

## USER AND MAINTENANCE MANUAL

### LEONARDO SCOOTER



## INDICE

1. INTRODUCTION
2. WARRANTY
3. GENERAL RECOMMENDATIONS AND WARNINGS
4. DESCRIPTION OF THE SCOOTER AND SPARE PARTS
5. CONTROL PANEL - USER INTERFACE
6. FIRST EXIT
7. BEFORE EACH RELEASE
8. MAINTENANCE AND GENERAL CARE OF THE BICYCLE
9. INSPECTION AND MAINTENANCE
10. USE AND MAINTENANCE OF THE BATTERY AND BATTERY CHARGER
11. TRANSPORT OF THE SCOOTER
12. AFTER A FALL
13. TECHNICAL SPECIFICATIONS
14. DECLARATION OF CONFORMITY

## 1. INTRODUCTION

Dear Customer,

In this manual we provide a series of tips for using the scooter and a series of useful indications for its care and maintenance. It is important to read this manual even if you consider yourself an expert cyclist, as technical evolution in this area is making significant progress.

For safety and to ensure durability, we recommend reading this manual.

It is underlined that this manual refers exclusively to the LEONARDO scooter, the instructions contained herein have been built on this model and are not applicable to other models. It is also highlighted that the explanations and instructions reported here may not be sufficient as they inevitably cannot take into account specific factors such as experience, manual skill and the tools in possession of those who intervene on the vehicle.

It is not an assembly manual, nor can it fully replace experience and knowledge by an expert mechanic. For these reasons, we always recommend referring for any support needs to the network of official ZASH resellers and their irreplaceable professionalism and experience.

It is important to familiarize yourself with the vehicle before undertaking any activity, practicing in a safe and known place.

To conclude, we intend to emphasize how an electric scooter is a vehicle which, like all vehicles that run on the road, involves important risks for the health and physical integrity of those who use it, especially considering that it does not have the safety devices that can exist, for example, on a car (ABS, airbag, or even just the bodywork). It is important to be aware of the risks and accept them, as well as taking all the necessary behaviors aimed at reducing them as much as possible. It is therefore recommended to always drive with the utmost caution, respecting other road users. Do not use the scooter after taking medicines, alcohol, drugs or if you are tired, never carry a second person, and always keep both hands on the handlebars. Always follow the road rules of the country you are in, and in the case of off-road vehicles always respect nature by following marked roads and routes. Wear appropriate clothing, including a helmet, appropriate glasses and suitable clothing that makes the user clearly visible.

## 1. WARRANTY

The LEONARDO scooter is covered by a 2-year legal guarantee from the time of purchase.

## 2. GENERAL RECOMMENDATIONS AND WARNINGS

The indications and instructions in this manual are not intended as a guide for repairing or assembling a bicycle starting from individual parts.

Respect the highway code, it is not allowed to drive without hands, it is not allowed to behave in ways that are a source of danger for oneself or other road users, it is not allowed to be towed by other vehicles, take your feet off the pedals only in case where the road conditions or the contingent situation makes it necessary.

Do not carry out maintenance, repairs, adjustments or assembly operations if you are not experienced and aware of what you are doing. Incorrect operations can pose high risks to your safety and security. If in doubt, contact an authorized ZASH reseller for support. In any case, read the specific user manual provided by the manufacturers.

Do not hang luggage or large and/or heavy objects on the handlebars as they

pose a risk of falling.

However, respect the general requirements below:

1. Read the following instructions carefully before using the product.
2. This electric scooter is not a toy. Use it responsibly, with care and respect for others.
3. This electric scooter is a motor vehicle. Mastering driving takes practice.
4. Check the local regulations in force regarding the use of this type of product before using it and be sure to follow the local regulations. Drive responsibly and pay attention to people and obstacles to avoid accidents.
5. Use is limited to one person at a time. Do not carry other people at the same time.
6. When riding the electric scooter, wear a safety helmet and other protective equipment (non-slip gloves, knee and elbow pads,...)
7. When stopping or parking your vehicle, make sure you do so on a smooth, safe surface
8. Do not ride the electric scooter in unsafe places or in violation of the regulations of the respective government.
9. The maximum load capacity of the product is 100kg.
10. Do not make dangerous movements or drive with one hand; keep your feet on the platform.
11. Do not turn off the power while the electric scooter is running.
12. Before riding, check whether fasteners are loose and/or any components are damaged. In this case we recommend not using the product. If this electric scooter makes any abnormal sounds or alarms, stop riding immediately.
13. Do not attempt to climb steps, as this may cause the electric scooter to tip over, resulting in injury to the rider or damage to the vehicle.
14. In case of rough or uneven road conditions, slow down or get off. Do not ride the electric scooter on slippery surfaces, such as in the presence of oil or ice.
15. Do not use this product in an environment with a temperature below 0°C.
16. Do not immerse the product deeper than 5cm to avoid damage to the electrical part of the vehicle.
17. Avoid riding in adverse weather conditions, such as rain, snow, strong wind, etc., so as not to cause damage due to environmental factors.
18. Improper use of the product or failure to follow the instructions contained in this manual may cause serious damage.
19. Do not attempt to disassemble or repair the product yourself.

## 3. DESCRIPTION OF THE SCOOTER AND SPARE PARTS







1	Platform	9	Easel
2	Column	10	Rear wheel support
3	Front joint	11	Rear wheel
4	Fork	12	Brake
5	Front wheel with motor	13	Auxiliary battery
6	Closing magnet	14	Direction indicators
7	Multifunction panel		
8	Fender		

## SPARE PARTS

Componente	Qtà x Veicolo	PN	Immagine
Column	1	ZSH-FEN-LEO-X-001	
Front joint	1	ZSH-FEN-LEO-X-002	
Fork	1	ZSH-FEN-LEO-X-003	
Platform	1	ZSH-FEN-LEO-X-004	
Rear wheel support	1	ZSH-FEN-LEO-X-005	
Fender	1	ZSH-FEN-LEO-X-006	

Fender	1	ZSH-FEN-LEO-X-007	
Upper shell	1	ZSH-FEN-LEO-X-008	
Easel	2	ZSH-FEN-LEO-X-009	
Milled Front Wheel	2	ZSH-FEN-LEO-X-010	
Milled Hinge	2	ZSH-FEN-LEO-X-011	
Direction indicators	2	ZSH-FEN-LEO-X-012	
Knobs	1	ZSH-FEN-LEO-X-013	
Lights command	1	ZSH-FEN-LEO-X-014	

Front light	1	ZSH-FEN-LEO-X-015	
DC connector (charging)	1	ZSH-FEN-LEO-X-016	
Rear wheel	1	ZSH-FEN-LEO-X-017	
Rear light	1	ZSH-FEN-LEO-X-018	
Headset	1	ZSH-FEN-LEO-X-019	
Batt. Aux Connector	1	ZSH-FEN-LEO-X-020	
FastMount Bat Aux	2	ZSH-FEN-LEO-X-021	
Tire and inner tube 14x1.75	1	ZSH-FEN-LEO-X-022	



Electronic control board	1	ZSH-FEN-LEO-X-023	
Battery 36 V	1	ZSH-FEN-LEO-X-024	
Battery 48 V	1	ZSH-FEN-LEO-X-025	
Auxiliary Battery	1	ZSH-FEN-LEO-X-026	
BMS x 36 V	1	ZSH-FEN-LEO-X-027	
BMS x 48 V	1	ZSH-FEN-LEO-X-028	
Motor 36 V	1	ZSH-FEN-LEO-X-029	
Motor 48 V	1	ZSH-FEN-LEO-X-030	
Battery charger 36 V	1	ZSH-FEN-LEO-X-031	

Battery charger 48 V	1	ZSH-FEN-LEO-X-032	
Bush 1/2x100 INOX SS	1	ZSH-FEN-LEO-X-033	
Threaded ring 1/2 INOX SS	1	ZSH-FEN-LEO-X-034	
Washer M22x39 INOX SS	1	ZSH-FEN-LEO-X-035	
Washer Nylon M8 x 1.5mm	8	ZSH-FEN-LEO-X-036	
Washer INOX M8	4	ZSH-FEN-LEO-X-037	
Bolt M8x70	2	ZSH-FEN-LEO-X-038	
Bolt M8x80	1	ZSH-FEN-LEO-X-039	
Bolt M6x80	2	ZSH-FEN-LEO-X-040	

Spacer Bush Ø8x8mm	2	ZSH-FEN-LEO-X-041	
Bolt M6x40	4	ZSH-FEN-LEO-X-042	
Nut M8	3	ZSH-FEN-LEO-X-043	
Tube INOX ODØ10- IDØ8x15	4	ZSH-FEN-LEO-X-044	
Threaded Bush M4	4	ZSH-FEN-LEO-X-045	
Bolt M4x15	8	ZSH-FEN-LEO-X-046	
Nut M6	4	ZSH-FEN-LEO-X-047	
Washer M6	6	ZSH-FEN-LEO-X-048	
Bush UP	1	ZSH-FEN-LEO-X-049	

Bush DWN	1	ZSH-FEN-LEO-X-050	
Compression disk SS	1	ZSH-FEN-LEO-X-051	
Compression Cone SS	1	ZSH-FEN-LEO-X-052	
Bush DWN Fork	1	ZSH-FEN-LEO-X-053	
Bush UP Fork	1	ZSH-FEN-LEO-X-054	
Rear brake pad	1	ZSH-FEN-LEO-X-055	
Rear Brake Heel	1	ZSH-FEN-LEO-X-056	
Cage Electronics	1	ZSH-FEN-LEO-X-057	

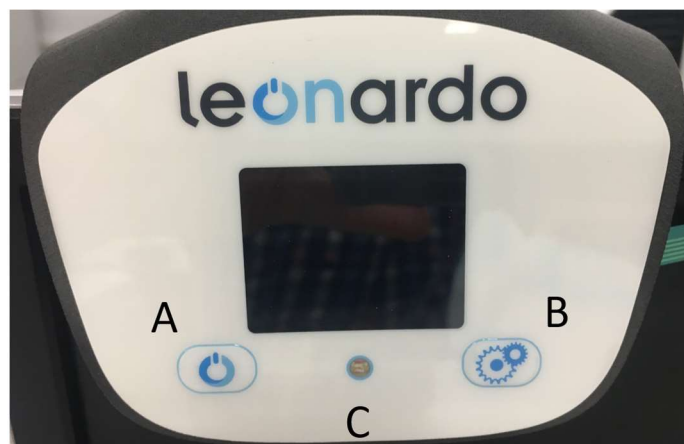
## 4. CONTROL PANEL - USER INTERFACE

### *Panel*

Il pannello è composto da tre elementi: tastiera, schermo grafico e avvisatore acustico.

### *Keyboard*

The main elements can be identified in the image below.



- On/off button (A). Used for vehicle connection and disconnection.
- Configuration key (B). Multifunction button that allows you to navigate between the different options.
- Status LED (C). Green indicator light.
- Buzzer: integrated into the HMI panel electronics provides acoustic feedback to the user.

### *Multifunction display*

Provides more information to the user.



- User telephone connection indicator (D). Bluetooth Low Energy (BLE) connection established.
  - Mode indicator (E). Displays the vehicle operating mode (“STOP”, “TRO”, “PED”, “STD”, “ADV”, “ERR”)
  - Error indicator (F). Displays the text "OK" if there are no errors. If an error is detected, the associated code "E-XXXX" is displayed.
  - Speed indicator (G). Instant indicator of the speed of the driving wheels (XX,X km/h)
  - Charge status indicator (H). Battery charge level percentage (XXX %)
  - Odometer (I). Estimated distance traveled by the vehicle since it was started. The route is calculated from the instantaneous speed of the vehicle.
  - Time elapsed since power on (J). In the format “hh:mm:ss”.Sensors
- The HMI panel is equipped with an integrated inertial sensing unit for sensing frontal and lateral tilt angles, as well as angular velocities.

## Description of functions

### *Security Considerations*

The vehicle was not designed to operate the keypad in driving conditions. The functionality of the buttons has been limited to the stationary vehicle condition, i.e. without any speed on the driving wheel. The verticality of the column is continuously monitored. If pre-established thresholds are exceeded, the action on the keyboard is not permitted and the energy to the motor is automatically cut off.

### *Power On / Off*

Under normal conditions the vehicle is turned off. Electronic circuits including the HMI display are disabled without consuming power. To activate the vehicle, briefly press the KYB\_ON/OFF button. To turn off the vehicle, press and hold the KYB\_ON/OFF button for more than 1 s. Switching off will occur when the button is released.

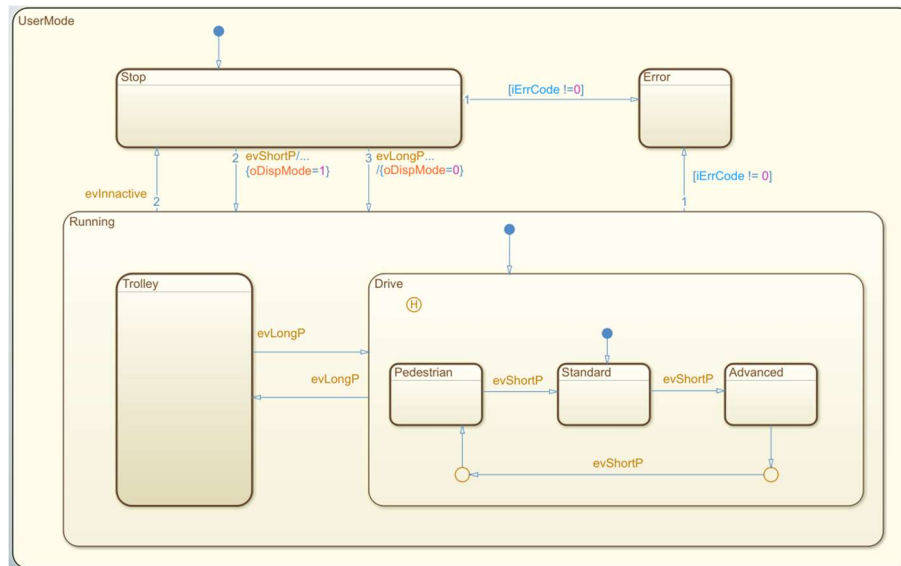
### *Selection of operating mode*

The vehicle implements the following operating modes.

- STOP: Identified by the writing “STOP”. It is the default mode when the vehicle is activated. The electronic circuits are turned on, but no power is applied to the motor.
- PEDESTRIAN: Identified with the writing “PED”. In this mode, driving the vehicle is limited to a maximum speed of 6 km/h. Aimed at drivers who are new to driving the vehicle.
- STANDARD: Identified with the writing “STD”. In this mode, vehicle driving is limited to 15 km/h. Designed for drivers who have passed the initial phase of interaction with the vehicle.
- ADVANCED. Identified with the writing “ADV”. In this mode the vehicle has no speed limitations, applying the maximum speed expected for this type of vehicle (20 km/h).
- CART. Identified with the writing “TRO”. Designed to facilitate wheeled transport of the vehicle without the driver being positioned on the platform. In this mode, forward and backward movement is permitted.

- MISTAKE. Identified with the writing “ERR”. If an error condition occurs, this mode is entered by informing of the nature of the error with a numerical code such as "E-XXXX".

The transition between the different operating modes is presented in the following diagram.



The events identified as “evShortP” and “evLongP” correspond to the short and long press of the configuration button. Note that the keypad action is inhibited when the vehicle is in motion. Therefore the change is permitted even if the vehicle is stationary.

The “evInnactive” event corresponds to a lack of action on the keyboard and, furthermore, the vehicle has been stationary for more than 30 s. As indicated in the diagram, the system automatically returns to STOP mode when the rest condition occurs.

Once the ERROR state is reached the vehicle remains in that state. The only possible action the user can take is to turn it off (see On Off).

## Driving mode

Unlike other electric vehicles where accelerator and brake are available, in this vehicle the acceleration and (electric) braking actions are managed by observing the pitch angle of the steering column. Starting from a neutral position, a lean forward relative to the driver's body causes the drive wheel to move forward. If the inclination is backwards, approaching the rider's body, a braking action will be produced.

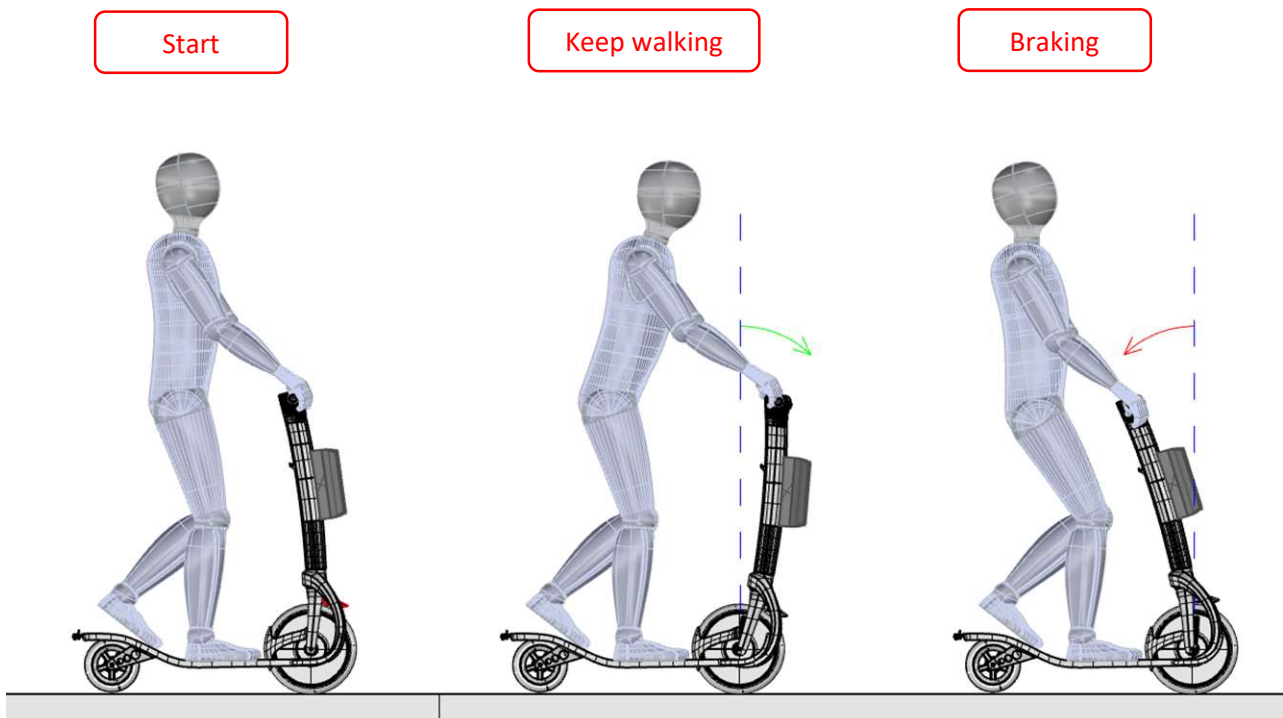
The driving mode applies to “PEDESTRIAN”, “STANDARD” and “ADVANCED” modes. To start driving in these modes, all of the following conditions must be met:

5. There is no indication of error. Error indicator in "OK"
6. The steering column is vertical (within  $\pm 20.0$  degrees of tilt and  $\pm 20$  degrees of roll).
7. Be in one of the modes: “PEDESTRIAN”, “STANDARD” or “ADVANCED”.
8. The vehicle speed is greater than 1.5 km/h. This is achieved with an initial push provided by the driver.

When these conditions are met, the vehicle begins to supply power to the engine in the forward direction. The amount of power depends on the angle observed in the steering column. The greater the angle, the greater the energy.

The route stops automatically when the speed drops below 1.0 km/h.

1. Place the electric scooter on a flat surface.
2. Place your hands on the handlebars. Step onto the platform with one foot and use the other to give yourself a gentle push.
3. When the electric scooter starts to move, place both feet on the footboard and gradually rotate the column forward. The greater the rotation the greater the acceleration.
4. To stop the electric scooter, or to slow down, gradually rotate the column backwards. If necessary, activate the rear brake located on the footrest with your foot.
5. Before dismounting, stop the electric scooter completely. Trying to get off the electric scooter while it is moving can cause injury.



## *Trolley mode*

This mode is intended to facilitate the transport of the vehicle when the user walks carrying the vehicle at his side (not mounted). In this mode the speed is limited to 5 km/h and can operate both forward and reverse. Unlike driving mode, it does not automatically deactivate when you slow down, but is always active. To exit this mode you need to make a long press to switch to driving mode.



## 5. FIRST OUTING

1. Before your first ride with the LEONARDO scooter it is advisable to spend some time with your trusted ZASH retailer in order to fine-tune the set-up.
2. The scooter is designed for a maximum weight, including rider, luggage and accessories, of 100 kg. Make sure you do not exceed this limit.
4. Check, with the support of your trusted ZASH dealer, that the scooter is equipped with all the devices required by the regulations regulating road traffic in the area in which you intend to use it.
5. Check the battery charge level, the battery must be charged before first use. Further instructions on using the battery and charging it can be found in the "Battery and Battery Charger Use and Maintenance" chapter of this manual and in the engine manufacturer's user manual.  
We recommend charging the battery during the day and only in dry environments equipped with smoke or fire detectors. Do not charge the battery in the bedroom. While charging, place the battery on a large, non-flammable surface, possibly keeping it away from objects flammable. Recharge the battery exclusively using the battery charger supplied, do not use battery chargers from other manufacturers, even if the plug is compatible.
6. Become familiar with the control functions. Be careful, when getting on the scooter, do not operate the column by rotating it forward before you are in the correct position and with your hands firmly on the handlebars
7. Check and become familiar with the braking system. For this reason it is advisable to test the action of the brakes to gain confidence by trying the activation of the electromagnetic brake several times by rotating the column backwards.

## 6. BEFORE EVERY RIDE

Before each outing, we recommend carrying out a series of checks to ensure the complete functionality of the vehicle and your safety. Even during transport or a long period of storage, it is possible that some changes may arise in the behavior and settings of the scooter.

1. Check the fixing of the thru axles of the front wheel and rear wheel, check that the wheels are well secured to the fork and the frame.
2. Check the attachment of the rotating arms to the footboard.
3. Check the connections of the battery, handlebar devices and engine. They must be connected correctly and have no slack.
4. Check the battery charge. Lithium ion batteries do not have the memory effect, so it is advisable to recharge the battery after each ride, especially if it is a long one. Never let the battery run down completely. If a discharged battery is left without charge for a long time, it is possible that it drops below the minimum safety charge threshold. In this case the battery management system will permanently turn off the battery, which will no longer be usable. For this reason it is advisable to recharge the battery as soon as possible. Please read the battery management instructions in the engine manufacturer's manual.
5. Once the system is turned on, check that no error symbols or light signals appear on the control device screen. Never exit if any error or warning signs appear.
6. Check that the battery is seated correctly and that the latches are closed correctly. Never go out if the battery is not properly seated and secured.
7. Make sure the tires and inflation pressure are in good condition. The recommended pressure (which can however vary depending on the route and weather conditions) is between 1.5 and 2.2 bar, however the indications on the inflation pressure are usually present on the shoulder of the tyre. Spin the wheels to check that they are centered

and there are no damaged or broken components (pins, spokes, etc...).

8. Check that the scooter is equipped with the devices required by the road code in force in the country you are in. It is extremely dangerous to drive without lights or reflective surfaces in case of poor visibility or darkness.

9. Carefully inspect components for early signs of wear or fatigue such as cracks, scratches, dents, or discolored areas. Using the scooter, especially on bumpy paths, subjects it to stress and vibrations which can, in the long run, lead to material fatigue. If you notice signs of fatigue or damage on any component, contact your trusted ZASH dealer to replace the component. Do not use the scooter if components are damaged or show signs of fatigue, as they could break without warning, posing very high safety risks.

## **5. MAINTENANCE AND GENERAL CARE OF THE SCOOTER**

Your LEONARDO scooter is a high quality product. Nonetheless, and precisely for this reason, it is necessary to provide the right and constant care and have it carried out by a specialist maintenance operations regularly, in order to keep it in perfect working order for a long time.

### **CLEANING AND GENERAL MAINTENANCE**

Dirt, salt on winter roads and sea salt can damage your scooter, which is why it is important to clean it regularly and protect the components from corrosion.

Not a scooter, the strong jet of water at high pressure can penetrate the inside of the seals and bearings, diluting the lubricants and increasing the friction of the moving parts, leading to wear and corrosion. It is more appropriate to clean the scooter with a light jet of water and the aid of a sponge or brush, which also allows you to inspect carefully allowing for the timely identification of signs of wear, fatigue or damage. Once cleaning is complete, it is advisable to check the chain and, if necessary, lubricate it with the appropriate products.

During cleaning, pay attention to any cracks, scratches, discolorations or deformations of the material of the various components. If in doubt, have the cycle viewed by your trusted ZASH dealer, who will be able to provide assistance and, if necessary, replace damaged components.

Use only specific products for the care of bicycles, scooters and scooters. Aggressive, non-neutral degreasers or chemical detergents could attack the surfaces and damage their aesthetics or, worse, change the characteristics of important components such as movements and bearings.

## **5. INSPECTION AND MAINTENANCE**

It is advisable to have the scooter checked periodically by your trusted ZASH dealer. In addition to the assembly check to be carried out after the first kilometers travelled, aimed at recording the cycle against the settlement of the components, it is advisable to subject the cycle to a periodic inspection (approximately annually). The inspection allows you to identify any worn components and put the cycle back in perfect working order.

In general it is advisable to only use original spare parts or alternative components recommended, however, by your ZASH dealer. The use of components, especially if components subject to wear, from other suppliers and/or of other sizes can put the safety of the cycle at risk.

The use of non-original spare parts or those not indicated by ZASH and the intervention on the cycle by unauthorized personnel for repairs, maintenance and assistance invalidates the CE marking and the cycle's warranty coverage.

## 5. USE AND MAINTENANCE OF THE BATTERY AND THE BATTERY CHARGER

This section provides the main indications on using the battery. For more complete, detailed and specific information, refer to the manufacturer's manual of the pedaling assistance system.

### CHARGING AND USING THE BATTERY

The battery cannot be used immediately after purchase. If the scooter is stored for a prolonged period immediately after purchase, it will be necessary to charge the battery before using it. After charging, the battery begins to deteriorate. The battery can be used after it has been charged with the specific charger. Always charge the battery before use. Charging time varies depending on the battery level and charger used. It is recommended to use an original battery. If you use a battery from another manufacturer, carefully read the relevant instruction manual before use.

To charge the battery, use the charger supplied and respect the indicated charging conditions. Failure to follow these instructions may result in the battery overheating, exploding or catching fire. When charging the battery while it is mounted, be careful not to trip over the charging cable or get anything caught on it. Otherwise, injuries or the bike may fall, resulting in damage to the components. Charge the electric scooter in a dry environment, away from flammable materials (for example materials that could catch fire), preferably at an internal temperature of 15-25°C, but never lower than 0°C or higher than +45°C.

Do not charge in direct sunlight or near fire. Do not charge the electric scooter immediately after use. Allow the electric scooter to cool for one hour before charging it. Never leave the electric scooter unattended while charging. Thermal risk: never connect the charging socket with metallic objects. Keep the electric scooter away from open flames or other heat sources to avoid overheating of the battery. Do not leave the electric scooter exposed to freezing temperatures. Both excessive heat and cold can drain the battery. Avoid completely discharging the battery. It's best to recharge the battery when it still has some charge left.

Make sure the battery is charged at regular intervals, even if you do not use the electric scooter for a long time. This prevents battery damage caused by low voltage over a prolonged period. The battery is made up of lithium ion cells and chemical elements that are dangerous for health and the environment. Do not ride the electric scooter if it emits odors, substances or excessive heat. Do not dispose of the electric scooter or the battery with household waste. The end user is responsible for disposing of electrical and electronic equipment and batteries in accordance with all applicable regulations in the relevant country. Do not disassemble, crush or puncture the product. Do not touch the battery contacts. Do not disassemble or pierce the outer casing. Prevent the product from coming into contact with water and fire and do not expose it to temperatures above 45°C (including heat sources such as stoves, stoves, etc.). Avoid contact between metal objects and battery terminals to avoid short circuiting, physical injury, or death. Water entering the battery may cause damage to the internal circuitry and risk of fire or explosion. Improper disposal of used batteries seriously pollutes the environment. Comply with the regulations of the country concerned regarding the disposal of batteries, to protect the environment. After each use, fully recharge the battery to prolong its useful life. Do not store the battery in an environment where the temperature is above 45°C or below 0°C (for example, do not leave the electric scooter or battery in a car in direct sunlight for a long period of time ). Do not throw the battery into fire as this may cause failure, overheating and even a fire. If

you plan not to use the electric scooter for more than 30 days, recharge the battery to 50/60% and store it in a cool, dry place. Remember to recharge it every 60 days to protect it from damage by excluding it from the limited warranty. Always recharge the battery before it runs out to prolong its useful life.

What to avoid:

- Opening, disassembling, hitting, throwing or puncturing the battery or attaching objects to it.
- Touch any substances that have leaked from the battery, as it contains dangerous substances.
- Let children or pets touch the battery.
- Over-charging, over-discharging or short-circuiting the battery.
- Immerse or expose the battery to water or other liquids. o Expose the battery to excessive heat or cold.
- Expose the battery to an environment containing explosive gases or flames.
- Leave the battery in the rain or direct sunlight, or in a hot car exposed to direct sunlight.
- Transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- Ride the electric scooter while charging.

## 5. TRANSPORT OF THE SCOOTER

Your LEONARDO scooter can be transported in your car, even inside it. Whatever the mode of transport, check that the cycle is correctly fixed and insured, possibly also check it periodically during transport.

Transport on public transport is generally permitted, however it is advisable to check the rules regulating transport to verify that there are no prohibited time slots or that it is not necessary to purchase, for example, an additional ticket. It is advisable to inquire with the transport companies beforehand. to start the journey.

Specific packaging and specific markings of dangerous goods are required for air transport. In this case it is absolutely advisable to contact the airline or courier in advance. Before transporting outside of a car, ensure that all moving parts and separable components, especially the battery, computer and control, have been removed.

In case of transport outdoors, it is advisable to protect the contacts from humidity and dirt, once the battery has been removed, for example with a plastic bag.

## 5. AFTER A FALL

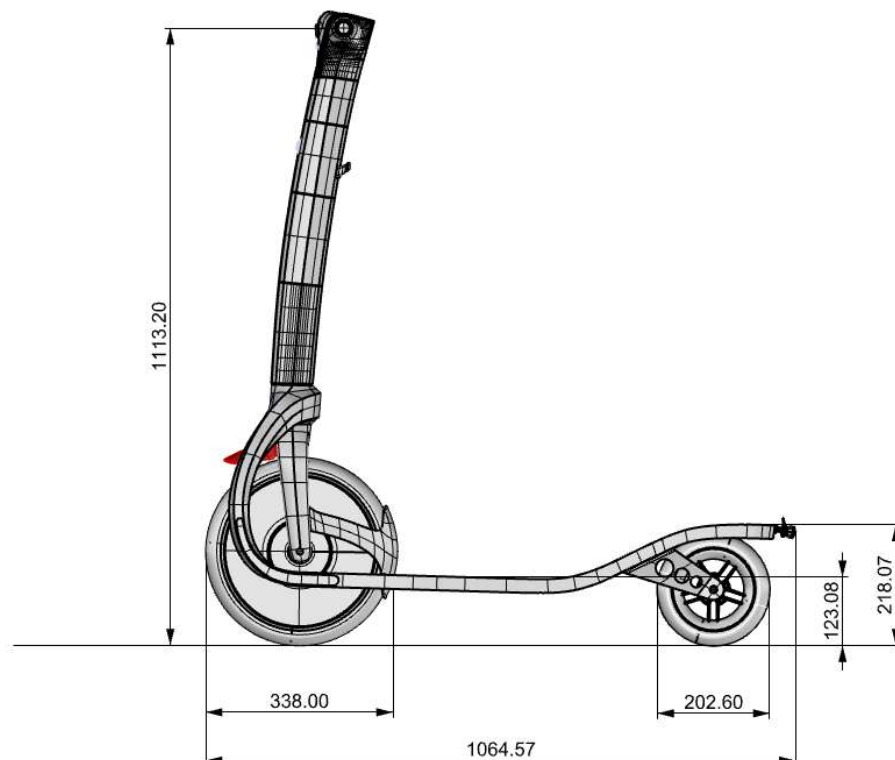
In the event of a fall, we recommend carrying out the following checks before resuming your run:

1. Check that the battery is still correctly placed in its seat and that it does not show up visibly damaged.
2. Check the display for any error or warning signals. If there are any signals, turn the system off, wait about ten minutes and turn it back on. If the warning or error signals reoccur, turn off the system. Check the engine manufacturer's manual for further information and contact your ZASH dealer immediately.
3. Check that the wheels are still securely attached and that the rims are still centered in the frame  
e  
in the fork.

4. Check that the handlebars and stem are not broken or deformed. Check that the handlebars are still properly connected to the fork by trying to rotate the handlebars and checking that the wheel turns consistently.
  5. Check that no abnormal noises are coming from the cycle by lifting and lowering the scooter from a low height.
  6. Check that there are no visible deformed parts, cracks or color changes. Once these checks have been completed, it is possible to go back, paying maximum attention to any anomalous behavior or noises and without forcing the pedals or brakes. In case of anomalous behavior, do not use the cycle.
- Once the excursion is finished, take the scooter to your trusted ZASH dealer for a complete and thorough inspection.

## 6. TECHNICAL SPECIFICATIONS

Column:	F&N compositi – Carbon Fiber Frame
Fork:	F&N compositi – Carbon Fiber Frame
Front joint:	F&N compositi – Carbon Fiber Frame
Platform:	F&N compositi – Fiberglass Frame
Motor:	Aikema AKM100SX(F2)
Battery:	Femak - 36v / 48v
Weight:	10 kg
MAX load:	100 kg



## 8. DECLARATION OF CONFORMITY – CE

The company F&N composites srls, with registered and operational headquarters in via Santo Stefano 11, 04016 Sabaudia (Lt), in the person of Ilaria Serrapica, as legal representative expressly delegated for this purpose and under her responsibility,

DECLARE

that the following scooter:

LEONARDO

It appears to COMPLY with European directives:

- 2006/42/CE
- 2004/108/CE

He also declares that he followed the following technical standards for construction:

- UNI EN 17128

Furthermore, indicate below the person authorized to compile the technical file:

Nicola Del Vecchio, Technical Manager

**FN**  
F&N Compositi srls  
Via Santo Stefano 11 ZI Borgo San Donato  
04016 SABAUDIA (LT) - P.IVA 02 833 280 593  
SDI MSUXCR1  
*Ilaria Serrapica*