



E-TOURa Journey

USER'S MANUAL

Enjoy Every Moment!

SCOOTER PS30

Please note that the images in this manual are for illustrative purposes and may differ from the actual product.

onward➔

ATTENTION:

Please thoroughly read and understand the information in your user's manual before you use your scooter.

SAFETY GUIDELINES

Before attempting to use your scooter for the first time, please read and understand this user's manual.

This manual will be your guide to ensure a secure and enjoyable riding experience, as your safety and comfort are our priority.

Should you have any other questions about this or additional support in your scooter setup, contact your authorised Licht Technology Provider.

Ensuring your safety while using the E-Toura Scooter relies on your thorough understanding and on adhering to the warnings, cautions, and instructions in this user's manual.

It is equally important to know that your use of the E-Toura Scooter depends on the application of your good judgment, gained through personal experiences, as well as the insights provided by your trusted provider, caregiver, and healthcare professional. E-Toura Scooter emphasised that they cannot be held liable for injuries or damages resulting from any failure to follow the guidelines laid out in this manual.

Please be aware of the symbols indicating warnings and cautions in this user's manual. Your safety and the durability of your scooter depends on your ability to fully comprehend these indicators.

Intended use:

Licht Scooter PS30 is designed to be operated by a person with a disability to enhance the ability for self-transportation.



WARNING: *Disregarding the warnings in this user manual may expose you to the risk of personal injury.*

CAUTION: *Overlooking the cautions in this user's manual may damage your scooter.*

journey

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I. GETTING STARTED

SAFETY

Welcome to the world of unmatched style and comfort with Licht Technology USA Corporation. Built with state-of-the-art components, the scooter you purchased was meticulously designed for your safety and convenience. We are confident these design features will seamlessly enhance your daily activities, providing the convenience you seek. As you become familiar with safe operation and care instructions, your E-Toura scooter is excellently engineered to deliver years of trouble-free operation and dependable service, elevating the quality of your daily experience.

Prior to using your scooter for the first time, it is essential to read, understand, and follow all instructions, warnings, and notes provided in this manual. Your safety is our priority, and keeping it relies on your understanding of these guidelines, as well as your Provider, caretaker, or healthcare professional for a secure and confident scooter experience.

Should there be any aspect of this manual that you find unclear or you may need additional guidance for setup or operation, don't hesitate to reach out to your authorised Licht Provider. Neglecting the instructions in this manual and on your scooter could lead to personal injury and/or scooter damage, potentially risking voiding the warranty.

EXPRESSED AGREEMENT OF INDEMNIFICATION

By accepting the delivery of this product, the Purchaser expressly commits not to alter, modify, or change the product in any way. Furthermore, he/she agrees not to remove or render inoperable any of the product's guards, shields, or safety features. The Purchaser also pledges not to destroy, tamper or obstruct safety signs or neglect the installation of any retrofit kits provided by Licht for user's enhanced safety.

Failure to adhere to these commitments or any negligence in the safe operation or maintenance of the product will result in the Purchaser indemnifying and holding Licht harmless from all actions, suits, claims, or demands, which includes product's liability claims for injuries or loss arising from the product's operation, maintenance, repair, or other use. Purchaser acknowledges that this indemnification agreement is a fundamental condition of sale, backed by sufficient consideration, and he/she affirms having read and comprehended it .

INFORMATION EXCHANGE

We highly value your feedback, questions, and suggestions regarding this user's manual. Your insights are crucial to enhancing our products and securing to meet your expectations. We are eager to hear about your experiences with the safety and reliability of your new scooter. Your satisfaction is valuable to us, and your input helps us continually improve and innovate our product.

I. GETTING STARTED

We are also interested in learning about the service you received from your authorized Licht Provider. Your feedback enables us to maintain quality customer service and address any areas for improvement. We strive to ensure that your experience with both our products and services is positive and meets the standards we set for ourselves.

You may contact us at the provided address for any questions, comments, or suggestions. Your valuable input is instrumental in shaping the future of our products and services, and we appreciate the time you take to share your thoughts with us. You may reach or contact us at the following address:

Licht Technology USA Corporation

Attn: Customer Care Department

1040 N. 950 W, Suite 500

Centerville, UT 84014

Phone: (801) 809-0086

Email: info@onwardability.com

onwardability.com



II. YOUR SAFETY

GENERAL



WARNING: Do not attempt to start using your new scooter without fully reading and comprehending the content of this user's manual.

Your scooter is not just a mode of transportation; it's a cutting-edge life-enhancement device carefully designed to augment mobility. Licht provides a diverse selection of products, securing customization to the individual needs of the scooter user. Please bear in mind that the final decision on the scooter type rests with the user capable of making specific decisions, together with their healthcare professional (i.e., doctor, physical therapist, etc.), ensuring the choice is aligned with individual requirements.

This manual was created with the expectation that a mobility device expert has appropriately fitted the scooter to the user. At the same time, he/she has been assisted by the prescribing healthcare professional or the authorized Licht Provider in the instructional process for product use.

In particular scenarios, such as those related to specific medical conditions, having a trained attendant—a family member or care professional with specialised training in assisting scooter users in daily living activities—may be necessary.

As you start to use your scooter during daily activities, there may be a learning curve. Be patient, and soon you'll confidently navigate through doorways, lifts, ramps, and various terrains.

The following section outlines precautions, tips, and additional safety considerations, facilitating a smooth adaptation to the safe operation of your scooter.

MODIFICATIONS

Licht has meticulously designed and engineered your scooter to optimize mobility and utility. It is imperative, however, that you avoid making any modifications—whether adding, removing, or disabling features, parts, or functions of your scooter. Under no circumstances should any alterations be made to the original design.



WARNING: Do not engage in any modifications to your scooter without explicit authorisation from Licht. Unauthorized modifications may pose a serious risk of personal injury and significant damage to your scooter. Your safety is our top priority, and any alterations should strictly adhere to Licht's authorized guidelines.

II. YOUR SAFETY

REMOVABLE PARTS



WARNING: Do not try to lift or move your scooter using any of its removable parts. Doing so may result in personal injury and cause potential damage to the scooter. Adhere strictly to this warning to ensure your safety and your scooter's optimal performance.

ELECTROMAGNETIC FIELDS

It's essential to recognize that your scooter's road performance features may be influenced by electromagnetic fields generated by various sources, including cellular telephones, hand-held radios, radio and television stations, wireless computer links, microwave sources, and paging transmitters. Gain a comprehensive understanding of this aspect in Section III, titled "EMI-RFI."

PRE-RIDE SAFETY CHECK

Familiarize yourself with your scooter feels, its dynamics, and capabilities. Licht strongly recommends conducting a thorough safety check every time before you use it to guarantee your scooter's smooth and safe operation. Detailed guidelines on how to perform these vital inspections are available in XII. "Care and Maintenance Guidelines."

Before starting your ride, conduct the following inspections on your scooter:

- Confirm proper tire inflation (if equipped with pneumatic tires).
- Inspect all electrical connections. They should be tight and not corroded.
- Inspect all harness connections. Ensure they are all securely fastened.
- Examine the brakes for optimal functionality.
- Examine the battery charge.

Should any problems arise, immediately contact your authorized Licht Provider.

WEIGHT LIMITATIONS

Your scooter is designed with a specified maximum weight capacity. See details in the specifications table.



WARNING: Exceeding the weight capacity not only voids your warranty but also poses the risk of personal injury and potential damage to your scooter. Licht holds no responsibility for injuries or property damage resulting from failing to observe weight limitations.

II. YOUR SAFETY



WARNING: It is strongly advised not to carry passengers on your scooter, as doing so may result in personal injury and potential property damage. This clear emphasis is placed on securing your well-being and the longevity of your scooter.

INCLINE INFORMATION

A growing number of establishments have built ramps for safety and ease of access, up to a specified degree of inclination. Some ramps may have turning switchbacks (180-degree turns), that may demand for your good cornering skills on your scooter.

- Approach the downgrade of a ramp or incline with extreme caution. Navigate with care to ensure a safe and controlled descent.
- To prevent cutting the corners short, execute wide swings with your scooter around tight corners. Executing this guarantees that the scooter's rear wheels follow a wide arc, reducing the likelihood of collisions or becoming entangled on railing corners.
- When driving down a ramp, set the scooter's speed adjustment to the slowest setting. This precaution ensures a safely controlled descent, minimising the risk of accidents.
- Prioritise safety—avoid abrupt stops and starts on inclines. Opt for smooth, controlled movements for a safer ride.

BRAKING INFORMATION

The powerful brake systems inside your scooters are as follows:

Regenerative Braking:

Utilizing electricity, this brake system immediately slows the vehicle as the throttle control lever returns to the center stop position.

Disc Park Brake:

This is triggered mechanically after regenerative braking slows the vehicle to a near stop or when power is in any instance.

On inclines, keep your scooter moving when ascending. If you need to stop, restart gradually and accelerate cautiously. Set the Speed adjustment button to the slowest setting when descending an incline, and drive while moving forward only. If the descent goes faster than anticipated, stop by releasing the throttle lever and gently push it forward for a controlled and safe descent.



WARNING: Exercise extreme caution when ascending inclines—do not zigzag or take an angled approach. Drive your scooter directly up the incline to minimise the chance of tipping or falling. Remember, negotiating inclines requires constant vigilance and caution.

II. YOUR SAFETY



WARNING: Refrain from driving your scooter along the side of a hill or diagonally up or downhill. When driving up or down an incline, avoid stopping if possible. This is crucial to ensure the safety and stability of your scooter during hill navigation.



WARNING: Do not set your scooter in freewheel mode while on any incline or decline, whether you are seated on it or standing beside it.

WARNING: Despite the capability of your scooter to handle slopes beyond those illustrated in Figure 1, it is of utmost importance not to go beyond the incline guidelines or any other specifications provided in this manual. Overstepping these limits may compromise the stability of your scooter, potentially leading to personal injury and/or damage to the scooter.

Government regulations concerning handicapped public access ramps differ across countries, contributing to differences in the standard percent of slope. Moreover, inclines beyond these ramps, whether occurring naturally or crafted for purposes unrelated to scooters, might not be explicitly designed for scooter use. Figure 1 provides a visual representation of your scooter's stability and its capability to ascend grades under different weight loads, all meticulously tested under controlled conditions.

The tests involved positioning the scooter's seat at its highest setting and adjusting it rearward on the seat base to the farthest rearward position. Consider this information as a valuable guideline. The scooter's performance in ascending inclines is influenced by multiple factors, which include weight, the scooter's speed, specific setup, and the angle at which you approach the incline.

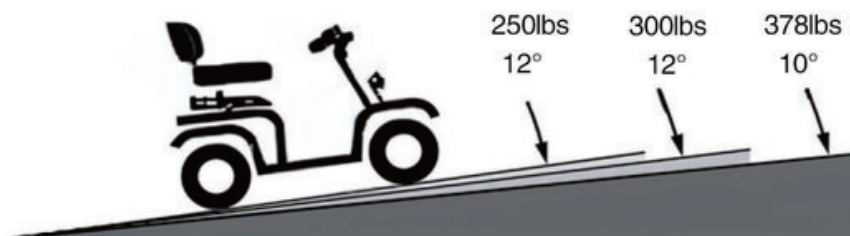


Figure 1: Maximum Recommended Incline Angles



WARNING: Avoid any efforts to climb or descend a slope steeper than indicated in Figure 1. Such attempts may place your scooter in an unstable position, posing a risk of tipping and heightening the risk of personal injury.

II. YOUR SAFETY



WARNING: It is strictly advised never to load the front basket of your scooter with contents exceeding 13 lbs. Adhering to this weight limit is essential to maintaining the stability and safe operation of your scooter during use.

Ensure optimal stability when approaching inclines by adopting a forward-leaning posture, as depicted in Figures 2 and 2A. This shift in posture effectively moves you and your scooter's center of gravity forward, ensuring enhanced stability for both you and your scooter during the incline



Figure 2: Standard Driving Position



Figure 2A: Enhanced Stability Position

CORNERING INFORMATION

When navigating corners, it's crucial to avoid excessively high speeds, as this could increase the risk of tipping. Multiple factors contribute to this risk, including but not limited to, steering angle, cornering speed, uneven road surfaces, inclined roads, transitioning from low to high traction areas (such as crossing over from an uneven surface to a smooth, well-paved road, particularly during a rapid turn), and sudden directional changes.

It's strongly discouraged to go at high cornering speeds. If there's a concern about potential tipping, take proactive measures by reducing speed and moderating the steering angle to ensure the stability of your scooter.



WARNING: When navigating sharp corners, prioritise safety by decreasing your speed. Moreover, when operating your scooter at higher speeds, exercise caution to avoid sharp cornering. This diminishes the risk of tipping or falling. Always apply common sense as a fundamental principle to safeguard against personal injury or property damage while navigating corners.

II. YOUR SAFETY

OUTDOOR DRIVING SURFACES

Licht acknowledges the diversity of outdoor environments while your scooter is carefully designed for optimal stability on typical surfaces under dry conditions. Such surfaces can be dry, level concrete, blacktop, or asphalt. Recognising that you may encounter various surfaces, your scooter is thoughtfully engineered to perform exceptionally well on packed soil, grass, and gravel. You can confidently and safely use your scooter on lawns and in parks, without compromising performance.

- Slow down on bumpy surfaces or soft ground for safer navigation.
- Steer clear of tall grass to prevent it from getting caught in the running gear.
- Ensure a trouble-free ride by avoiding loosely packed gravel and sand.
- If unsure about a surface, exercise caution and choose an alternative route.

PUBLIC STREETS AND ROADWAYS



WARNING: Do not operate your scooter in public areas. Avoid public streets and roadways due to potential challenges for other road users to see you. Exercise caution by obeying local pedestrian traffic rules and proceeding only when the path is clear of traffic.

STATIONARY OBSTACLES (STEPS, CURBS, ETC.)



WARNING: Avoid driving near raised surfaces, unprotected ledges, and drop-offs such as curbs, porches, and stairs. Prioritise caution to prevent potential hazards.

WARNING: Avoid attempting to navigate your scooter over obstacles with exceptionally high heights, whether ascending or descending.

This is to prevent any serious personal injury and potential damage.



WARNING: Exercise utmost caution and refrain from attempting to maneuver your scooter backward down steps, curbs, or any obstacle. This action may cause the scooter to tip and present a potential threat of serious personal injury.

II. YOUR SAFETY



WARNING: To safely navigate a curb, ensure your scooter approaches it at a right angle when going up or down. This is essential for safe and secure maneuvering. For reference, check Figures 3 and 3A.

WARNING: Do not attempt to navigate a curb exceeding 2 inches in height.

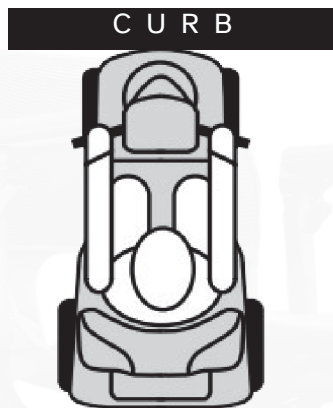


Figure 3. Right Curb Approach

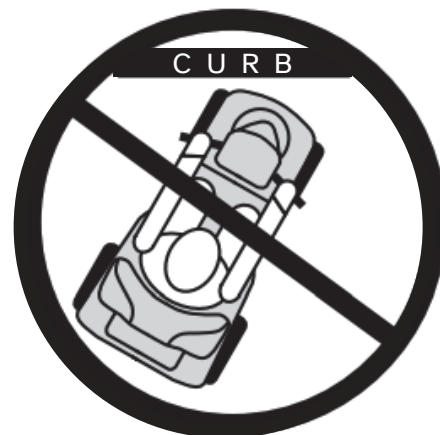


Figure 3A. Wrong Curb Approach

INCLEMENT WEATHER PRECAUTIONS



WARNING: Licht Technology strongly discourages operating your scooter in icy or slippery conditions, especially on surfaces treated with salt, such as walks or roads. Failure to follow this advice may result in accidents, personal injury, and a potential compromise in scooter performance and safety.

WARNING: Avoid storing and operating your scooter in areas exposed to inclement weather, such as rain, snow, mist, and below-freezing temperatures. This is crucial when considering storage on an outside car/van lift, as exposure to these conditions may lead to damage to the electronics and potential loss of control.

FREEWHEEL MODE

Your scooter comes with a manual freewheel lever. By pushing the lever forward, it allows you to move the scooter conveniently. Refer to V. "Your Scooter" for detailed instructions on how to engage and disengage the freewheel mode.

II. YOUR SAFETY



WARNING: In freewheel mode, your scooter's braking system is disengaged. This implies that braking functions are inactive. Therefore you need to exercise additional caution.

- Safely disengage the drive motors only when your scooter is on a level surface.
- Activate or deactivate freewheel mode by standing behind the scooter, not while seated, for safety reasons.
- After pushing your scooter, always return it to drive mode. This secures the brakes, ensuring safe and controlled operation.

Not following the above instructions may lead to personal injury and/or damage to your scooter. Abide by these guidelines for your safety.

STAIR AND ESCALATORS

Scooters are not suitable for stairs or escalators. Choose to use an elevator every time.



WARNING: Do not attempt to use your scooter on steps or escalators, to prevent any injury to yourself and/or others, and/or damage to your scooter.

DOORS

- Check the door, if it opens toward or away from you for a smooth exit.
- Open the door by turning the knob, pushing the handle, or using the push bar with your hand.
- Gently drive your scooter forward to push the door open. You can also drive the scooter rearwards to pull the door open for a slow and controlled movement.

ELEVATORS

Elevators today come with a door edge safety mechanism that automatically reopens the door when pushed.

- Exercise caution to avoid trapping yourself in the elevator doors. If the doors start closing and you're in the doorway, push on the rubber door edge or let it touch your scooter to trigger the reopening.
- Maintain safe practices in elevators by preventing items like pocketbooks, packages, or scooter accessories from getting caught in the doors. This helps you to have a secure and hassle-free elevator experience.

II. YOUR SAFETY

LIFT/ ELEVATION PRODUCTS

If you plan to travel with your scooter, consider using a lift/elevation product to help you during transportation. Before using any lift, carefully review the instructions, specifications, and safety details provided by the Lift manufacturer to ensure your safety.



WARNING: Do not sit on your scooter while connected to any lift/elevation product. Your scooter wasn't built for this purpose, and Licht is not liable for any harm or damage caused by such usage.

BATTERIES

Apart from the warnings listed, observe all other information provided for proper battery handling.



WARNING: Keep batteries from freezing, and never swap a frozen battery. Charging a frozen battery could cause personal injury and/or battery damage.

WARNING: DO NOT charge the Lithium battery when the temperature is above 105°F (40°C). High temperatures can cause the battery to overheat. Charge the battery at room temperature.



WARNING: Owners **MUST NOT** remove the Lithium batteries from the battery box. Doing this will void the battery warranty and could pose potential safety hazards.

II. YOUR SAFETY

BATTERY DISPOSAL AND RECYCLING

For a damaged or cracked battery, contact your authorised Licht Technology Provider for disposal instructions.

MOTOR VEHICLE TRANSPORT

To this date, there are no approved standards for tie-down systems in any moving vehicle to transport someone seated in a scooter.

While your scooter may have a positioning belt, it's not built to secure you during motor vehicle transport. Still use securely fastened safety belts to secure yourself in a motor vehicle seat.



WARNING: To avoid personal injury and property damage, never sit on your scooter while the scooter is in a moving vehicle.

WARNING: When transporting, always double-check that your scooter and its batteries are properly secured. This is necessary to avoid personal injury or damage to your scooter.

PREVENTING UNINTENDED MOVEMENT



WARNING: Switch off the power if you expect to be seated without movement for an extended period. This is to prevent unintended motion from accidental throttle control lever contact. Neglecting this may lead to personal injury.

GETTING ON AND OFF OF YOUR SCOOTER

Ensuring a good sense of balance is essential when getting on and off your scooter. Navigate these actions securely by adhering to these safety tips.

- Double-check that your scooter is not in freewheel mode by following instructions in section V. "Your Scooter" to ensure accurate mode selection.
- Confirm the seat is securely locked in place.



WARNING: Position yourself towards the rear of the scooter seat and reducing the risk of the scooter from tipping, reducing the risk of injury.

II. YOUR SAFETY



WARNING: For preventive measures, do not use the armrests for weight bearing. This may cause the scooter to tip and pose a risk of personal injury.

WARNING: Be cautious about where you place your weight on the scooter. Avoid concentrating it all on the floorboard to prevent tipping, resulting in personal injury.

REACHING AND BENDING

Be mindful of your limitations when reaching or bending on your scooter. Avoid reaching, bending, or leaning too much on your scooter without maintaining a stable center of gravity. Licht recommends the user consult a qualified healthcare professional before executing these movements to ensure a safer experience.



WARNING: Refrain from bending, leaning, or reaching down between your knees for objects. Such movements may change your center of gravity and the scooter's balance, increasing the risk of tipping. Stay cautious and keep your hands clear of the tires while driving for added safety.

EMC, WIRELESS, ELECTRICAL, MECHANICAL, AND THERMAL SAFETY

WARNING: Devices that emit radio-frequency (RF) signals, such as RFID readers, security systems (metal detectors, electronic article surveillance), and near-field communications (NFC) systems, may produce electromagnetic interference (EMI). Other devices include wireless power transfers (WPT) and unique medical emitters (diathermy equipment, electrocautery, MRI, and electrosurgical units). Please avoid close contact with these while using your scooter.

II. YOUR SAFETY

GUIDELINES BEFORE USING YOUR SCOOTER (with Pinch Point Warnings)

Please use the following guidelines to ensure safety during assembly or disassembly of your scooter.



Seat Post Assembly and Disassembly:

1. Keep your hands away from the seat as you insert the seat post into the slot.
2. Firmly secure the seat lock once positioned and verify no fingers are near the locking mechanism.
3. Before using the scooter, double-check that the seat is locked to prevent any shifting or movement.
4. During disassembly, carefully check that the fingers and hands are far from the seat base and locking mechanism while gently lifting the seat off its post.
5. When removing the seat, set the scooter down in a secure area to avoid unexpected movements or shifts.



Transaxle:

1. Carefully engage the transaxle release lever without placing hands or fingers close to moving parts during disassembly.
2. Remove cables thoroughly to avoid any damage to wires or injuries.
3. Firmly hold the shroud but away from the latch when securing or releasing it.



Wheel and Brake:

1. Avoid placing hands, feet, or loose clothing near the wheels or brake areas in motion.
2. Never touch the wheel or brake components immediately after use, as they may be hot.

II. YOUR SAFETY



Electrical Components:

1. Ensure all your electrical components are free from moisture. If any of these items become exposed to moisture, let them dry thoroughly before trying to operate your scooter again.



III. EMI/RFI

EMI/RFI

Ensuring a good sense of balance is essential when getting on and off your scooter. Navigate these actions securely by adhering to these safety tips.



WARNING! Be vigilant and protect your scooter from potential disruptions, as radio waves may interfere with the scooter control.

Know that the intensity of electromagnetic energy (EM) is higher near transmitting antennas. Radio waves are a specific type of electromagnetic energy (EM), and can be emitted from antennas of different sources. Source examples are cellular phones, amateur radio (HAM) transmitters, mobile two-way radios (such as walkie-talkies and CBs), radio and TV stations, wireless computer links, microwaves, and paging transmitters. As the transmission strength increases, so does the potential impact on electric mobility vehicle users.

Understand that the motion of your electric mobility vehicle might become unpredictable when affected by EMI/RFI. This unpredictability could lead to sudden stops or uncontrolled movements. Being mindful of safety risks associated with EMI/RFI, such as erratic motion and potential brake release, is crucial for a safer and more controlled experience with your electric mobility vehicle.

SAFETY PRECAUTIONS

Take proactive steps to minimise the risk of EMI/RFI affecting your mobility vehicle. Follow these guidelines to ensure a secure and controlled experience with your mobility vehicle:

- Switch off hand-held communication devices such as citizen's band (CB) radios and cell phones for your safety while using your mobility vehicle.
- Be attentive to nearby radio wave transmitters, like radio or TV stations, and hand-held or mobile two-way radios. Ensure safe operation by maintaining a safe distance from these transmitters. For instance, prioritise safety by securing at least three feet away from hand-held two-way radios and ten feet from mobile two-way radios.
- Determine that incorporating accessories, components, or modifying your mobility vehicle may alter its EMI/RFI resistance level, potentially increasing vulnerability to interference from radio wave sources.

What should I do if my scooter suddenly starts moving?

In case of unintended motion or brake release, act immediately. Switch off your scooter quickly by pressing the menu button for 3 seconds.

III. EMI/RFI

Where should I report if my scooter starts to move unexpectedly?

Please contact your authorize Licht Technology Provider to report the incident.



IV. SPECIFICATIONS OVERVIEW

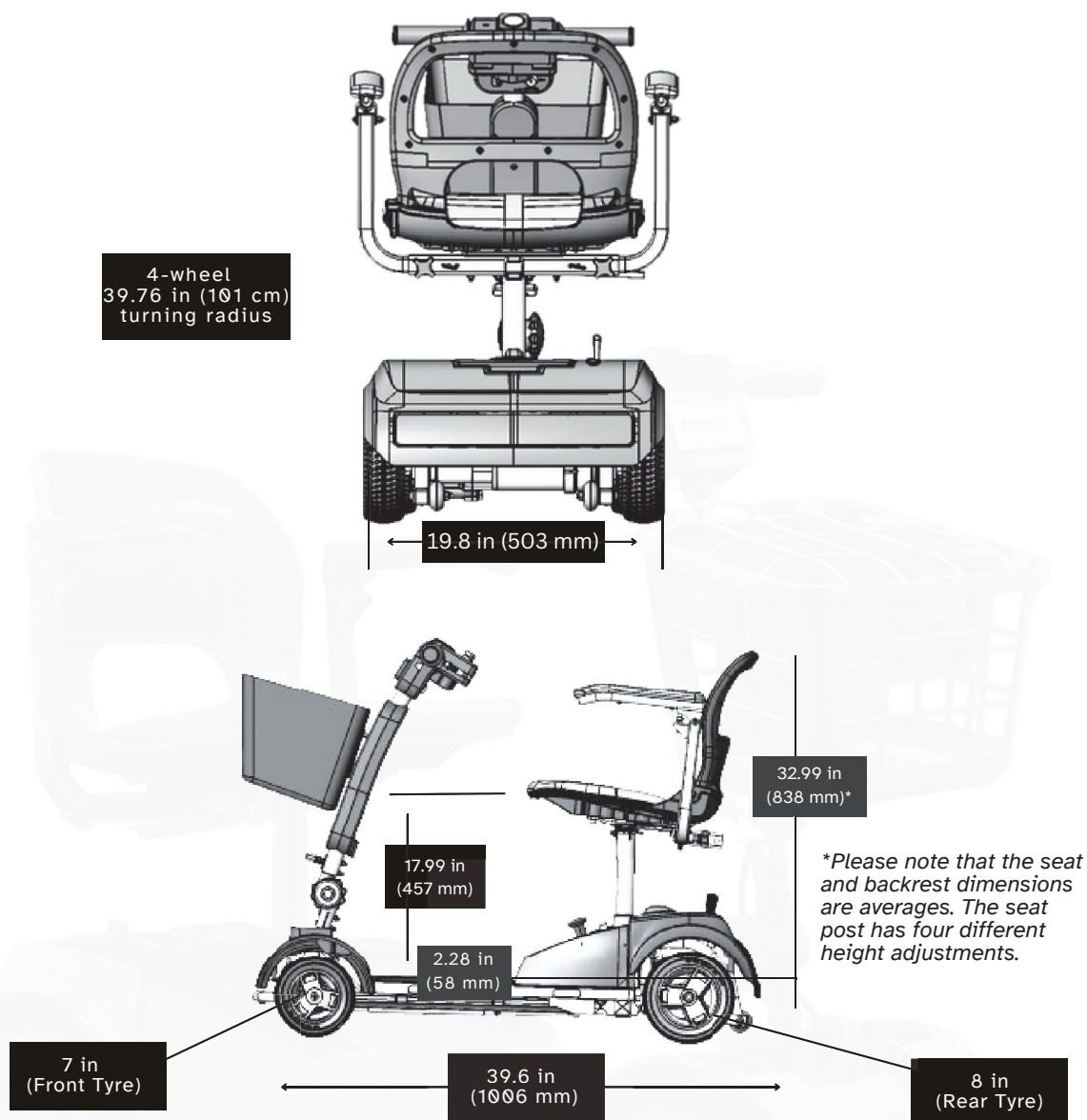


Figure 4. Scooter Dimensions on Average

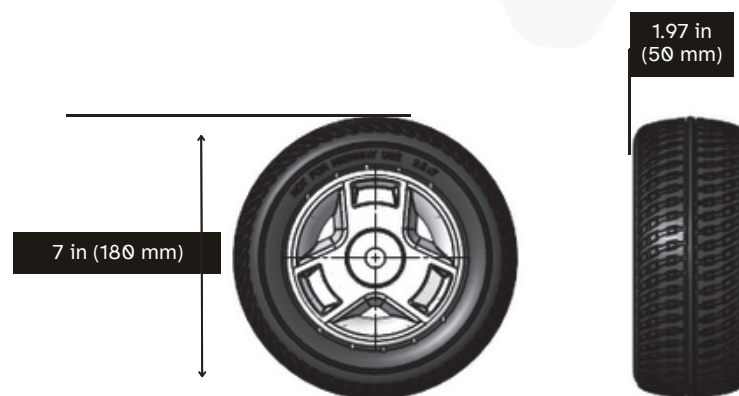


Figure 4A. Front Tyre Dimensions

IV. SPECIFICATIONS OVERVIEW

SPECIFICATIONS

DESCRIPTION	DETAILS
Model Number	PS30.2
Colours	Cherry Red, Neptune Blue, Sunburst Orange
Overall Length	39.6 in (100.6 cm)
Overall Width	19.8 in (50.3 cm)
Total Weight Without Battery Pack	65 lbs (29.48 kg)
Heaviest Piece When Disassembled	Front Deck 24.75 lbs (11.23 kg)
Turning Radius	39.76 in (101 cm)
Speed (Maximum)	Variable up to 4 mph (6.5 km/h)
Range Per Charge*	With 12 AH batteries Up to 13.67 miles With 25 AH batteries Up to 25.91 miles
Ground Clearance	2.25 in (5.72 cm)
Weight Capacity	378 lbs (171.5 kg)
Standard Seating	Type: Foldable vinyl covered molded foam Dimensions: width 17 in (43.18 cm), depth (usable) 16 in (40.64 cm), height 13.5 in (34.29 cm) Material: Black Vinyl
Drive System	Rear-wheel drive, sealed mini transaxle, 24 volt DC motor
Dual Braking System	Electronic, regenerative, and electromechanical
Tyres	Types: solid; front :7 in (180 mm); rear: 8 in (200 mm)
Battery Requirements	Type: One (1) 24 volt, deep cycle, Ternary
Battery Charger	2-amp, off-board battery charger

**Factors, like user weight, terrain type, battery condition, and tyre condition contribute to performance variations.*

V. YOUR SCOOTER

Main interface

The schematic diagram of the main interface of Main interface instrument is as follows: See Figure 5 for reference.



WARNING! Keep the tiller console away from moisture. If it does, wait until it's dried completely before using your scooter to avoid potential damage.

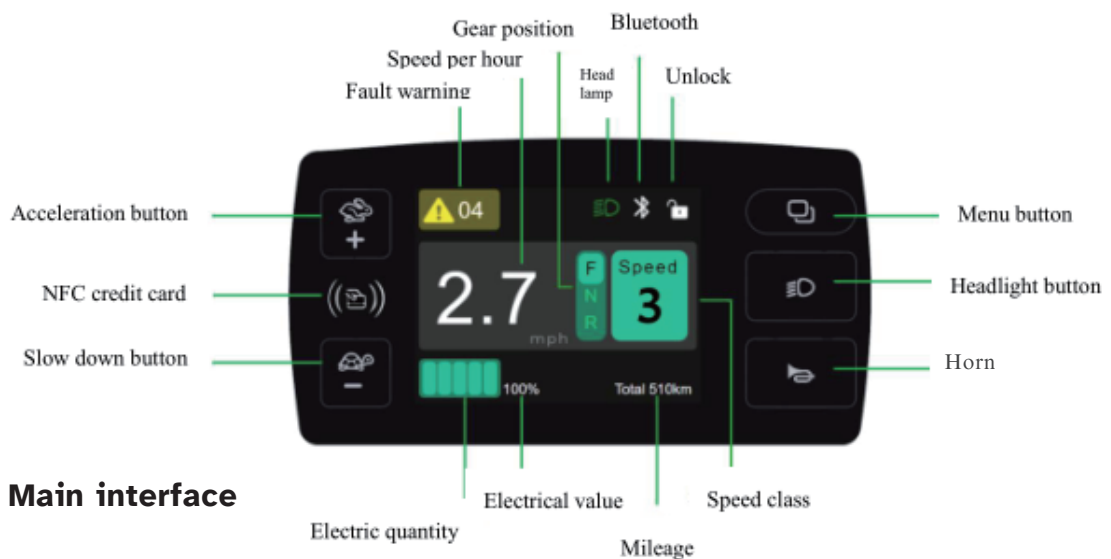


Figure 5. Main interface

Start: press any button on the display panel to illuminate the LCD and initiate device activation via the key card.

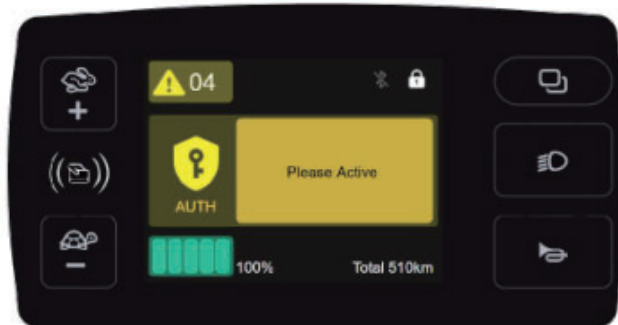
Operate: Press Menu Button

- 1st Press: Change speed measurement mode
- 2nd Press: The hour meter display interface
- 3rd Press: The alarm information interface
- 4th Press: Bluetooth information interface
- 5th Press: The parameter setting interface
- 6th Press: Return to the main interface

V. YOUR SCOOTER

Login interface

When the scooter powers on, the main interface instrument will show the login/activation screen. Activate the scooter by swiping an authorized card and a Bluetooth-enabled device. Once activated, the main interface will load, and the scooter is now ready to use.

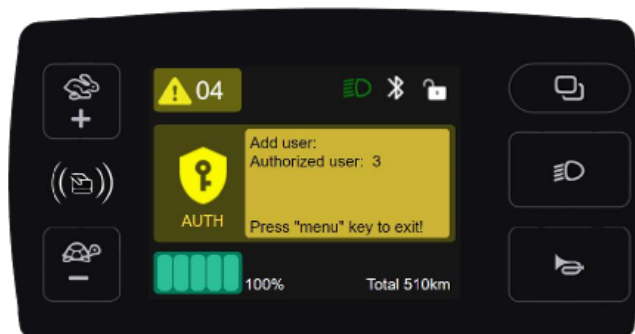


1. Card Swipe Procedure

- Use the provided NFC card and tap it on the NFC card reader. Wait for confirmation before going on the next step.

2. Bluetooth Connection Procedure

- **Initial Activation:** To use the scooter for the first time, you need an initial activation before accessing the main interface.
- **Access Bluetooth Settings:** Press the menu button three times to enter the Bluetooth settings screen.
- **View Device Info:** On the Bluetooth information screen, the device will show the scooter's Bluetooth name and pairing code.
- **Pair with Mobile Device:** Pair your mobile phone with the scooter by entering the displayed pairing code.
- **Activate the Scooter:** Once the pairing is successful, activate the meter and begin using the scooter.
- **Automatic Connection:** After this process, the scooter will automatically connect to the paired device if the meter is activated and the paired device has Bluetooth enabled.



3. Adding a New User

- **Enter New User Interface:** To add a new user, press and hold the menu button and headlight button simultaneously for 1.5 seconds to access the new user interface.
- **View Current Users:** The interface will then display the current number of existing users.
- **Bind a New NFC Card:** Link a new unbound NFC card to the new user interface by placing it near the meter's card reader.

V. YOUR SCOOTER

Error Codes and Troubleshooting

Flashing Times	Fault	Solution
1	Low Voltage	1. Confirm the battery output voltage matches your scooter's recommended specifications. 2. Check all battery cables and connections for any loose plugs, corrosion, or broken connectors. See to it that they are also firmly attached and undamaged. 3. Replace the controller if the scooter still shows an error message after verifying the voltage and wiring.
2	High Voltage	1. Inspect the battery connections. Unplug and reseal battery connectors. Look for loose pins, corrosion, broken wires, or signs of overheating. 2. Measure the battery voltage and check if it's within the scooter's specified operating range. 3. Check the battery's overvoltage threshold settings and adjust them if needed.
3	Low/ High Voltage Travel Restriction or Abnormal Controller Temperature	1. Check the battery voltage to ensure it is within the scooter's recommended specifications. 2. Verify if the overvoltage threshold is correct. 3. If the motor temperature becomes too hot, stop using the scooter for a while. Let it cool down and then restart the scooter.
4	Abnormal Electrical Brake	1. Inspect if the electromagnetic brake engages or disengages correctly. Look for any wear, loose parts, or any obstructions. 2. Check the control-coil wiring harness for loose pins, broken wires, or corrosion. 3. If the brake and coil wiring tests were ok and the issue persists, replace the controller.
5	Throttle Not Operating Normally	1. Release the throttle right away. Engage the parking brake and bring the scooter to level ground. 2. Turn the scooter off and check the throttle harness connectors and wiring for damage or loose contacts.
6	Faulty Throttle	1. Check if the throttle wiring harness is fully connected and undamaged. 2. Replace the throttle module if the scooter still shows issues despite the wiring being intact.
7	Motor Malfunction	1. Check the motor to confirm there are no open circuits in the motor or its wiring.
8	Other	1. Do a complete vehicle check. Include the scooter frame, battery, wiring, wheels, and controls to ensure everything is working. Look for existing mechanical or electrical issues.

V. YOUR SCOOTER

Hour meter display interface

The Main interface hour meter displays the current cumulative usage time information on the hour meter interface.



Alarm information display interface

The Main interface instrument displays the current alarm code and alarm description on the alarm display interface.



Bluetooth information display interface

The Main interface instrument displays the Bluetooth name and Bluetooth pairing code of the current device under the Bluetooth information interface. After the user successfully pairs the instrument with the mobile phone through Bluetooth, he can activate the scooter through Bluetooth.



V. YOUR SCOOTER

Parameter setting interface

Main interface instrument is in the parameter setting interface; The following key functions are multiplexed; The corresponding relationship is as follows:

- Acceleration button: parameter item flips up
- Deceleration button: flip down the parameter items
- Headlight button: parameter switching
- Warning button: confirmation function
- Menu key: Return or Cancel



Take "headlight function" as an example: after entering the parameter setting page, press the headlight button. The main interface parameter display is changed to "battery capacity". Press again to display "Headlamp Function": Select parameters and press the warning button.

Speed Gear Switching

When the speed increase button is pressed, the speed level increases, and the highest speed level is 4.

When the speed reduction button is pressed, the speed level decreases, and the lowest speed level is level 1.

Speed Rating Comparison Information:

Speed Class	Speed range	Units
1	0.0-1.0	mph
2	1.0-2.0	mph
3	2.0-3.0	mph
4	3.0-4.0	mph

V. YOUR SCOOTER

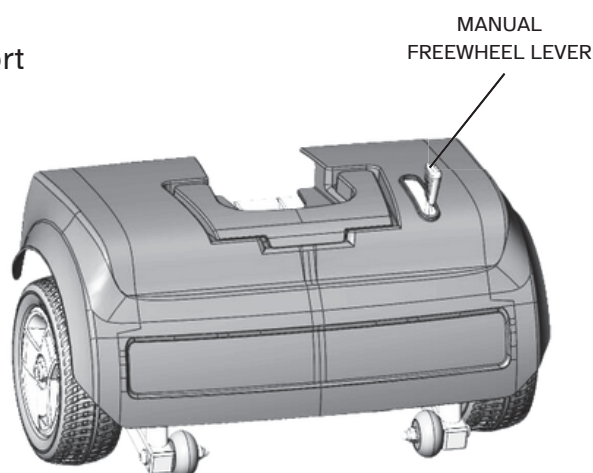
REAR SECTION

When you want to push your scooter over short distances, you can simply set it on freewheel mode for quick and easy movement.

Manual Freewheel Lever

When you want to push your scooter over short distances, you can simply set it on freewheel mode for quick and easy movement.

- You can find the manual freewheel lever at the top right of the rear section.
- Switch off both the drive and brake systems by pushing the manual freewheel lever forward
- Begin pushing your scooter now
- Re-engage the drive and brake systems by pushing the manual freewheel lever backward, removing your scooter from freewheel mode.



ATTENTION: If your scooter is in freewheel mode, remember the brakes are off. Ensure to exercise caution.

- Make sure to disengage the drive motors only on a flat surface.
- Always stand behind the scooter when activating or deactivating freewheel mode. Do not do this while sitting on the scooter.
- Once you're done pushing your scooter, switch it back to drive mode to secure the brakes.

Please take these instructions carefully. Failure to do so may result in personal injury or damage to your scooter.

V. YOUR SCOOTER

Anti-Tip Wheels

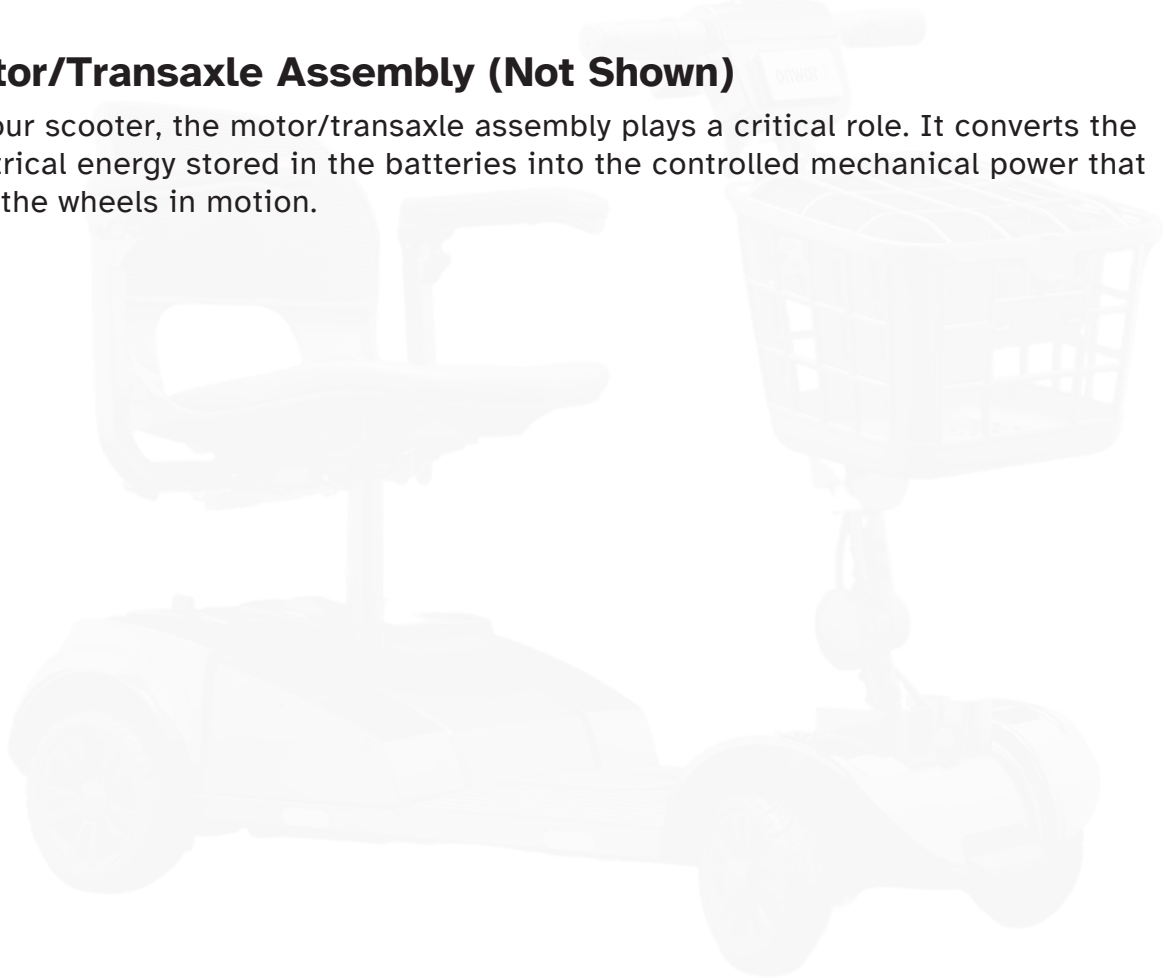
Do not, under any circumstances, take off the anti-tip wheels from your scooter. They are vital for your safety.



WARNING! Do not remove the anti-tip wheels or alter anything on your scooter without Licht's authorisation.

Motor/Transaxle Assembly (Not Shown)

In your scooter, the motor/transaxle assembly plays a critical role. It converts the electrical energy stored in the batteries into the controlled mechanical power that sets the wheels in motion.



V. YOUR SCOOTER

BATTERY PACK

You can easily remove your scooter's battery pack, thanks to its innovative design. Lift it effortlessly with one hand using the handle above. Inside the battery pack, you'll find one 24-volt 12 AH or 24-volt 25 AH battery, the charger power cord receptacle, and the main circuit breaker (reset button). Refer to Figure 7.

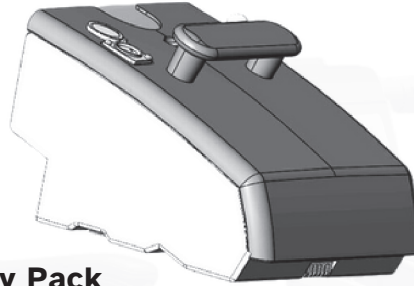


Figure 7. Battery Pack

Charger Power Cord Receptacle

Connect your scooter's 3-pin off-board charger plug right into this receptacle for charging.

Main Circuit Breaker (Reset Button)

When your scooter's batteries run low on voltage or under heavy strain due to steep inclines or excessive loads, the main circuit breaker may trip. This is to protect the motor and electronics from potential damage.

- When the breaker trips, the main circuit reset button pops out, indicating the need for a reset.
- If the breaker trips, your scooter's entire electrical system will shut down.
- Give your scooter's electronics one to two minutes "rest" to allow for a reset.
- Reset the main circuit breaker by firmly pushing the reset button.
- Should the main circuit breaker trip often, consider charging your batteries more often. Consider contacting your authorized Licht Technology Provider for a load test on your scooter's batteries if needed.

OFF-BOARD BATTERY CHARGER

To charge your scooter's batteries, plug the off-board battery charger into the charger power cord receptacle on the battery pack and in a standard wall outlet. See Figure 7A for reference.



Figure 7A. Off-Board Battery Charger

VI. BATTERIES AND CHARGING

Your scooter comes with one sealed, maintenance-free 12AH or 25AH battery.

- Before your first ride, make sure to charge the battery of your scooter.
- Maintain your scooter's optimal performance by keeping the battery fully charged.

READING YOUR BATTERY VOLTAGE

Color coding is used on the battery condition meter of the tiller console for an easy battery status update. Green denotes full charge, yellow indicates a draining charge, and red means an immediate recharge is needed. Check Figure 8 for details.

Check the battery strength while charging by unplugging the charger power cord and powering up your scooter with the key card.



Figure 8. Battery Condition Meter

NOTE: For the most precise reading, check the battery condition meter while you ride your scooter at full speed on a flat surface.

CHARGING YOUR BATTERIES



WARNING: Do not use an extension cord with your battery charger. Always plug the charger directly into a properly wired standard wall outlet.

WARNING: Removing the grounding prong is risky and can cause an electrical hazard. If necessary, install an approved 3-prong adaptor correctly into a 2-pronged plug outlet. Disregarding this caution may result in personal injury and/or property damage.

WARNING: Do not use any other charger than the one supplied with the scooter. These are Lithium batteries - not Lead Acid.

You have the option to charge the scooter's battery pack either on or off the scooter.

Here are simple steps to safely charge your batteries:

1. Put your scooter near a standard wall outlet.
2. Ensure the manual freewheel lever is in the drive (pushed back) position.
3. Take off the cover from the charger power cord receptacle, then plug in the 3-pin off-board charger power cord.
4. Stretch out the charger power cord from the off-board charger and insert it into the wall outlet. Follow this with an 8 to 14-hour battery charge, as recommended:

VI. BATTERIES AND CHARGING

- Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.
- Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.
- Do not allow unsupervised children to play near the Travel Scooter while the batteries are charging. We recommend that you do not charge the batteries while the Travel Scooter is occupied.
- Read the battery charging instructions in this manual before charging the batteries.
- Explosive gases may be generated while charging the batteries. Keep the Travel Scooter and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.
- You must recharge your Travel Scooter's batteries with the supplied off-board charger. Do not use an automotive-type battery charger.
- Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorised Provider if damage is found.
- Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorised Provider.
- If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.
- Be aware that the battery charger case may become hot during charging. Avoid skin contact and do not place on surfaces that may be affected by heat.
- Do not expose the battery charger to adverse or extreme weather conditions. Please refer to the manual supplied with the battery charger for more information.

5. Once your batteries are completely charged, disconnect the off-board charger power cord from the wall outlet and then from the charger power cord receptacle.

6. Place the cover back on the charger power cord receptacle.

NOTE: Your Scooter comes with a charger inhibit function. The scooter won't run and the battery condition meter won't work if the charger cord remains connected to the battery pack.

VI. BATTERIES AND CHARGING

FREQUENTLY ASKED QUESTIONS (FAQs)

How does the charger work?

As your scooter's battery voltage drops, the charger increases its output, sending additional electrical current to boost the battery charge. When nearing full charge, your scooter's charger reduces the flow of electrical current to the batteries.

Once your scooter's batteries are fully charged, the charger delivers nearly zero amperage. This maintains the charge without the risk of overcharging. It is not recommended to charge your scooter's batteries for more than 24 consecutive hours.

What if my scooter's batteries won't charge?

- Make sure both ends of the charger power cord are fully inserted.

How often must I charge the batteries?

Consider two key factors when determining how often to charge your scooter's batteries.

- Scooter use is an all-day, everyday activity.
- Using your scooter irregularly or on an occasional basis.

Using these considerations, you can determine the optimal charging schedule for your scooter's batteries. Our off-board charger is built to prevent overcharging, ensuring the longevity of your scooter's batteries.

Problems may arise if you don't charge your batteries often and maintain a regular charging schedule. The following guidelines below are essential to maintaining a safe and reliable charging and battery operation:

- For optimal performance, charge your scooter's batteries for 8-14 hours after your daily usage.
- If your scooter is used once a week or less, keep its batteries in optimal condition by charging for 12 to 14 hours at least once weekly.
- Keep your scooter's batteries at full charge to maximise their operational efficiency.
- Ensure a longer battery lifespan by avoiding deep discharges on your scooter's power source.
- Preserve battery longevity by adhering to the 24-hour charging limit for your scooter.

How can I get maximum range or distance per charge?

Don't expect perfect driving conditions. Roads are typically bumpy, with hills, cracks, and uneven surfaces. In addition to all these, curves and wind also play a role in affecting the distance or running time per battery charge.

VI. BATTERIES AND CHARGING

To achieve the maximum range per battery charge, you can follow these tips:

- Before using your scooter, make certain that the batteries are fully charged.
- Before you hit the road, plan your route strategically to avoid as many hills, cracked surfaces, broken paths, or soft ground as possible.
- Keep it light by including only essential items in your baggage.
- Aim to keep a steady speed while your scooter is moving.
- Keep your driving smooth by avoiding frequent stops and starts.

What about public transportation?

Contact the transportation provider beforehand if you plan to use public transportation with your scooter to understand their specific requirements.



WARNING: Be aware that batteries contain corrosive chemicals. To minimise the risk of leakage or explosive conditions, only use Ternary batteries.

NOTE: Sealed batteries are non-serviceable. Do not attempt to remove the caps.

Utilize these specifications when reordering deep-cycle batteries from your authorized Licht Provider.

Battery Specifications		
Type	Ternary Lithium	
Voltage	24 volts	
Size	12 AH	25 AH

Why do my new batteries seem weak?

Unlike car batteries, nickel-cadmium batteries (nicads), and other common battery types, deep-cycle batteries use a different chemical technology. The design of deep-cycle batteries is focused on delivering power, undergoing discharge, and then accepting a relatively swift recharge.

We hold a close working relationship with our battery manufacturer to deliver batteries ideally suited to your scooter's specific electrical needs. Licht receives fresh batteries daily.

VI. BATTERIES AND CHARGING

While in transit, batteries may experience temperature extremes that can affect their initial performance. Heat can reduce the battery charge, while cold slows down available power and extends the recharge time.

It could take a few days for your scooter's batteries to stabilize and acclimatise to the new room or ambient temperature.

To ensure peak performance and a long life for a deep-cycle battery, it is essential to undergo a few charging cycles, involving partial draining followed by full recharging to establish the critical chemical balance.

Properly break in your scooter's new batteries and maximise efficiency and service life by following these steps:

1. Charge your new battery fully before using it for the first time. This initial charging process brings the battery to around 88% of its best performance.
2. When using your new scooter, stick to familiar and safe areas. Start driving slowly, and avoid going too far from your home or familiar surroundings until you become accustomed to your scooter's controls.
3. Make sure to fully recharge the batteries, bringing them to over 90% of their peak performance.
4. Start using your scooter again.
5. Perform a full recharge of the batteries again.
6. Following four or five charging cycles, the batteries can then, reach a 100% charge of their peak performance, providing an extended usage time.

How can I ensure maximum battery life?

When fully charged, deep-cycle batteries offer reliable performance and a longer battery life. Whenever you can, make sure to keep your scooter's batteries fully charged.

Regularly and deeply discharging, infrequently charging, or storing batteries without a full charge can cause permanent damage, leading to unreliable performance and limited service life.

What would be the proper way to store my scooter and its batteries?

Refer to XII. "Care and Maintenance Guidelines."

REPLACING YOUR SCOOTER'S BATTERIES



WARNING: Remember that battery posts, terminals, and related accessories contain lead and lead compounds. Remember to wash your hands after handling.

VI. BATTERIES AND CHARGING

BATTERY RETURN PROCEDURE

If you encounter a damaged or cracked battery, immediately contact your authorised Provider for instructions on disposal and battery recycling or your local waste disposal agency, on the recommended course of action.

BATTERY REPLACEMENT PROCEDURE

1. Contact your local Licht Technology authorised dealer or visit: <https://onwardability.com> to order a replacement battery.
2. Order your replacement battery.
3. Once your new battery arrives, carefully remove its packaging.
4. Do NOT destroy or discard the cardboard packaging.
5. Install the new battery onto your scooter.
6. Charge your scooter's battery for at least 8 to 14 hours prior to using it for the first time.
7. Charge your battery fully, then install the new battery into the scooter.

BATTERY DISPOSAL AND RECYCLING

In case of a damaged or cracked battery, seal it in a plastic bag immediately and contact your authorised Licht Technology Provider.

VII. OPERATION GUIDELINES

BEFORE GETTING ONTO YOUR SCOOTER

- Did you fully charge the batteries? Refer to VI, "Batteries and Charging."
- Check if the manual freewheel lever is in the drive (backward) position. Avoid leaving the manual freewheel lever pushed forward unless you need to move your scooter by hand.
- Ensure the tiller lock knob is unlocked. Refer to IX, "Disassembly and Assembly."

GETTING ON YOUR SCOOTER

1. Position yourself at the side of your scooter.
2. Ensure the seat is securely locked in position.
3. Sit securely and comfortably in the seat.
4. Check that your feet are safely resting on the floorboard.

PRE-RIDE ADJUSTMENTS AND CHECKS

- Are you comfortably seated?
- Is the seat adjusted to the correct height?
- Check if the seat is securely locked in position.
- Have you adjusted the tiller to a comfortable setting and securely locked it? Refer to Section VIII, "Comfort Adjustments."
- Check Section V, "Your Scooter."
- Is the scooter's horn working properly?
- Are there any people, pets, or obstacles on the path you're considering to take?
- Did you plan your route to steer clear of difficult terrain and minimise encounters with inclines?

OPERATING YOUR SCOOTER

Once you've mapped out your route:

- Choose your preferred speed using the speed adjustment button.
- Use your thumb to press against the preferred throttle control lever.
- Once the electromechanical disc park brake automatically disengages, the scooter seamlessly accelerates to your set speed using the speed adjustment dial.
- Steer your scooter to the left by pulling on the left handgrip.
- Steer your scooter to the right by pulling on the right handgrip.
- Drive straight by moving the tiller to the center position.

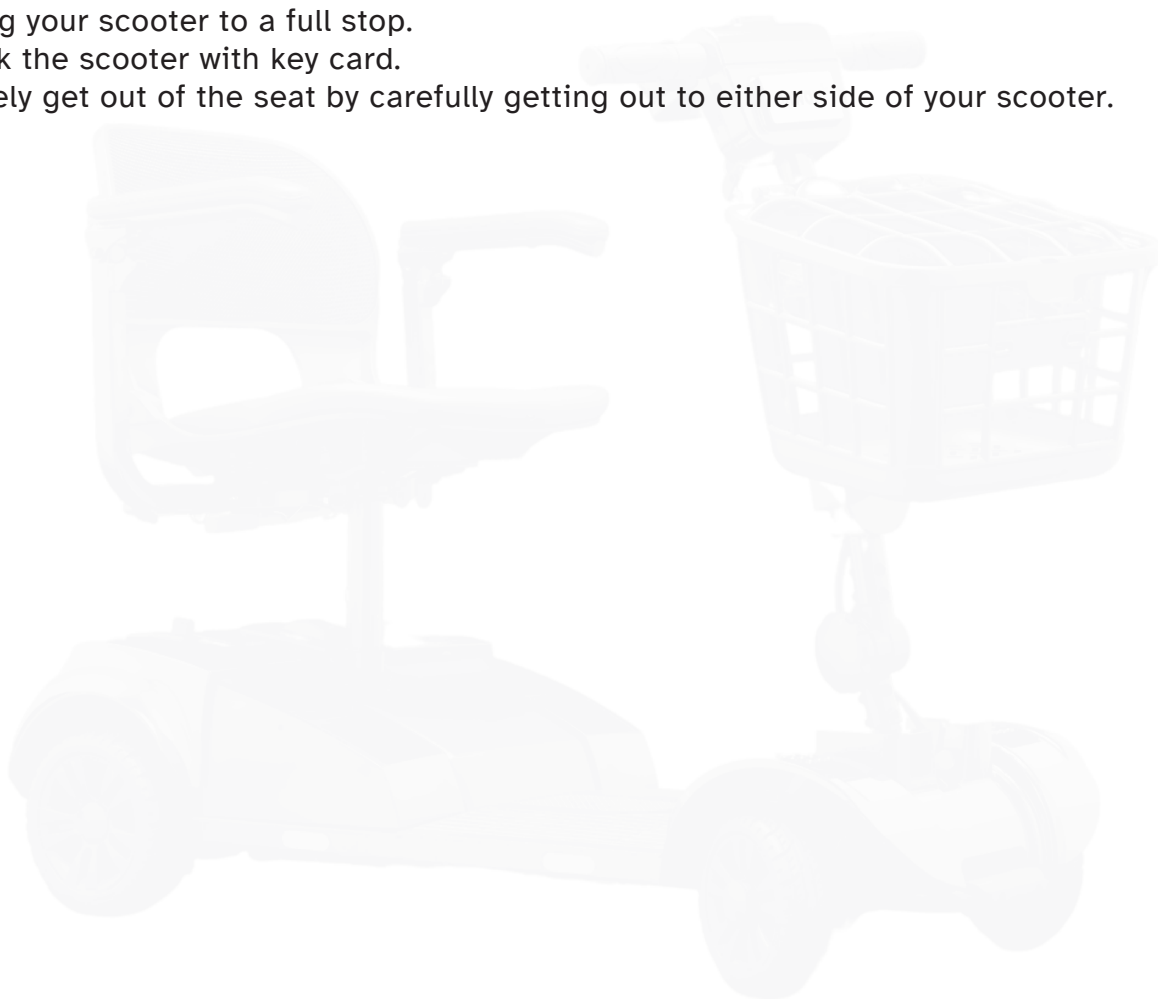
VII. OPERATION GUIDELINES

- Slow down and come to a complete stop by releasing the throttle control lever.
- When your scooter stops, the electromechanical disc park brake engages automatically.

NOTE: The speed in reverse on your scooter is intentionally slower than the forward speed set with the speed adjustment dial.

GETTING OFF OF YOUR SCOOTER

1. Bring your scooter to a full stop.
2. Lock the scooter with key card.
3. Safely get out of the seat by carefully getting out to either side of your scooter.



VIII. COMFORT ADJUSTMENTS



WARNING! Never change the tiller or the seat while the scooter is moving.

TILLER ANGLE ADJUSTMENT

The scooter is built with an adjustable pivoting tiller, allowing you to tailor it for optimal ergonomic comfort.

1. Loosen the tiller by turning the tiller adjustment knob counterclockwise. Refer to Figure 9.
2. Adjust the tiller to a comfortable position.
3. Secure the tiller by turning the tiller adjustment knob clockwise.

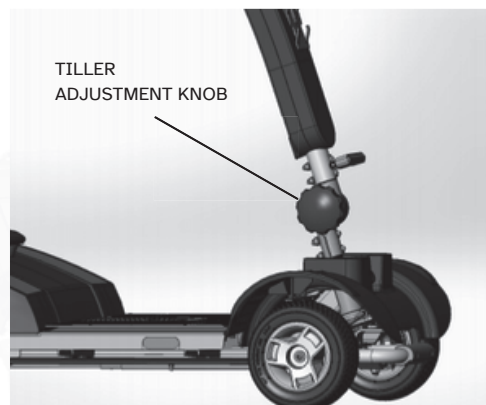


Figure 9. Tiller Adjustment

NOTE: Remove the seat first to lower the tiller to the scooter deck.

SEAT ROTATION

Rotate the seat in 90° increments, choosing from any four positions.

1. Lift the seat a little by pulling it up.
2. Turn the seat 90° or 180° to the right or left, choosing the desired position.
3. Lower the seat and check that it's firmly locked.

SEAT HEIGHT ADJUSTMENT

You can reposition the seat to different heights. Refer to figure 10.

1. Detach the seat from your scooter.
2. To pull and detach the detent pin from the lower seat post, use the attached ring.
3. Adjust the upper seat post to achieve the desired seat height.
4. Align the adjustment holes in the upper and lower seat posts while holding the upper seat post at that height.
5. Ensure the detent pin is fully inserted.
6. Put the seat back in place.

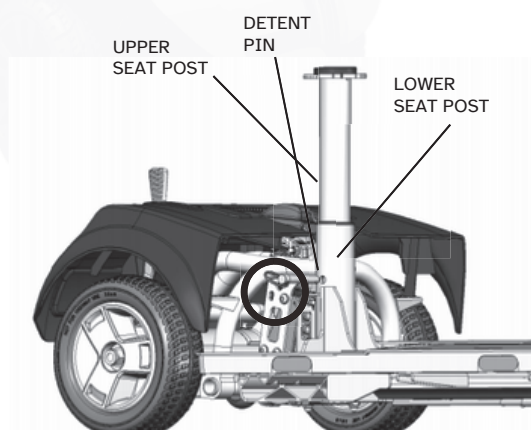


Figure 10. Seat Height Adjustment

IX. DISASSEMBLY AND ASSEMBLY

DISASSEMBLY

You can disassemble or assemble your scooter without requiring any tools. When disassembling or assembling your scooter, do so on a level, dry surface with enough working space. Remember that the disassembled parts of a scooter occupy more floor space than the assembled scooter.



WARNING: To prevent personal injury, refrain from lifting weights beyond your capability; ask for assistance during scooter disassembly or assembly when necessary.

To disassemble the E-Toura, separate it into four pieces: the seat, the front section, the rear section, and the battery pack. See Figure 11.

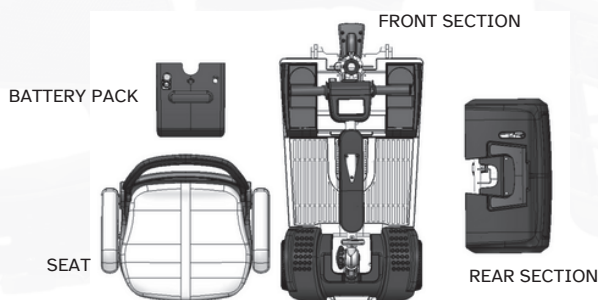


Figure 11. Disassembled Scooter

Put the manual freewheel lever in the backward (drive) position before beginning the scooter disassembly.

1. Push the tiller lock knob in and turn it clockwise 90° to lock the front wheel, starting from the unlocked position (see Figure 12). View Figure 12A.
2. To remove the seat, lift it straight up and away from the scooter.

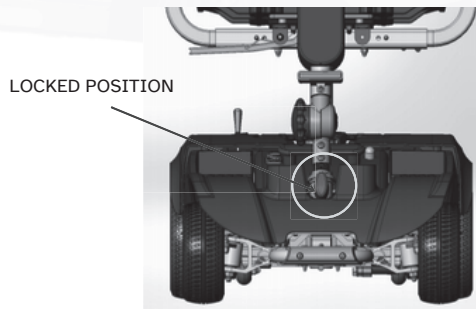
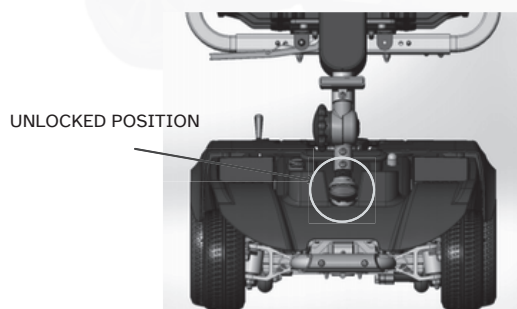


Figure 12. Tiller Lock Knob (Unlocked) Figure 12A. Tiller Lock Knob (Locked)



WARNING: Always check that the tiller lock knob is in the unlocked position before getting onto your scooter. To prevent personal injury, never attempt to ride your scooter with the tiller lock knob in the locked position.

IX. DISASSEMBLY AND ASSEMBLY

3. Detach the battery pack

- Securely attached with a reusable fastener, the battery pack can be lifted and taken out from the scooter using the battery pack handle. Refer to Figure 13.

4. Detach the front-to-rear harness. Refer to Figure 14.

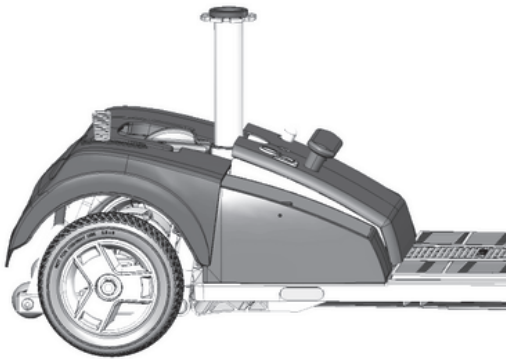


Figure 13. Removing Battery Pack



Figure 14. Front-to-Rear Harness

Frame Separation

1. Put the front wheel(s) in a straight and forward-facing position.
2. Lower the tiller and tighten the adjustment knob.

NOTE:

When the pivoting tiller is entirely lowered and tightened, it uses a mechanism to lock the front wheels.

3. Hold and raise the frame release lever (refer to Figure 15)
4. Raise the front section until the frame hooks disengage from the rear section (see Figure 16).

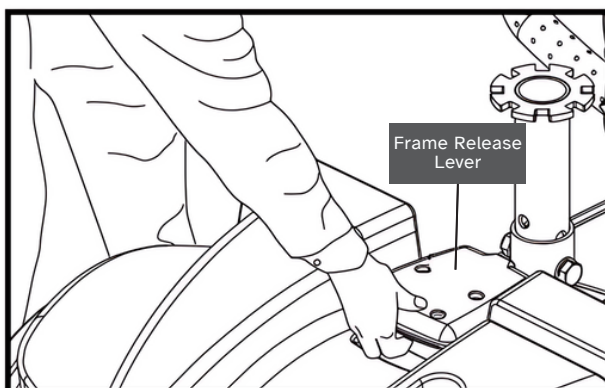


Figure 15. Frame Release Lever

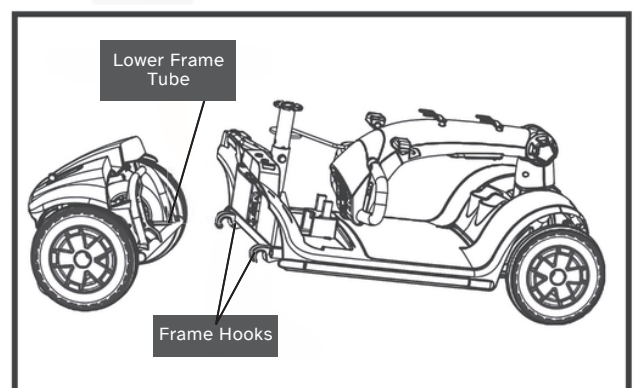
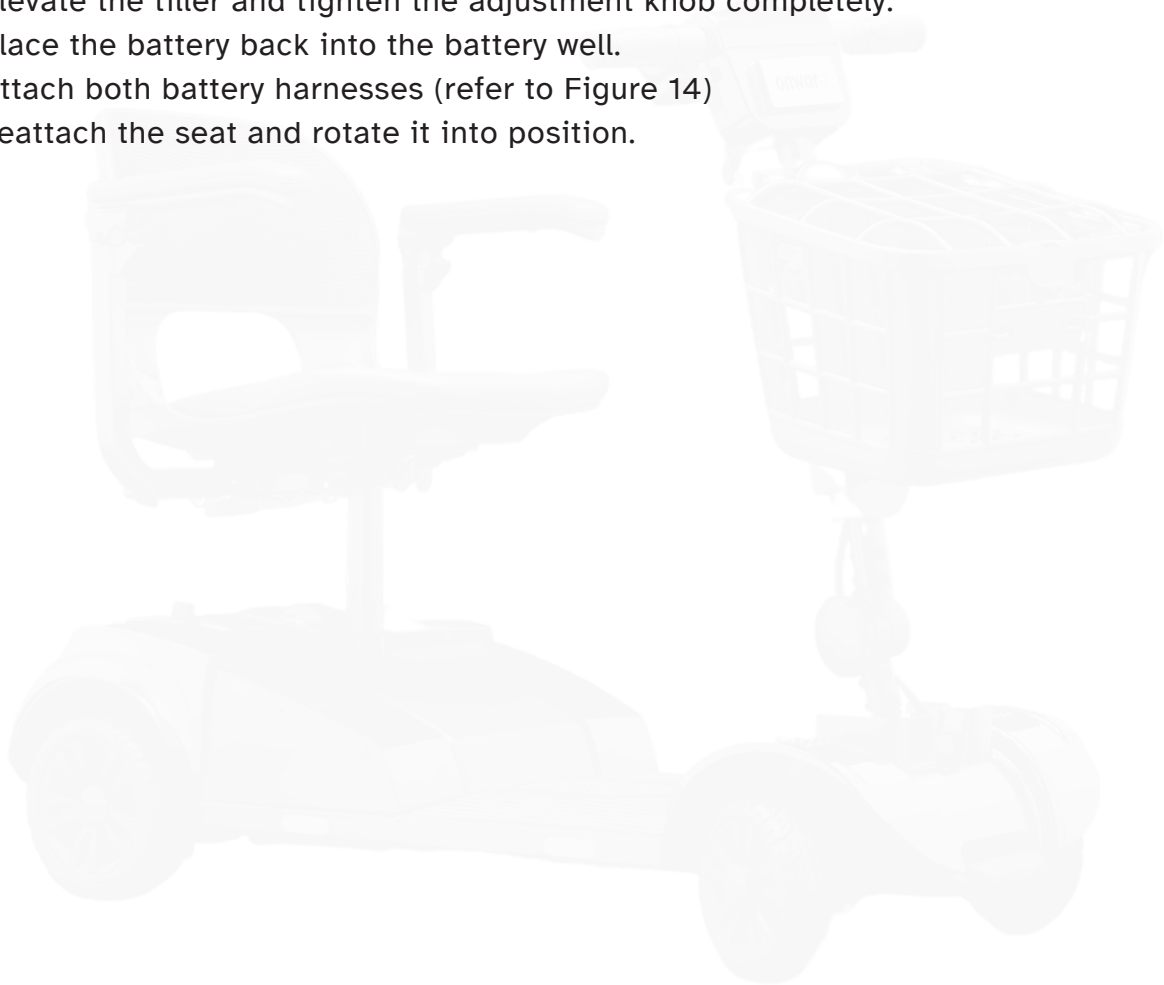


Figure 16. Frame Separation

IX. DISASSEMBLY AND ASSEMBLY

ASSEMBLY

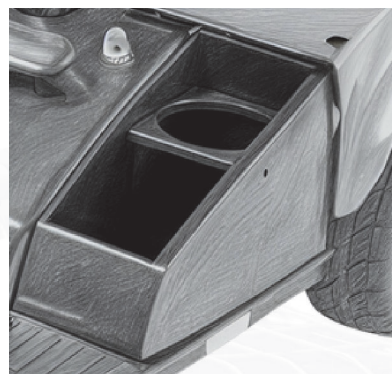
1. Set up your scooter's front and rear sections, illustrated in Figure 16.
2. Lift the front section using the frame release. Then, align the frame hooks to the lower frame tube of the rear section. See Figure 16.
3. When you place the frame hooks over the lower frame tube, lower the front section to engage the frame lock.
4. Elevate the tiller and tighten the adjustment knob completely.
5. Place the battery back into the battery well.
6. Attach both battery harnesses (refer to Figure 14)
7. Reattach the seat and rotate it into position.



X. OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES

Contact your authorized Licht Technology Provider for information on these and other optional accessories.



Cup Holder (only available for deluxe seat)



Basket



Heated Handgrips



***LED Light**

*This is an illustrative picture only. Actual light may be different.

XI. TROUBLESHOOTING BASICS

Occasional troubleshooting is normal for any electromechanical device. Luckily, most issues can be resolved with some thought and common sense. Problems often arise due to batteries not being fully charged or worn down to the point where they cannot retain a charge.

What should I do if the motor is running but my scooter isn't moving?

- If the motor is running but your scooter isn't moving, it might be in freewheel mode.
- Pushing the manual freewheel lever forward disengages the brakes and cuts the power to the motor/transaxle.
- To restore your scooter to normal operation, pull the manual freewheel lever backward.

What if the main circuit breaker trips repeatedly?

- Repeated trips of the main circuit breaker may be resolved by charging the scooter's batteries more frequently. Refer to VI. "Batteries and Charging."
- If the issue persists, consult your authorised Licht Provider to conduct load tests on both of your scooter's batteries.
- For information on your scooter's battery type, refer to VI. "Batteries and Charging" or IV. "Specifications."

What if the battery condition meter dips way down and the motor surges or hesitates when I press my scooter's throttle control lever?

- If the battery condition meter dips significantly and the motor surges or hesitates, fully charge your scooter's batteries. Refer to VI. "Batteries and Charging."
- Request your authorised Licht Technology Provider to load test each battery.

What steps should I take if all the systems on my scooter become completely unresponsive?

- Make sure the batteries are fully charged. Check section VI. "Batteries and Charging."
- See to it that the battery pack is seated properly.
- Press the reset button on the main circuit breaker. Refer to section V. "Your Scooter."
- Make sure the front-to-rear harness is securely connected.
- Double-check that the power-down timer feature is not activated. See the information below.

POWER DOWN TIMER FEATURE

Your scooter goes with an energy-saving automatic power-down timer feature designed to save energy and extend the battery life. Should without usage for around 20 minutes, the scooter's controller will shut down automatically.

XI. TROUBLESHOOTING BASICS

If the power-down timer feature activates, follow these steps to resume normal operation:

Re activating Scooter steps.

Should you have any concerns or issues with your scooter that you're unable to solve, contact your authorized Licht Technology Provider for maintenance and service information.



XII. CARE AND MAINTENANCE

Keep in mind that your scooter needs minimal care and maintenance. Should you feel unsure about performing the maintenance tasks listed below, it's advisable to schedule inspection and maintenance with your authorised Licht Technology Provider. Check the following areas for periodic inspection and/or care and maintenance.

TYRE CONDITION AND TREAD WEAR

- Check your scooter's tyres regularly for signs of wear.
- Apply a rubber conditioner to your scooter's tyre sidewalls to aid in preserving them.



WARNING! Avoid using rubber conditioner on the tire tread as it may cause the tires to become dangerously slippery.

EXTERIOR SURFACES

- Applying rubber or vinyl conditioner occasionally can give your bumpers and trim a boost.



WARNING: Refrain from using a rubber or vinyl conditioner on the scooter's vinyl seat, floorboard, or tire tread. These areas may become dangerously slippery if a conditioner is applied, causing personal injury and/or scooter damage.

- Coated with an advanced formula urethane paint, the scooter shroud is also made from durable ABS plastic.
- Applying a light coat of car wax will aid the shroud in maintaining its high gloss.

WIRING HARNESS

- Consistently inspect the front-to-rear harness insulation for any wear or damage.
- If you discover any damaged connector, connection, or insulation, ensure your authorised Licht Provider repairs or replaces it before using your scooter again.

AXLE BEARINGS AND THE MOTOR/ TRANSAXLE ASSEMBLY

- All these items are pre-lubricated, sealed, and do not require further lubrication.

CONSOLE, CHARGER, AND ELECTRONICS

- Check your scooter's tyres regularly for signs of wear.
- Apply a rubber conditioner to your scooter's tyre sidewalls to aid in preserving them.

XII. CARE AND MAINTENANCE

STORAGE

When you plan not to use your scooter for an extended period, it's recommended to:

- Before storing your scooter, make sure the batteries are fully charged.
- Detach the battery pack.
- Keep your scooter stored in a warm, dry place.
- Do not store your scooter in locations with extreme temperatures.
- Charge its batteries fully at least once a week.



WARNING: Safeguard your batteries from freezing temperatures at all times, and never attempt to charge a frozen battery. Charging in such conditions can harm the battery and lead to personal injury.

For plans of storing your scooter for an extended period, you can raise your scooter off the ground by placing boards under the frame. Doing so lifts the scooter off the ground, reducing tyre weight and the potential for flat spots on tyre contact areas.

CLEANING YOUR SCOOTER

While your scooter needs minimal care and maintenance, cleaning it will ensure its smooth, reliable performance and durability.

Here's a quick checklist to make your scooter maintenance easy:

1. Switch off the scooter and disconnect the battery before cleaning to avoid accidentally activating it.
2. Use a damp cloth and a non-abrasive cleaner. Avoid using harsh chemicals as they can damage surface finishes and electronics.
3. Keep water away from the motor, battery, and electrical parts.
4. Clean the seat, surfaces, handlebars, and tyres with a soft cloth or microfiber to avoid scratches.
5. Do not use solvent-based tyre dressings (e.g., *Super Blue Tyre*, *Magic Blue*, etc.), as these can cause the tyre material to become too soft.
6. Do not use silicone-type cleaning products on tyres (e.g., *ArmorAll wipes*, etc.), as these can make the tyres slippery under certain circumstances.
7. Dry all scooter parts before reconnecting the battery or turning it on, especially near electrical parts.
8. Keep your scooter in a dry and safe place to protect it from dust, moisture, and extreme temperatures.

XIII. YOUR WARRANTY

SCOOTER WARRANTY

This section of the manual outlines the related warranties provided for the scooter. Some parts would have distinct warranties, which apply with specific terms and conditions. This section will help you understand the coverage available for your scooter.

Do not return the scooter's defective parts to Licht Technology without prior notice. All incurred shipping costs for sending parts for repair or replacement are the provider's responsibility.

For any warranty concerns or questions about your scooter or batteries, contact your local Licht scooter dealer.

Limited Warranty

In our commitment to provide you with the utmost satisfaction with your scooter usage, we offer a range of limited warranties. We tailor all these warranties to fit your scooter's needs. Please review each warranty type to guide you in making well-informed choices.

The main deck frame, seat post, fork, tiller frame, harnesses, chargers, and electrical sub-assemblies of your E-Toura scooter include a two-year limited warranty. This limited warranty protects these electronic parts against any manufacturing defects for two years.

The controller comes with a three-year limited warranty. The transaxle includes a two-and-a-half-year limited warranty. And the battery, with a 12-month limited warranty.

These warranties protect your scooter parts within the respective periods.

WARRANTY EXCLUSIONS

This section provides various exclusions that apply to the scooter warranty. Please review these carefully to understand which components and situations the warranty terms exclude.

Please keep in mind that the warranty does not cover the following:

- plastic shrouds
- electronic brakes
- motor brushes
- tyres

XIII. YOUR WARRANTY

- seating upholsteries
- fuses
- Any repairs or modifications made without specific consent from Licht Technology

The warranty does not include issues arising from improper operation, maintenance, or storage. Any scooter abuse, dropping, or exposure to significant impact voids the warranty. The warranty does not cover scooter misuse, negligence, and external contamination.

Additionally, the warranty excludes labor, service call fees, or shipping costs incurred without prior authorisation from Licht Technology. The warranty coverage does not include damage that results from Acts of God or forces of nature.

The scooter's warranty does not cover an increase in the transaxle's operational noise level. A change generally results from improper and excessive strain on the scooter.

The warranty does not apply to any gradual performance decline on the scooter caused by leaving the battery discharged, leaving the scooter in cold conditions for too long, or from heavy use. The shipping costs for the repair or replacement are the provider's responsibility.

Licht Technology will replace the sent parts if found defective in material or quality by an authorised Licht Technology representative.

The warranty becomes void if the damage is due to using parts that are not original E-Toura scooter parts or not being bought through authorised providers. Additionally, batteries proven to be inadequately maintained in an abusive or negligent manner will void the warranty.

LABELS, PACKING LOGO DESIGN

Symbol	Introduction	Symbol	Introduction
	CE Symbol		AUTHORIZED REPRESENTATIVE IN THE EUROPEAN COMMUNITY
	Manufacturer Name Address		Manufacture Date
	Batch Code		Store in Clean & Dry Place Protected From Rain, Snow, Ice, Salt and Water
	Warnings and Precautions		Non-Sterile
	Medical Device		Use-by-Date
	Keep Dry		Keep Away From Sunlight

LABELS, PACKING LOGO DESIGN

Symbol	Introduction	Symbol	Introduction
	Consult Instructions for Use		Unique Device Identification
	Country of Manufacture		Model Number
	Importer		Distributor
	Pinch Point Warning		



onward 
Technology USA Corporation

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