Speed Dial Knob)



DO NOT drive to across the obstacle over the limit.
(Refer to section 5.5)



DO NOT attempt to drive the scooter in rain, wet grass, or any other potentially hazardous condition.



WARNING! Ensure that the lights of scooter are turned on while driving at night or in poor visibility.



WARNING! Please stop operating the scooter if the batteries have drained, continuous operation may damage the scooter.



ALWAYS follow the local pedestrian traffic rules when driving outside.



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



DO NOT turn off the power while driving.



DO NOT stretch your body out on the scooter. For maximum stability, lean forward in your body while proceeding up ramps, inclines, curbs, or any low rise.



DO NOT attempt to have your scooter climb or descend an obstacle that is inordinately high. This may cause the scooter to tip.



DO NOT attempt to use your scooter on an escalator.



DO NOT make sharp turns while driving. This may cause the scooter to tip.

5.3 GENERAL SAFETY INFORMATION FOR SCOOTER



WARNING! Batteries should be fully charged before using for maximum performance and longevity. (Refer to section 9, Battery & Charging The Battery)



WARNING! The maximum load of the scooter is 136kg. Do not exceed the maximum permissible load. Exceeding the max. weight rating may result in injury to yourself.



WARNING! The maximum load of the front basket is 3kg exceeding the max. weight may result damage to basket.



WARNING! The mobility device is only designed for use by a single occupant whose maximum weight does not exceed the maximum permissible load of the device. Never use the mobility device to transport more than one person (including children).



DO NOT attempt to carry out maintenance work that is not described in this user manual.



DO NOT change, modify, remove any parts from products especially safety protected parts such as anti-tippers.



WARNING! Completely deflate the tires (air tires) before dismantling the rim.



WARNING! Materials and assemblies of scooter is flame resistant.



WARNING! Avoid exposure the scooter to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition. Any direct contact with water can cause damage to the scooter and electrical system.



DO NOT remove the anti-tip wheels or modify your scooter in any way that is not authorised.



WARNING! Only use the chargers, accessories, or components supplied as original equipment with your scooter.



WARNING! Immediately stop using the scooter if you encounter a problem with the scooter. Turn off the power and contact Aidacare for further checking.

5.4 CAUTIONS WHEN DRIVING ON INCLINES



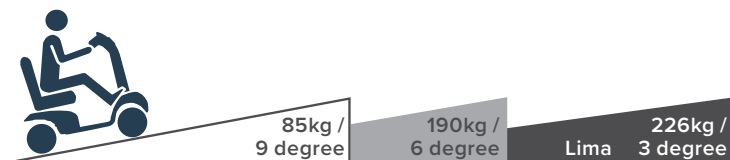
WARNING! The scooter has been rated to a maximum climbable height, obstacle height, and gap. (Refer to section 7, Technical Specifications)



WARNING! Never drive on a slope that exceeds the rated slope.



WARNING! The safe working load at different ramp degree (please refer to following picture).



WARNING! Your scooter's ability to travel up inclines is affected by your weight, your scooter's speed, your angle of approach to the incline, and your scooter setup.



WARNING! Please avoid driving on a long ramp or any uneven terrain to prevent any damage to the motor.



WARNING! The batteries voltage normally will go up when driving on descending road. If the battery voltage becomes too high, the over-voltage protection will be activated by slowing the speed till the scooter stops. (error code :ERR3 will be displaying). Please pull over the scooter to the safe area, release the throttle, and restart the scooter again.



WARNING! When driving down a ramp or uneven terrain, keep the scooter's speed adjustment set to the slowest speed setting to ensure a safely controlled driving.



WARNING! If the speed is too fast, release the throttle control lever, let the scooter stop. When you feel that you again have control of your scooter, push the throttle control lever forward and continue safely driving.



DO NOT turn around at high speed on ascending, descending ramp.

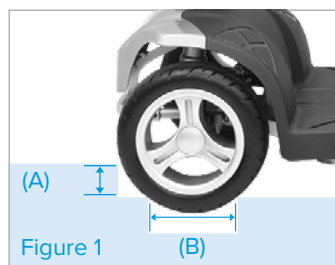
5.5 CAUTIONS WHEN CLIMBING



WARNING! The maximum height of obstacle and curb that scooter can climb is up to 9cm with run-up (A).



WARNING! The maximum gap that scooter can drive over is 22cm (B).



WARNING! Always overcome obstacles straight on at 90 degrees, in one stroke, do not stop halfway! Firstly, make sure the front wheels of the scooter is perpendicular to the obstacle, approach the obstacle slowly until the front wheels touch the obstacle, increase the speed and ensure that the front wheels and rear wheels have moved over the obstacles, and then you may reduce the speed.



WARNING! When driving scooter on ramp, adjust body center of gravity for scooter stability.



WARNING! Never attempt to overcome an obstacle when on an uphill or downhill gradient or it may increase the chance of tipping! Adjust the seatback into an upright position before climbing an obstacle, or it may increase the chance of tipping!

5.6 ELECTROMAGNETIC INTERFERENCE AND WARNINGS



WARNING! It is very important that you read this information regarding the possible effects of Electromagnetic Interference on your mobility scooter.

Mobility scooters 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 mobile phones. The interference (from radio wave sources) can cause the mobility scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the mobility scooter control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each mobility scooter can resist EMI up to 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 20V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. The immunity level of this mobility scooter model is not known.

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 warnings listed below, your risk to EMI will be minimised.

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

1. Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkie," security, fire, and police transceivers, mobile phones, and other personal communication devices.



WARNING! Some mobile phones and similar devices transmit signals while they are ON, even when not being used.

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 vehicle.
3. Long-range transmitters and transceivers such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.



WARNING! Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your mobility scooter.

Mobility Scooter Electromagnetic Interference

Because EM energy rapidly becomes more intense as one move closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the motorised scooter control system while using these devices. This can affect mobility scooter movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the mobility scooter.

Warnings

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones can affect mobility scooters. Following the warnings listed below should reduce the chance of unintended brake release or motorised scooter movement which could result in serious injury.

1. Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as mobile phones, while the mobility scooter is turned ON.
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
3. If unintended movement or brake release occurs, turn the motorised scooter OFF as soon as it is safe.

4. Be aware that adding accessories or components, or modifying the mobility scooter, may make it more susceptible to EMI.



WARNING! Some mobile phones and similar devices transmit signals while they are ON, even when not being used.

5. Report all incidents of unintended movement or brake release to the distributor listed on the inside front cover of this manual. Note whether there is a source of EMI nearby.

Important Information

1. 20 volts per meter (V/m) is a generally achievable and useful immunity level against EMI (as of May 1994). The higher the level, the greater the protection.
2. The immunity level of this product is at least 20/Vm.

5.7 SAFETY WARNING AND INSTRUCTION LABELS



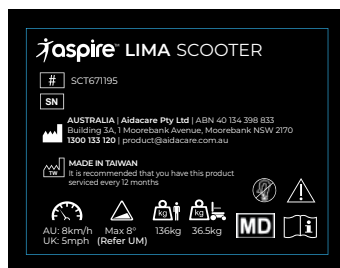
1 Warning Sticker

1. Please read the User Manual carefully before using your scooter.
2. Keep the scooter properly maintained.
3. Do not drive the scooter on slippery surfaces or on slopes over 8°.
4. Do not drive on highways, crowded roads, or unfamiliar areas.
5. Do not turn at high speed in either forward or reverse.
6. Do not wash with water or leave scooter in a humid environment since water can damage the electric parts.
7. Always re-engage the emergency freewheel device after use.



- 2 Information Sticker states the date of manufacture and serial number of the scooter. (below the tail light)

This product has been supplied from an environmentally aware manufacturer. It may contain substances that could be harmful to the environment. Recycling must be carried out in accordance with the respective national legal provisions.



- 3 N-D Lever Adjustment label which instructs freewheel mode operation. (see section 9.2, Operating The Charger, for operation)



- 4 Armrest adjustment restriction label



- 5 Warning label Keep hands away



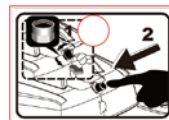
- 6 Warning label Keep hands away



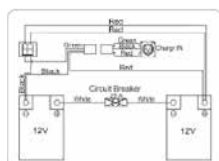
- 7 Battery capacity label (30.15Ah)



- 8 Instruction of battery lock nut label



- 9 Wiring diagram Label



- 10 Instruction label Dismantling the front and rear frame of scooter



6. LIST OF COMPONENTS

- 1 Seat
- 2 Flip-up arm rest
- 3 Control panel
- 4 Basket
- 5 Tiller-angle adjustment knob
- 6 Battery
- 7 Wheel
- 8 LED Headlight
- 9 Carrying handle
- 10 Charging Socket
- 11 Circuit Breaker
- 12 Seat Rotation Lever
- 13 Armrest Adjustment Knob
- 14 Release Lever
- 15 Reflector
- 16 Rear Light
- 17 N-D Lever
- 18 Anti-tip Wheels



7. TECHNICAL SPECIFICATIONS

Colour Code	Red SCT671195
Seat Features	Slide/Swivel/Recline
Overall L x W x H	1120 x 590 x 905mm
Seat Size D x W	400 x 460-510mm
Seat to Deck	400-450mm (Maximum)
Seat to Ground	520-570mm (Maximum)
Armrest Height	230mm
Min Turning Radius	1450mm
Ground Clearance	52mm
Max Climbing Angle	8°
Max Driving Speed	8km/h
Driving Range	39km
Wheels Tyres	225mm Solid
Travel Ride	Rear Suspension
Battery	1 x 25.2V 30.15Ah (Lithium)
Product Weight	35.6kg
Heaviest Part	13.7kg
Battery Weight	7kg
Power Motor	250W 2 Pole
Controller	DR 50
Brake System	Electro-Mechanical
Free Wheel Mode	Yes
Charger Size	4A Off Board
SWL	136kg

8. CONTROL PANEL

8.1 IDENTIFICATION OF CONTROL PANEL



Figure 3 - Lima Control Panel

Item		Function
1	Main Key Switch	Power on and off
2	Speed Dial Knob	Adjust the scooter speed
3	Horn Button	Press for warning sound
4	Battery Gauge	Battery charge display
5	Self-Diagnostic Warning Light	Error code
6	Throttle	Move forward and backward

8.2 GERNERAL OPERATION

Before attempting to drive this mobility scooter on your own, it is important that you familiarize yourself with the controls, and how to operate them.

Intended use: Aspire Lima Scooter provide a means by which a disabled occupant i.e.a disabled person or a person not having the full capacity to walk unaided to have mobility and the freedom to travel.

Indication: The occupant is a person who requires a mobility scooter due to current or anticipated mobility limitations. The Aspire Lima Scooter are intended to be applicable to at least 50% of adult users, based upon the body size of adult users within the range 50th percentile adult female to 50th percentile adult male the abilities and with vary in weight.

Contra-indications: None known.

Before operation, please remove the Lock Nut (A) and press the button of Circriut Breaker (B) to active the system.

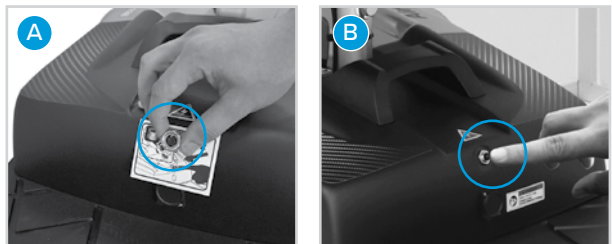


Figure 4

Main Key Switch

- Turn the key to the right to turn the power on.
- Turn the key to the left to turn the power LED head/tail light on.
- Turn the key to the centre position to turn the power off.



ALWAYS turn the power off before getting on or off the scooter.



WARNING

WARNING! Turn the power off during driving will bring the scooter to an abrupt stop and danger.

Sleep Mode

- Scooter will go into sleep mode with one long beep warning sound if no throttle lever activity is detected for programmable time period. (Default programmable time is 10 mins.)
- When scooter is in sleep mode, all lights on the control panel will be off, and the scooter will not respond to commands.
- To wake up the scooter, turn the power off and then on again.

Speed Dial Knob

- Turn the knob to the left to decelerate the speed.
- Turn the knob to the right to accelerate the speed.



WARNING! Before driving the scooter, set the speed to low by turning the knob to the left.



WARNING! Drive at low speed on downhill slope.

Horn Button

Press Horn Button once to sound warning tone when necessary.

Battery Gauge

The LED represents an approximation of battery power. All LEDs are on when the batteries are fully charged. When only red and orange are on, the batteries are almost consumed and should be charged soon. When only red are on, charge the batteries immediately. (see section 5-3)



WARNING! Please check the battery power before the ride. If the power is low, charge the battery first. Please charge the battery after each use.

Self-Diagnostic Warning Light

Flashing light indicates there is a problem within scooter. (See section 6 for trouble shooting)

Throttle

- Pull the right throttle to move forward.
- Pull the left throttle to move backward.
- Release the throttle to engage automatic brake to decelerate to a full stop.



WARNING! Releasing the throttle engages the automatic brake, the scooter will taxi for a short buffering distance, please keep safe distance to prevent any collisions.

Tiller Angle Adjustment

- Turn the knob to disengage the pin.
(Figure 5)
- Adjust the tiller to the most comfortable angle. Release the knob and ensure the pin is fully engaged to lock the tiller in position.



Figure 5

Seat Rotation Adjustment

- Lift the lever upward to disengage the pin.
- Simultaneously, rotate the seat to the most comfortable angle. To lock the seat in position, release the lever and ensure the pin is fully engaged. (Figure 6)



Figure 6

Circuit Breaker

If scooter's circuit system malfunctions or is overloaded, the circuit breaker will trip and automatically shut down the power to ensure the safety. Move the scooter to a flat road, press circuit breaker and you can turn on the power. (Figure 7)



Figure 7

Free-wheeling Lever

- Pull the lever in drive position before the ride. (Figure 8)
- When the scooter can't operate, pull the lever in neutral position to push the scooter by hand.

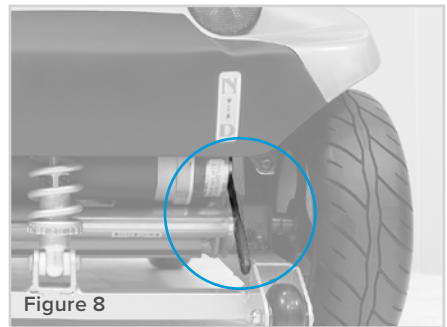


Figure 8



DO NOT switch to neutral position unless you are in the presence of an attendant.



DO NOT switch to neutral position on slope to avoid roll-away and serious danger.



When adjusting the Free-Wheeling lever, **DO NOT** sit on the scooter and the power needs to be off and operate on a flat road.

Armrest Assembling and Angle Adjustment

- Release the knob (A) to adjust to the most comfortable width, then tighten the knob (A). Release the knob (A) to disassemble the armrest. (Figure 9)
- Lift the armrest, release the nut (B) to adjust the screw to a comfortable angle, then tighten the nut (B). (Figure 10)



Figure 9



Figure 10

Seat Height Adjustment

- Remove the seat. (see section 4-10)
- Remove the screws, nuts and washers from seat post. (Figure 11)
- Adjust seat post to desired height, then tighten the screws, nuts and washers in order.
- Assemble the seat post back to its original position.



Figure 11

Basket Assembly and Disassembly

Lift the basket. (Figure 12)



WARNING

WARNING! Max. weight limit of the basket: 3kg



Figure 12

Seat Assembly and Disassembly

Pull the lever upward and rotate the seat to lift up the seat. (Figure 13)



Battery Box Assembly and Disassembly

Pull out the battery box by the arrow direction. (Figure 14)



WARNING! When transporting the scooter, make sure the scooter stands up vertically to avoid the battery box falling out.



WARNING! Charge the battery fully before long storage time (over a week).



WARNING! Please turn off the power under the following conditions:

1. Sea freight and other forms of transportation.
2. Maintenance service.
3. Functional failure.
4. Fire or other emergency.

Front & Rear Frame Disassembling

Hold the seat post and press the frame release lever to separate the front/rear frames by the arrow directions. (Figure 15)

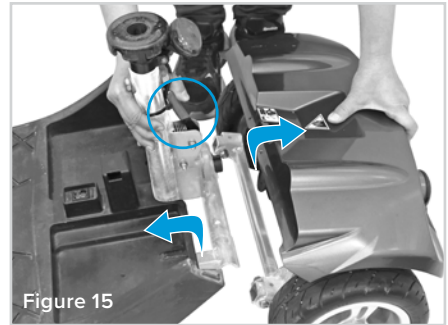


Figure 15

Frame assembly:

- Lift the front frame groove (A) and align with rear rod (B) to assemble them. (Figure 16)

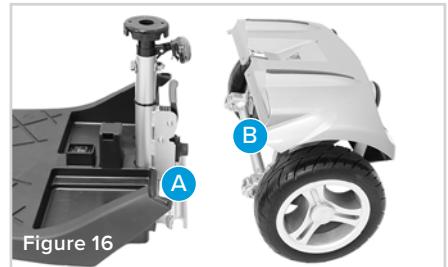


Figure 16

- Lightly press to combine the frame release lever and hook, make sure you hear a “click” sound when lock-in. (Figure 17)



Figure 17

- After assembling, push the frame release lever and hook to make sure they are firm and secure. (Figure 18)



Figure 18

Tiller Fold Method

Turn the knob (A) to release the pin (B) to fold down the tiller (S) to the lowest position.



Figure 19

Completion of Disassembly

The Scooter can be disassembled as shown in Figure 20.



Figure 20

9. BATTERY & CHARGING THE BATTERY

9.1 CAUTIONS FOR CHARGING



WARNING! Please read this section thoroughly before charging.



WARNING! Please turn the power off before charging and make sure to set the N-D lever to Drive position. (see section 4-1 / 4-6)



WARNING! Please see section 8. Specification for the specification of lithium battery.



WARNING! Suggest not unplug the charger unless the charging has completed (charger indicator turns green). (see section 5-2)



WARNING! The battery must be fully charged before the first ride. (see section 5-2)



WARNING! Charge the battery after each use. (see section 5-2)



WARNING! The Scooter uses lithium battery.
Recommended range of storage temperature:
1 year: -20~25°C, 3 months: -20~45°C, 1 month: -20~60°C.
Cell operating conditions : Charge temperature: 0~45°C,
Discharge temperature: -20~60°C.
Humidity range: 0~60% RH (non-condensing)



WARNING! Fully charge the battery before prolonged storage (3 months or above). Store the battery in a dry and well-ventilated environment. Battery must be recharged every 3 months during the storage.



WARNING! The efficiency and lifetime of battery vary depending on the charging of the battery. The improper charging way or insufficient charger equipment may affect battery lifetime and performance.



WARNING! Battery is subject to the disposal and recycling regulations by your local country and region. Always check and follow your applicable regulations before disposal.



WARNING! It's highly recommended to have your scooter inspected for the battery by your dealer every six months despite the frequency of use.



DO NOT sit or operate the mobility scooter when charging.



WARNING! Store the lithium battery and charger in a dry and well-ventilated environment, away from any source of direct heat, humidity, oil, acid, alkaline, and ozone to prevent overheating, malfunction, shorter lifespan or the cause of fire.



DO NOT cover charger by any objects. Use the charger in a well-ventilated area.



Only use the original battery and charger, well control the charging time to prevent damage to battery and equipment. **DO NOT** use chargers from other brands or connect the charger with an extension cord.



DO NOT disassemble charger and battery box by yourself to prevent the danger.



DO NOT damage or disassemble battery box to avoid damage to internal battery.



ALWAYS avoid battery short-circuit, try to avoid possible short-circuits caused by internal interaction or conductive materials.



WARNING! In case of any malfunction, strange smell, heat, discoloration or deformation on lithium battery or unusual condition during the charging, remove the battery immediately and stop using it.



ALWAYS avoid strong impact and extrusion to battery to prevent the damage to the battery case and internal structure.



WARNING

WARNING! Maintenance and repairs should only be performed by a qualified engineer or authorized dealer. To replace the built-in battery, please contact your dealer.



WARNING

WARNING! It is forbidden to connect any electrical or medical device to the battery of the scooter, it may cause the scooter malfunction.

9.2 CHARGING OPERATION

You can directly charge on the scooter or take out the battery box to charge.
(see section 4-11)

1. Open the charging socket cover and insert the output connector (B) of the charger (A) into the socket (C), then plug the AC end of charger into a 100-240V electrical outlet.
2. Please check if the power light (D) turns red and the charger indicator (E) turns on.
3. To be safe, please follow the instructions above. Unplug the AC end of the charge first after charging, then unplug the output connector (B).

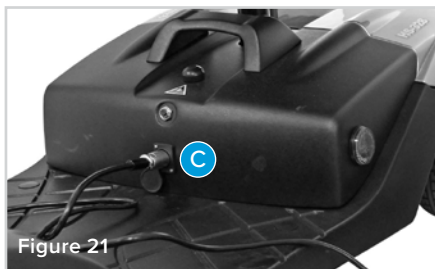


Figure 22

Charger Indicator (E)

Red = standby

Orange = charging

Green = fully charged



WARNING! Unplug the AC end of the charger first after charging. When charging continuously for a certain period of time (over 8 hours), the battery power is still not full and the charger indicator does not turn on green, indicating that the charger or battery is abnormally aging or other problems. Do not solve this problem by yourself, please contact the dealer for repair service.



WARNING! If left unused more than a week, please fully charge the battery then disconnect, making sure the connector (B) is placed properly to prevent short circuit. Charge the battery once a month and store in a dry environment.

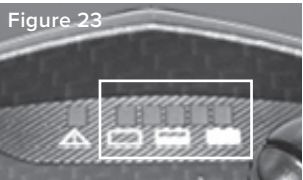


Please be aware that the travelling range of your mobility scooter is impacted by how fast the battery discharged. This will depend on many circumstances, such as ambient temperature, condition of the road, tyre pressure, weight of the driver, driving environment (incline etc.) and utilisation of your lighting system if fitted. We recommend that you test your local ride with a family member to ensure a safe journey.

9.3 BATTERY GAUGE OPERATION

The battery gauge comprises five different LEDs (1 x red, 2 x orange, 2 x green).

The number of LEDs lit depends on the status of the battery as shown below.



Battery Gauge	Status
	Fully charged. This level is set by the battery gauge maximum parameter.
	Operate normally. Pay attention to the battery battery voltage.
	Operate normally. Pay attention to the battery battery voltage.
	Consider charging battery
	Battery needs charging. This level is set by the battery gauge minimum parameter.
	Flashing red: power exhausted, please park on a safe place immediately.

10. CARE, MAINTENANCE & CUSTOMISATION

10.1 DAILY CHECK

Please always check your scooter before you start your every journey.

Check point	Inspection	Ref.	What to do if the inspection is failed
N-D lever	Check for correct function.	P.25	Contact Aidacare
Horn	Check for correct function.	P.22	Contact Aidacare
Throttles	Pull the wigwag to test the scooter movement.	P.22	Contact Aidacare
Electromechanical brake and Emergency hand brake	Pull the wigwag a little bit and release it to test if brake works. If your scooter comes with emergency handbrake, please check it as well.	P.23	Contact Aidacare
Battery Gauge	Check if the battery gauge is displayed and whether it is at low power.	P.32	Contact Aidacare if battery gauge is not working. Recharge the battery immediately if low
Rear mirror (s)	Check if the parts are clean and firmly tighten to the scooter and do not wobble.	P.18	Clean up the dirt by damp cloth. Tighten the screw or clamping stem that holds the mirror(s)
Lighting	Check if all lights, such as head lights, rear lights, and turn signal are functioning correctly.	P.18	Contact Aidacare

10.2 WEEKLY CHECK

Check point	Inspection	Ref.	What to do if the inspection is failed
Speed Dial Knob	Check for correct function.	P.21	Contact Aidacare
Armrests	Check if the parts are clean and firmly tighten to the scooter and do not wobble. Tighten the screw knob that holds the armrest.	P.24	Contact Aidacare
Wheels/Tires	Inflate the tire to the correct pressure and check that 1. Drive wheels rotate without wobbling. 2. Tire tread depth is not less than 0.5mm. 3. No foreign objects in tires.	P.40	Contact Aidacare
Motor	Check for correct function.	Observe while driving	Contact Aidacare
Battery Charger	Check if the charger is functioning correctly and the batteries are charged.	P.32	Contact Aidacare

10.3 MONTHLY CHECK

Check point	Inspection	Ref.	What to do if the inspection is failed
Seat / Upholstery	Check for movement and if it's worn.	P.23	Contact Aidacare
Electronics	Check if all the battery cables and connectors are firmly tighten to the scooter.	P.27	Contact Aidacare

10.4 CLEANING YOUR SCOOTER

- Do not use any abrasive or scouring liquids for cleaning. Only use a damp cloth and gentle detergent.
- Do not use hose pipe or splash water directly onto the scooter as this may cause damage to electronics.

10.5 MAINTENANCE

- User should inspect the scooter regularly to keep scooter in good running order.
- Check if the electrical cable connectors are fully connected.
- All maintenance and repair of scooter should be done by an authorised dealer.

Seat Upholstery

Only use damp cloth and a little soap to wipe the seat. Do not use abrasive cleaners as this will damage the seat.

Storage

- Please store the scooter in a dry location. If storing the scooter in long time, please disconnect the battery terminals.
- Do not store your scooter where it will be exposed to a source of direct heat, damp, oil, acid, alkaline, or where Ozone could be possibly generated. All of the above will minimise scooter / tire cycle and shorten its lifetime.

Tire

User should inspect the tires frequently for damage, the presence of foreign bodies, unusual wear and sufficient tread depth. If replacement tires are needed, please contact the nearest dealer.

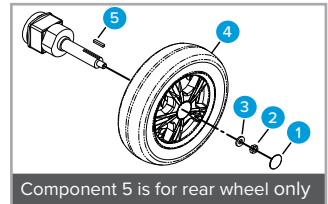
The following areas require periodic inspection:

- Tire pressure between 30-35psi
- Tread depth drops below 0.5mm

Recommended range of storage,

Temperature : $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$,

Humidity : 25% $\sim$ 85%



Follow these easy steps to replace the tire:

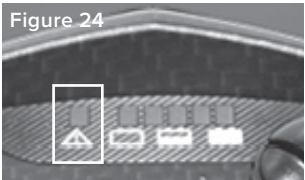
1. Turn off the scooter and remove the key. Make sure the lever is in D position before you lift the scooter.
2. Use an ratchet and socket to remove the drive wheel screw from the centre hub of the wheel. Pull the wheel off of the axle.
3. Separate the tire from the rim.
4. Remove the old tire and replace it with a new tire.
5. Slide the wheel back onto the shaft.
6. Install the drive wheel nut into the centre hub and verify the key is lined up with axle and wheel, then tighten to secure it in place. (Torque $300 \pm 30 \text{ kgf-cm}$)

All maintenance and repair of scooter should be done by an authorised dealer.

11. TROUBLE SHOOTING

SELF-DIAGNOSTIC WARNING LIGHT / ERROR DESCRIPTION

When powered up, if there is an error with the system, the self-diagnostic warning light will flash red. The number of flashes indicates different types of errors. These are described in the table below.



Flash Times	Description	Initial check points
1	Battery Low	Charge the battery immediately.
2	Low Battery Fault	Battery is exhausted, please park at a safe place.
3	High Battery Fault	Battery voltage is too high. This may occur if overcharged or traveling on a long slope. • If traveling on a slope, reduce your speed to minimize the amount of regenerative charging. • Check the battery and associated connections and wiring.
4	Current limit time-out	The motor has been exceeding its maximum current rating for too long. • Check the motor and associated connections and wiring. • Turn the power off, leave for a few minutes and turn back on again.
5	Park Brake Fault	Either the free-wheeling lever is in neutral position or it is faulty. • Check the free-wheeling lever and associated connections and wiring. • Ensure any associated switches are in their correct positions.
6	Throttle OONAPU	Turn on the power but the throttle is not in central position. • Ensure the throttle is in central position. • The Throttle may require re-calibration.

Flash Times	Description	Initial check points
7	Speed Pot Fault	• The throttle or other associated wiring may be faulty. • Check the throttle and associated connections and wiring.
8	Motor Voltage Fault	• The motor or its associated wiring is faulty. • Check the motor and associated connections and wiring.
9	Other Error	• The controller may have an internal fault. • Check all connections and wiring.

12. WARRANTY

7 YEAR LIMITED WARRANTY
Frame

5 YEAR LIMITED WARRANTY
Motors, Axles & Brakes

1 YEAR LIMITED WARRANTY
Electronics

6 MONTH LIMITED WARRANTY
Battery

The Aspire Lima scooter comes with a 7-year limited warranty on frame, a 5-year limited warranty on motors, axles, and brakes, a 1-year limited warranty on components, and 6-month on the battery. Please keep purchase invoice as proof of warranty commencement. This product carries a warranty that varies by component part and is against manufacturer defect only, it does not cover wear and tear through use. For further information contact Aidacare.

13. COMPLIANCE

This range of scooters are manufactured in ISO compliant production facilities in Taiwan, adhering to strict quality control standards.

Aspire scooters are manufactured and independently tested to meet relevant market compliance standards.

Labels on the scooter address compliance requirements, and users should familiarise themselves with these before use.

14. RECYCLING INFORMATION

This product is fitted with electronic components and should not be mixed with general household waste. Please follow the diagram below to identify the materials on the product. Old batteries and electronics are to be taken to your nearest recycling centre for recycling or contact your retailer.



Lead Acid Battery

Waste of Electrical and Electronic Equipment (WEEE)

Metal Frame, Plastic Body Parts, and Nylon Upholstery

15. MANUFACTURER, IMPORTER & EU REPRESENTATIVE

If you have any questions, you can contact:



Manufacturer:

Aidacare Pty Ltd ABN 40 134 398 833

Building 3A, 1 Moorebank Avenue,
Moorebank NSW 2170 Australia

1300 133 120 | product@aidacare.com.au



EU Representative:

European Heathcare & Device Solutions (Ireland)Ltd.

Stratton House, Bishopstown Road,
Cork T12 Y9TC Ireland

info@europeandevicesolutions.eu



Importer:

Aidacare Ltd Registration 13785408

Arcadia House, Maritime Walk, Ocean Village,
Southampton SO14 3TL United Kingdom

01622 541235 | info@aidacare.co.uk

The manufacturer reserves the right to alter, without notice, any weights, measurements, or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

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