

**EN**

**V.5 2025**



OWNER'S HANDBOOK  
ASSEMBLY & MAINTENANCE

# **SUPER73-S2**




CORE MODEL, SPECIAL EDITION, LIMITED EDITION

# WELCOME!

Please read this owner's handbook carefully before using your SUPER73 in order to become thoroughly familiar with the correct operation of your bike's controls, its features, capabilities, and limitations. This handbook includes safe riding tips, but does not contain any of the techniques and skills necessary to ride an electric bicycle safely.

## Join the Supersquad community of riders wherever you are!

This is just the beginning of your adventure with us! We look forward to hearing about your experience and seeing you online on our social networks:

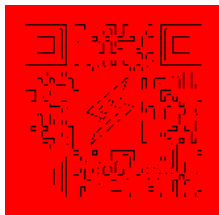
-  [Instagram.com/super73](https://www.instagram.com/super73)
  -  [Youtube.com/c/super73](https://www.youtube.com/c/super73)
  -  [Facebook.com/groups/Super73owners/](https://www.facebook.com/groups/Super73owners/)
- Tag us! @Super73 #Super73

## CONTACT SUPER73 North America:

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San Clemente, CA 92673

[support.super73.com](https://support.super73.com)

Scan this QR code to access our helpful assistant or connect with our support team.



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This handbook was drafted in the English language (Original instructions) and may have been translated into other languages as applicable (translation of Original instructions).

This handbook contains information on the SUPER73 electric bikes. Always store this Owner's Manual with the SUPER73 and refer to it for information whenever necessary. The information contained in this publication is based on the latest information available at the time of printing.

Please note all instructions and notices are subject to change and updates without notice. Please visit [support.super73.com](https://support.super73.com) for periodic tech updates.  
Feedback: [support.super73.com](https://support.super73.com)

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## + MISSION STATEMENT +

SUPER73 exists to create adventure and **community**. We strive to bolster adventurous exploration through **innovation**, create positive and forward-thinking experiences with **integrity**, and cultivate enthusiastic support and vision for the community.



# GENERAL INFORMATION

Please note the following symbols:

 **WARNING!**  
Warnings, precautions, and potential risks associated with the use of your SUPER73.

 **Danger!**  
Potential dangers to safety if respective calls to action are ignored.


 **Tip!**  
Recommendation! Meaningful additional information.


Please perform a safety check before each use, as described on in the “Pre-ride Safety Check” section on pg. 14 of this handbook.

**Do not ride your SUPER73 if it has been assembled incorrectly. Riding an incorrectly assembled bike may put your own safety at risk as well as others.**

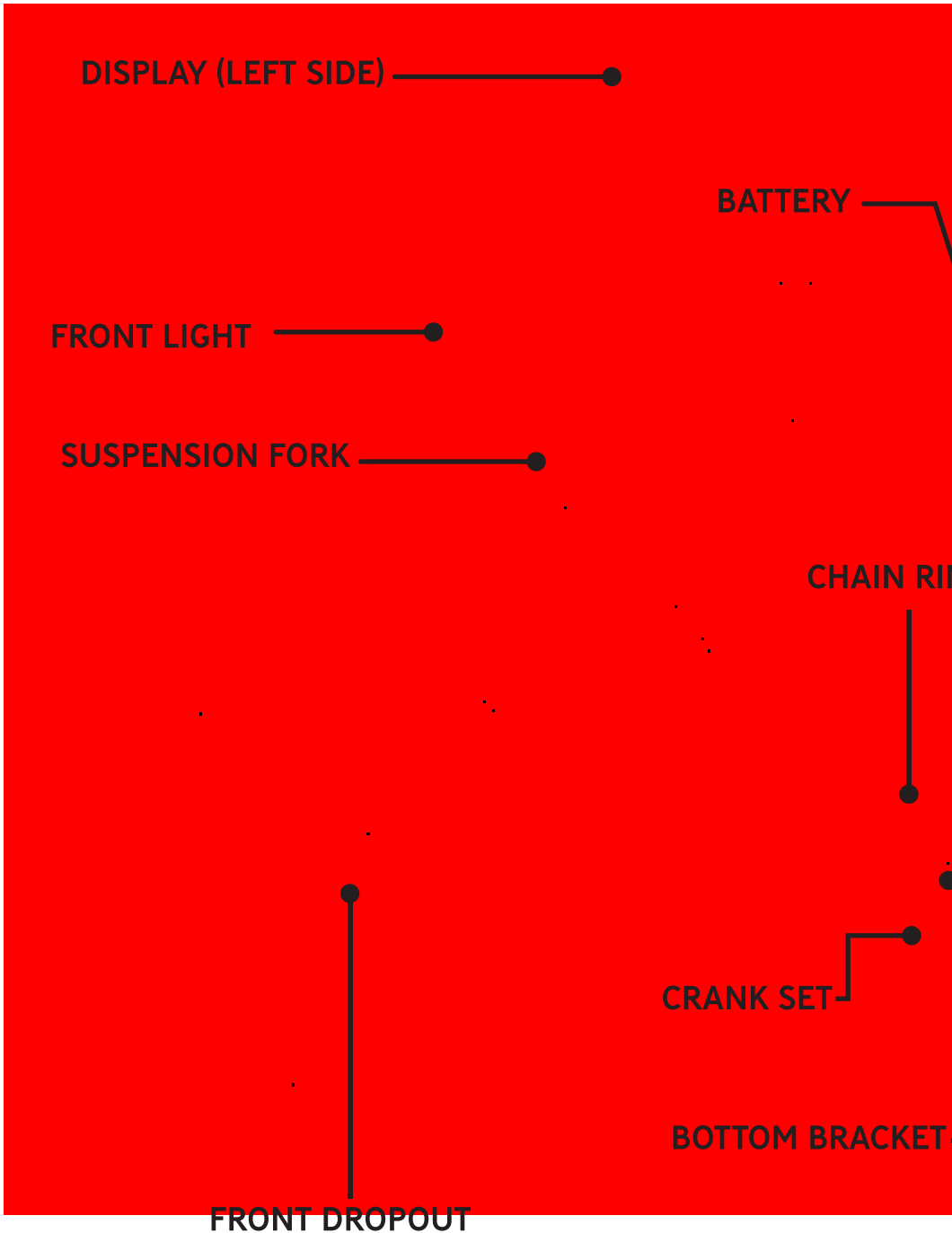
If you feel uncertain about proper configuration after assembling your SUPER73 according to the provided assembly instructions, please contact your specialized retailer or SUPER73 directly.

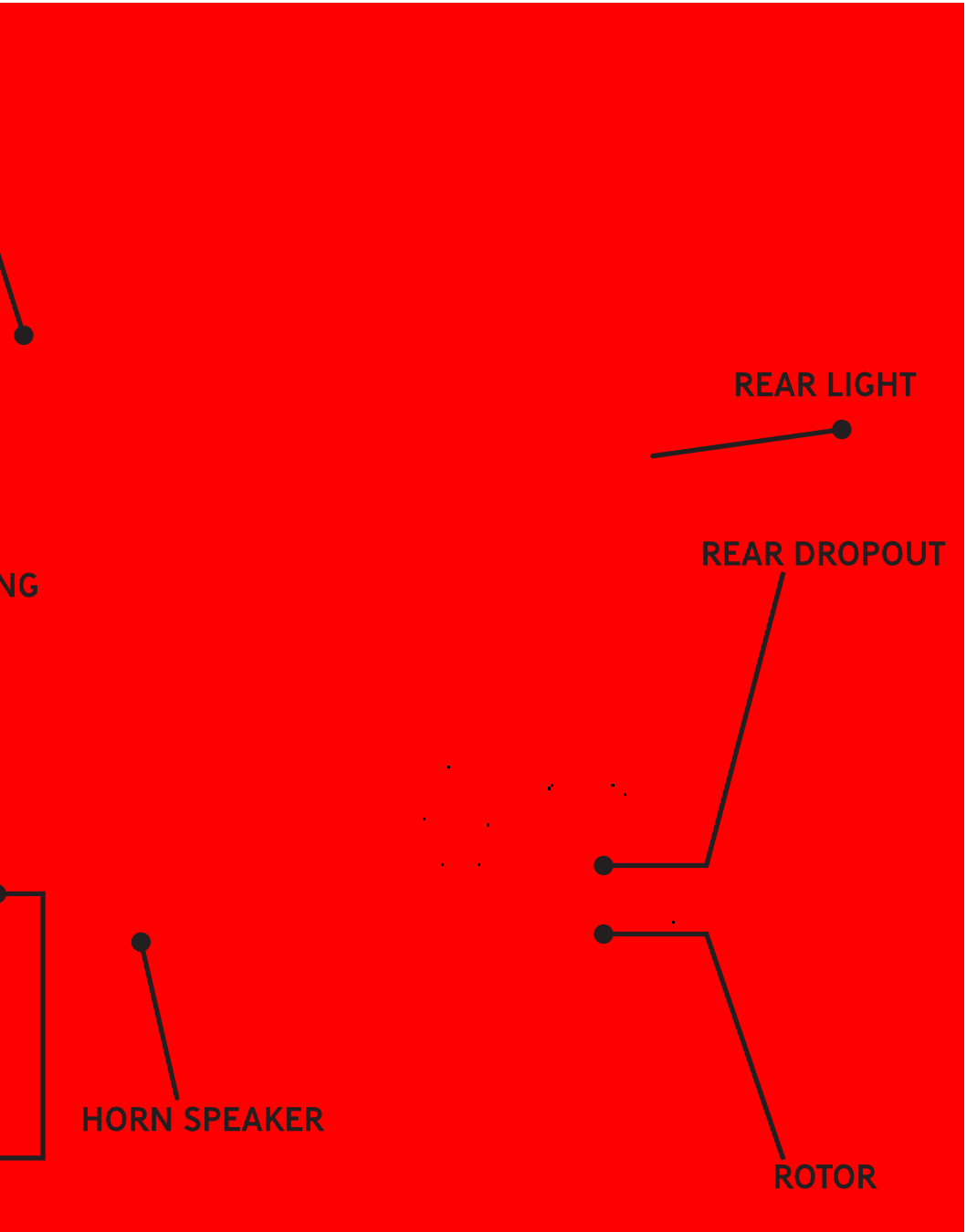
 **If any of the instructions are beyond your skill set, we recommend taking your SUPER73 to a certified E-Bike specialist or professional cycle mechanic for assembly.**

 **This handbook includes details of maintenance work which must be carried out at frequent intervals to maintain an operational and safe SUPER73. Never perform work on your SUPER73 beyond instructions in this handbook. This handbook is not intended as a comprehensive use, service, repair or maintenance handbook; maintenance beyond that which is set out in this handbook is to be handled by an E-Bike specialist or professional cycle mechanic.**


 **DANGER!**  
Please read the handbook, including the assembly instructions in full before beginning to build your new electric bike to ensure the proper functioning of it. Failure to do so will give rise to a risk of injury, death and/or property damage.

# DIAGRAM OF THE SUPER73-S2






# LEGAL REQUIREMENTS

 Please check your country or state's regulations on electric bikes before riding. There are variations on age limit, speed, motor wattage, and road accessibility. Visit this website for more information: <https://super73.com/laws-and-policies-for-e-bikes>


In most European countries and Australia, the rules of public traffic valid for bicycles also apply to e-bikes traveling up to 25 km/h. However, there are some notable differences (such as the age limit of the cyclist). More information here: <http://bike-eu.com.s3-eu-central-1.amazonaws.com/app/uploads/2015/09/rules-regulation-on-electric-cycles-in-the-european-union-may-2017.pdf>


 For the latest information on assembly and maintenance, please visit [support.super73.com](http://support.super73.com)


## INTENDED USE

No liability or warranty shall be accepted if the use of the SUPER73 deviates from this intended use (as set out within this handbook), if safety instructions are not observed, in the event of overloading, or if faults are not properly rectified. Similarly, no liability or warranty shall be accepted in the event of assembly errors, intentional acts, accidents, and/or any failure to follow care and maintenance specifications or to observe warnings set out within this handbook. Further, any modification or alterations to the electrical system (tuning) voids all claims under warranty and guarantees.

- Your SUPER73 electric bike is designed for use on paved paths only. You should therefore never ride on stairs, jump, or perform wheelies or similar activities.
- SUPER73 electric bikes are not approved for participation in competitions.
- Commercial use does not form part of the intended use.
- Operation parameters, maintenance, guidelines, and service instructions described in this manual are part of the intended use.
- The handlebar of your SUPER73 has a fixed height and is not adjustable.
- Towing a trailer with excessive weight may damage the SUPER73 and void the bike's warranty.
- The SUPER73 has not been designed to accommodate a child seat.

 The curb weight of the SUPER73-S2 CORE is 73 lbs (33kg). Please observe the permitted maximum payload of 325 lbs (147kg).

 The curb weight may vary slightly between SE and LE trims.

 **DANGER!** If the user rides the SUPER73 beyond its intended use, (as outlined within this handbook), this will give rise to a risk of injury, death and/or property damage.

# GETTING STARTED



## DANGER!

Please read the instructions entirely before assembly to ensure the proper functioning of the SUPER73. Failure to do so could result in serious injury or death and the risk of potential injury to those around the user.



## VIDEO

View our assembly video to follow step-by-step instructions on our website at [support.super73.com](http://support.super73.com)



Please **read all assembly instructions in full** before beginning the build of your new bike.



If any serious damage has occurred to your SUPER73 during transit, please submit photos to SUPER73.

## IN THE PACKAGING

- 1 x lithium-ion battery
- 2 x keys for the battery
- 1 x battery charger
- 1 x set of pedals
- 1 x two-sided open-end wrench with 15mm and 13mm ends
- 1 x 5mm hex wrench
- 1 x package of additional accessory hardware
- 

## ADDITIONAL RECOMMENDED TOOLS:

- 2.5 mm hex wrench
- 4 mm hex wrench

## GOOD TO KNOW:

- Bolts for the handlebars mount are M6 X 12mm socket head cap screws.
- Right pedal has the letter "R" inscribed on it, the left pedal has the letter "L" inscribed on it.
- 5mm Allen key can also be used to adjust brakes.
- Tire inner tube size is 20"x4.5/5" for the rear and front with Schrader valve.



## DANGER!

Before performing any work on your SUPER73, turn off the power system and remove the battery. Be sure to also turn off the power system and remove the battery during transport in a vehicle. Involuntary activation of the pedal assistance system presents a risk of injury, death and/or property damage.

# ASSEMBLY INSTRUCTIONS

**DANGER!**  
Do NOT ride your SUPER73 if it has been assembled incorrectly. Riding an incorrectly assembled e-bike will give rise to a risk of injury, death and/or property damage. Before you ride your e-bike (including before the first use and before all subsequent uses), perform the Pre-ride Safety Check on pg. 14.

## I. HANDLEBAR INSTALLATION

- Use the **5 mm hex wrench** to remove the bolts from the handlebar clamp.
- Once the clamp is open, place the lower crossbar of the handlebar in the groove of the top crown.
- Loosely tighten the handlebar clamp with the **5 mm hex wrench**, and adjust the angle of the handlebar to the rider's comfort.
- Cross-tighten the handlebar clamp from corner-to-corner making sure the clamp is tight and the handlebars do not move.



## 2. INSTALL PEDALS

- A. Install and tighten the pedals using the **15 mm open wrench**. Look for a letter marking "L" "R" on each respective pedal and make sure you install the **left pedal on the left crank, and the right pedal on the right crank**.
- B. The right pedal is screwed on in a clockwise direction. The left pedal is screwed on by turning it counter-clockwise.



## 3. TIRE INFLATION

For transport purposes, tires are packed partially inflated. Tires must be inflated using a pump with a Schrader valve tip to a recommended 18 - 25 PSI (1.24 - 1.72 bar).


- A. Inflate the tube to a max pressure of 30 PSI (2.06 bar) in order to ensure the tire is properly seated in the rim.
- B. Once properly seated, deflate to a recommended 18-25 PSI (1.24-1.72 bar). PSI will vary based on the weight of rider and type of terrain.



The inner tube size is 20"x4.5/5" for the rear and the front.



## 4. CHARGE THE BATTERY


 We recommend charging the battery for 6-8 hours on the first charge. This will help condition the lithium-ion cells for optimal performance.

The battery can be charged both mounted on the bike or separately from the bike. Two keys are supplied to unlock and lock the battery.


- A. Plug the charger into a 120v wall outlet.
- B. Connect the charger cable to the battery charging port. Make sure to properly align the charge cable to the charging port.
- C. Turn the battery on by pressing the power button. The power button will illuminate when pressed to indicate it is on. The battery will not charge unless it is switched on.
- D. The throttle is disabled during the charge sequence and a charge icon will appear on the display during the charging process.

When the charging process starts, the charger LED turns red. Once the battery is charged, the LED turns green.

- A. Turn the battery off.
- B. Remove the charger cable from the battery charging port.
- C. Remember to put the protective cap back onto the battery charging port after charging to protect it from dirt and moisture.
- D. Unplug the charger from the socket.

 Always make sure that there is plenty of ventilation and a dry, fireproof environment for the charger, including before and after connecting the charger. In addition:


- Do not leave the battery connected to the active charger for more than 12 hours.
- Do not leave the charger connected to a power socket for more than 48 hours.
- Charge the battery and use the bike at least once every 90 days.
- Do not store the bike for more than 24 hours with an empty battery. This prevents a deep discharge with irreparable consequences from occurring.
- Do not use the charger if the charger, main cable, or connector cable has any visible signs of damage, or if you are aware that they have been damaged.
- After being charged, if the battery remains connected to the charger, it will turn on and off again in short spurts of green light. This is not a defect. It simply indicates that individual battery cells are being slowly charged. Nevertheless, make sure that the battery is not connected to the charger for more than 12 hours.

 More information on range and battery care can be found in the Maintenance and Components section on pg. 26 of this handbook.

### Battery Range

Power output will vary depending on battery capacity. If your battery is at 20%, for example, it won't have as much power as a fully charged battery. If your SUPER73 has been shipped to you along with the battery, please fully charge the battery first. When a battery leaves the factory, it's not fully charged as required by international air and sea legislation. Battery is fully charged when the LED light on the charger is green.

## ASSEMBLY IS FINISHED!

 You're almost ready to ride! **Before your first ride (and all subsequent rides)**, please verify your bike is safe to ride using the pre-ride safety check on pg. 14.



## REGISTER YOUR SUPER73

 All original owners must register on our website to validate your warranty.

Please register online at: <https://super73.com/register-product/> or scan the QR code.



Write down below the following information for future reference:

Location or website of purchase: \_\_\_\_\_

Date of purchase: \_\_\_\_\_

Model name: SUPER73-S2 / S2 LE / S2 SE

Bike Serial #: \_\_\_\_\_  
(Engraved on the underside of the bottom bracket in between the pedal cranks)


Battery Serial #: \_\_\_\_\_


Battery Key #: \_\_\_\_\_

 We recommend that you keep your original receipt with this handbook.

# PRE-RIDE SAFETY CHECK

**NOTE:** The Safety Checks DOES NOT take the place of ongoing preventative maintenance (as detailed from page 25 to 31) .

 **DANGER!** Ensure that this pre-ride safety check is carried out before each and every use of your SUPER73 including the first ride. Failure to do so will give rise to a risk of injury, death and/or property damage.

 Make sure the brakes have already been applied before getting on to your bike. If the assistance mode is turned on, your SUPER73 will start moving as soon as you push on the pedal. The unfamiliar push can otherwise cause a fall, hazard, or accident.

## CHECKLIST:

### 1. WHEELS

- Check the condition of both tires and make sure that the tread is in good condition, and free from punctures, cracks, and deformations.
- Maintain proper tire pressure. We recommend a range of 20-25 psi (1.38-1.72 bar) dependent on the weight of the rider and the type of terrain.
- Make sure that the wheels are true and properly dished.
- Make sure that the wheels are properly seated in the dropouts and that the wheel nuts are tight and secure.

### 2. BATTERY

- Check that the battery is inserted securely: push the battery into its holder until it clicks into the lock. Remove the key from the lock and pull the battery to check if it has indeed locked into place.
- Check the charge status of the battery. Familiarize yourself with battery charging and storage best practices.



More information on battery maintenance in our Maintenance & Components section of this handbook on pg. 26.

### 3. BRAKES SYSTEM

- Pull both brake levers. You should feel an obvious pressure point and the levers should not be able to touch the handle.



More information on brakes in our Maintenance & Components section.

### 4. CABLES

- Look out for any loose cables.
- Make sure that every male and female plug is properly connected.
- There should be no strain on any wiring near the fork when turning the handlebars from left to right.
- Verify that the wiring on the frame is secure and free from any moving parts that may damage the wiring. This includes any wires and brake cable lines near the wheel or other moving parts.

### 5. DISPLAY

- Check that your display turns on and functions properly.

### 6. KICKSTAND


- Make sure that the kickstand is tightly secured, and not rubbing against the ground or tires.


# OPERATING THE BIKE

## DANGER!

Batteries that have not been fully inserted and locked can come loose during a ride and fall out. This can cause a crash and damage the battery.

Do not place the key or any other metal object into the charging port as this can result in a short circuit, rendering your battery nonchargeable and in need of replacement. This will void the warranty.

 Do not sit on an e-bike while the kickstand is supporting the e-bike.

 Perform the brake pad bed-in process before your first ride. For more information, please see pg. 28.

## I. POWERING E-BIKE ON



- Disengage the kickstand, grab the brake handle to engage the brakes, and seat yourself on the SUPER73.
- Press the battery power button to turn the e-bike on.
- Once the display screen is illuminated, the throttle or pedal assist will be active and you're ready to ride.

## 2. CHANGING THE INFORMATION VIEWED ON THE DISPLAY



- Quick press the "O" button to toggle the information viewed on the display.
  - Speed (mph)
  - Range (miles)
  - Pedal Assist (0-4)
  - Total (miles)

## 3. OPERATING THE HEADLIGHT



- The SUPER73-S2 comes equipped with a front headlight and rear brake light.
- To activate the headlight, press and hold down the up "." button on the display until the lights illuminate. Follow the same step to turn off the lights.
- The rear light will get brighter when the brake levers are engaged whether the headlight is on or off.



## 4. PEDAL ASSIST



To select your pedal assist mode, follow these steps once the display has been turned on and you are seated on the SUPER73:

- Press on the menu “O” button briefly to switch between display views until “Assist” appears on the screen.
- Press the up “^” button to increase the pedal assist level. To decrease the assist level, press the down “v” button. Pedal assist ranges from 1-4, with 0 meaning pedal assist is turned off. The higher the level, the more electric assistance you’ll get, and the less you’ll have to pedal.
  - Level 1 (ECO) - 25% Speed Power
  - Level 2 (TOUR) - 50% Speed Power
  - Level 3 (SPORT)- 75% Speed Power
  - Level 4 (SUPER) - 100% Speed Power
- Once you begin pedaling, the pedal assist sensor will activate the motor and you will begin to accelerate to the selected assist level.

## 5. BRAKING



- The brake levers are equipped with brake sensors that cut power to the motor when the levers are compressed.
- The SUPER73-S2 CORE employs hydraulic brake systems.
- The SUPER73-S2 SE and LE may employ hydraulic brake systems depending on the trims.
- The SUPER73 brake orientation is as follows:
  - Rear brake = right lever**
  - Front brake = left lever**

## 6. SETTINGS MENU




- Hold down the “O” button on the display to activate the settings menu.
- The settings options include:
  - Contrast - display window contrast 0-100.
  - Units - standard is set to mi/F.
  - Position - changes the orientation of the display if it is on the left or right side of the e-bike.
  - Backlight - display backlight power 0-100.
  - Version - indicates the software version of the system.
  - Coin - provides the charge level of the display’s 3 V battery.

## 8. TURNING OFF THE BIKE



- When you are done riding your SUPER73, it is important to turn off the power properly.
- Turn off the e-bike by pressing the power button on the battery. The light on the power button should turn off when properly powered down. The e-bike will automatically shut off when left idle for more than 5 minutes.
- You can charge the battery while it's on the SUPER73, or by removing the battery from the mount and charging it separately.

# SUPER73 APP

 Never ride and adjust settings on your app while in motion. Pull over and practice safe riding. By operating your bike and the app simultaneously, you put yourself at risk for collision and serious injury.

Each Super73-S2 comes programmed in the Class-2 ride mode, which allows for throttle operation and pedal assist riding up to 20mph. This allows the S2 to be legally ridden on most bike paths without a license, insurance, or registration.

For more information on using the SUPER73 App, please refer to the SUPER73 App page <https://super73.com/super73-app> on our website.

Scan the QR code to download the SUPER73 app!



# SUSPENSION ADJUSTMENT GUIDE

## If applicable

The fork on your S2 CORE defaults to a baseline setting. Follow the guides below to adjust the suspension to your desired comfort level.

Depending on the trims, SUPER73-S2 SE & LE may come equipped with a different suspension fork model.



If any of the instructions are beyond your skill set, we recommend taking your SUPER73 to a certified E-Bike specialist or professional cycle mechanic for adjustments.



Changing suspension adjustment can change the handling and braking characteristics of your SUPER73. Never change suspension adjustment unless you are thoroughly familiar with the suspension system instructions and recommendations, and always check for changes in the handling and braking characteristics of the SUPER73 after a suspension adjustment by taking a careful test ride in a hazard-free area.

## Your Super73 comes equipped with adjustable spring front fork

Key adjustments include:



### I. Preload (Spring Stiffness)

- **Location:** A black dial on the top left (L) fork leg.
- **Purpose:** Adjusts the stiffness of the fork based on rider weight.
- **How to Adjust:**
  - Turn **clockwise** to increase stiffness (heavier riders or aggressive riding).
  - Turn **counter-clockwise** to decrease stiffness (lighter riders or comfort focus).
  - Fork is equipped with a "lockout" feature. Turn "all the way" **clockwise** to remove all up and down suspension movement.
- **Tip:** The ideal sag (fork compression with rider sitting) is around 15% of total fork travel. ( or approximately 1-2 cm)

## Measuring Sag:

The recommended SAG for the front fork is between 10-20mm(1-2cm) into the travel, which can be measured with the rubber bumper found on the lower portion of the left (L) stanchion. To measure SAG, place your bike somewhere level where you can safely put your full weight on the bike while balanced. It is recommended to have a friend help balance the bike during this portion of the adjustment.



- Slide the rubber bumper all the way down to the top of the fork stanchion. Then seat yourself on the bike, and engage the brakes. While holding the brakes move yourself into an aggressive standing position with your feet on the pedals.
- Dismount the bike and measure the amount of travel between the bumper and the rubber seal on the stanchion. If the measurement is more or less than 10-20mm, adjust the fork preload appropriately.

## 2. Compression

The recommended SAG for the front fork is between 10-20mm(1-2cm) into the travel, which can be measured with the rubber bumper found on the lower portion of the left (L) stanchion. To measure SAG, place your bike somewhere level where you can safely put your full weight on the bike while balanced. It is recommended to have a friend help balance the bike during this portion of the adjustment.



- **Location:** A dial on the top right (R) of the fork leg.
- **Purpose:** Adjusts how much the fork resists compression.
- **How to Adjust:**
  - Use a **firmer setting** for paved roads or aggressive cornering.
  - Use a **softer setting** for off-road or rough trails.

## 3. Terrain-Based Tuning

Terrain	Preload	Compression
Urban (street)	Medium	Firm
Trail (dirt)	Medium-High	Soft-Medium
Downhill	High	Soft
Comfort Ride	Low	Soft

## 4. Maintenance Tips

- Check suspension bolts and mounts every month.
- Clean fork stanchions and seals after muddy or dusty rides.
- Service suspension annually.

# **GENERAL WARNINGS**

Like any sport, cycling involves risk of injury and it is the rider's responsibility to assume potential risks and injury involved when riding. By choosing to ride a bicycle, you assume the responsibility for that risk. You need to know and practice the rules and safety regulations of riding this bicycle. Proper use and maintenance of your bicycle reduces risk of injury. Check your local, state, or country regulations for electric bike laws. For example, check the minimum age for using an electric bike, as this differs in various regions.

Riders must have the physical condition, reaction time, and mental capability to ride and manage traffic, road conditions, and sudden situations. Also, respect the laws governing E-Bike use in accordance with each region. If you have an impairment or disability (i.e. visual impairment, hearing impairment, physical impairment, cognitive/language impairment, seizure disorder, etc.), consult your physician before riding any bicycle. Never ride the e-bike while under the influence of drugs or alcohol or while intoxicated in any manner.

**NOTICE:** Only take on tasks for which you have the necessary knowledge and tools. It is recommended that users pay special attention to all of the general operating rules below before operating their SUPER73 bike.

- When riding, obey the same road laws as other road vehicles, including giving right of way to pedestrians and stopping at red lights and stop signs.
- Use correct hand signals to indicate turning or stopping.
- Pay attention to the path ahead. Avoid potholes, gravel, wet or oily roads, curbs, train tracks, speed bumps, and other obstacles.
- Keep both hands on the handlebar at any time, especially when steering or braking.
- Walk your e-bike across all train tracks.
- Expect the unexpected, such as opening car doors or cars backing out of driveways.
- Be extra cautious at intersections and when preparing to pass other vehicles or other cyclists.
- Familiarize yourself with all of the e-bike features. Practice using the brakes and throttle.
- If you are wearing loose pants, secure the bottom using leg clips or elastic bands to prevent them from being caught in the chain.
- Wear proper riding clothes and avoid wearing open-toe shoes.
- Don't carry passengers or cargo that will interfere with your ability to control the e-bike.
- Never ride and use the app simultaneously. Pull over in a safe spot before adjusting any app settings or set your destination in the navigation while parked in a safe spot.
- Don't use music devices such as headphones while riding. This will restrict your hearing and impair your awareness of your surrounding environment.
- Maintain a comfortable stopping distance from all other objects, riders, and vehicles. Safe braking distances are based on a variety of forces, such as weather, traffic and lighting conditions, among other variables.

## WET WEATHER



It is recommended to not ride in wet weather. The SUPER73 is not meant for use in puddles, heavy rain, and streams. Never immerse this product in water as the electrical system may be damaged. Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to serious injury from a fall. Brake earlier as it will take longer to slow than when operating in dry conditions. Decrease riding speed. Wear reflective clothing and use approved safety lights. Road hazards are more difficult to see when wet, proceed with caution.

## RIDING AT NIGHT



Be safe! It is recommended to not ride at night. Ensure your SUPER73 is equipped with a full set of correctly positioned and clean reflectors. Use a properly functioning lighting set comprised of a white front light and red rear light. Wear reflective and light-colored clothing. Slow down and use familiar roads with street lighting, if possible.

## FOR PARENTS AND GUARDIANS



As a parent or guardian, you are responsible for the activities and safety of your child. The SUPER73 is not designed for use by children under the age of 16. Obey local regulations and always wear a helmet.

## REPLACEMENT PARTS



Use only genuine parts from SUPER73 for safety-critical components including: battery, charger, motor, throttle, display, controller, lighting components, and wiring harnesses. Failure to do so could cause injuries, damage the bike, and invalidate the warranty.




When replacing components such as tires, inner tubes, and brake pads, use only parts that comply with SUPER73 recommended specifications in sizing and quality as directed.

## TAMPERING



Do not, in any way, tamper with the electrical components of the SUPER73. Tampering includes opening the protective casing of the motor, battery, charger, or breaking any tamper evident seals, as well as any other modifications of components or the electrical system. Tampering with any of the electrical system could result in serious personal injury or damage to the bike.

# IMPORTANT SAFETY INSTRUCTIONS

 **WARNING** – When using this product, basic precautions should always be followed, including the following:

- Read all the Owner's Handbook instructions before using the product.
- To reduce the risk of injury, close supervision is necessary when the product is used by children.
- Always wear an approved bicycle helmet whenever using this product and ensure that all helmet manufacturer instructions are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death in the event of an accident.
- Ensure the Pre-ride Safety Check (set out on page 14 of this Handbook) is performed on your bicycle after assembly and before each and every use of your SUPER73 (including the first ride).
- It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.
- Ensure handlebar grips are not damaged and properly installed. Loose or damaged grips can cause you to lose control and fall.
- Off-road riding requires close attention and specific skills, as it presents variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas.
- Bicycles and bicycle parts have strength and integrity limitations, and extreme riding should not be performed, as you risk damaging the components or becoming seriously injured.
- After any incident, you must consider your bike unsafe to ride until an inspection is made, according to the provided safety check in the user handbook. Consult with a professional cycle mechanic for a comprehensive inspection.
- Failure to properly charge, store, or use your battery will void the warranty and may cause a hazardous situation, including a risk of fire.
- Extreme care should be taken when using the pedal assist sensor and propulsion on this product. Ensure you understand, and are prepared for the power assistance to engage as soon as pedaling is underway.
- You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor that shuts down the power to the electric motor whenever the brakes are engaged.
- Users must understand the operation of the throttle and pedal assist levels before using, and take ample care in their usage at speeds appropriate for each region and user experience level. Use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.
- Because E-Bikes are heavier and faster than normal bicycles, they require extra caution and care while riding.
- Do not remove the front, rear or pedal reflectors.
- Never ride the e-bike while under the influence of drugs or alcohol or while intoxicated in any manner.
- Any after-market modifications to any electrical component on your SUPER73 not expressly approved by SUPER73 may void the warranty and create an unsafe riding experience.
- Do not put fingers or hands into the product, including the wheels, tires, battery and electrical system, as this will give rise to a risk of injury.

- Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
- This equipment is not intended to be used at ambient temperatures less than 4°C (40°F) or above ambient temperatures of 85°F.
- The battery is intended to be charged when the ambient temperature is between 40°F and 85°F. Never charge the battery when ambient temperatures are outside this range.
- The A-weighted emission sound pressure level at the driver's ears is less than 70 Db(A).
- Some parts of your SUPER73 bike will heat up during usage, such as brake rotors or chargers; be careful not to touch them immediately after use.



**SAVE THESE INSTRUCTIONS**

# MAINTENANCE SCHEDULE



## **DANGER!**

Intensive use of the SUPER73 may cause possible damage to the frame and the fork. It is important to inspect the frame and the fork and look for signs of cracks. A broken or cracked frame and fork can cause an accident and injury. Refer to the Intended Use section on pg. 8.

In order to prolong the life expectancy of your bike, here is an example of a maintenance schedule, under intended use, that we recommend:

### **I. BEFORE AND AFTER EACH RIDE**

- Check the alignment of the wheels.
- Check the state of charge of the battery.
- Check that brakes function properly.
- Check tires for any punctures.
- Store the bike carefully in a clean and dry place.
- Check that your kickstand is tightly secured.
- Check for loose cables or wires that may be strained when turning the front wheel from left to right.
- Inspect all hardware to ensure it is properly tightened.

### **2. EVERY MONTH**

- Inspect the handlebar and steer tube for any unusual movement.
- Check the cables, tires, handles.
- Check the wear of brake rotors, brake pads, and replace them if necessary.
- Check the tension of the spokes, and ensure that the wheels are true and properly dished.
- Lube the chain and check the tension in the chain.
- Inspect all hardware to ensure it is properly tightened.

#### **IF ADJUSTABLE SUSPENSION :**

- Inspect suspension components for wear and make any necessary adjustments.

### **3. EVERY SIX MONTHS (depending on frequency and type of use)**

- Inspect the frame and fork and look for signs of cracks in the metal.
- Check the bottom bracket and crankshaft and tighten the bolts on each crank.
- Check and grease the wheel hubs, headset, all parts in friction.

#### **IF ADJUSTABLE SUSPENSION :**

- Grease suspension components and tighten hardware.



For your own safety, if any of the recommended maintenance procedures are not within your skill set, we advise taking your SUPER73 to an E-bike specialist or professional cycle mechanic for inspection.



## **DANGER!**

Do not continue to ride your SUPER73 if any failure of hardware including bolts and fasteners integral to the brake system or wheel assembly should occur. Riding your SUPER73 with failed or missing hardware may put you at risk for potential injury or death.

# MAINTENANCE & COMPONENTS



## DANGER!

Before performing any work on your SUPER73 electronics system, turn off the system and remove the battery. Involuntary activation of the SUPER73 system poses a risk of injury.

## WASHING AND CARING FOR YOUR BIKE

Dirt, salt, and other elements can damage your bike. Regularly clean your SUPER73 and protect it against corrosion. Use clear water for cleaning and a gentle soap if necessary to dissolve grease and other residues. Do not spray water directly onto your SUPER73.

Instead, use a lightly damp cloth to wipe down any dirt or debris. After drying your bike, treat surfaces with a care product. Finally, wipe all parts with a clean, soft cloth.



**DANGER!** Do not clean your SUPER73 with a strong water jet or steam jet from a short distance, and take particular care not to spray water on or near the battery. This can damage the battery and create a risk of fire. In addition, the water can get past the seals and get inside the bearings. Lubricants are then diluted, increasing friction. In the long run, the bearing surfaces will deteriorate.

## TIRES / WHEELS

Tire size can vary depending on the bike trim. To determine the tire sizes for your bike, please examine the hot patch on the sidewall.

A comprehensive tire compatibility chart is available on [Super73.com](http://Super73.com)



The tires are designed for durability and safety for regular cycling activities. However, tires must be checked before each use for proper inflation and condition.

Proper inflation, good maintenance, and quick replacement will help ensure that the operational characteristics of your bike will be maintained and dangerous conditions avoided.

Tires must be inflated using a pump with a Schrader valve tip with a recommended pressure between 18-25 PSI (1.24-1.72 bar). Check the condition of the tires and rims for damage, cracks or deformation. The minimal tightening torque of the wheel nuts is 16ft/lb (21.69 Nm).

It is essential that the proper air pressure is maintained in the tires all the time. Do not under-inflate or over-inflate your tires. Low pressure can cause loss of control and tires that are too inflated can burst. Failure to maintain proper air pressure rating indicated in the handbook may at any time result in tire and / or wheel failure.

Inflate your tires from a regulated air source with an available manometer. Inflating your tires with an unregulated air source could over-inflate them, resulting in an exploded tire. When tire wear becomes obvious or a hole in the tire is found, you must replace the tires and/or tubes before using the bike, otherwise injury to operators and/or damage to your bike could occur.



In addition to proper inflation, correct wheel alignment helps to decrease tire wear. If you find a tire is worn unevenly, have a professional cycle mechanic check the wheel alignment.

## HELMETS / REFLECTORS

A properly fitting ANSI or SNELL, (or CE if you are located in Europe), approved bicycle safety helmet should be worn at all times when riding your bicycle, or recommended per your local laws. Always wear a properly fitted helmet that covers the forehead when riding a bicycle. Many states require specific safety devices. It is your responsibility to familiarize yourself with the laws of the state where you ride and to comply with all applicable laws, including properly equipping yourself and your bike as the law requires.

Reflectors are important safety devices that are designed as an integral part of your bicycle. Federal regulations require every bicycle to be equipped with front, rear, wheel, and pedal reflectors. These reflectors are designed to pick up and reflect street-lights and car lights in a way that helps you to be seen and recognized as a moving bicyclist. Check reflectors and their mounting brackets regularly to make sure they are clean, straight, unbroken, and securely mounted.

## BRAKES



Brakes are an integral part of the operation of your bike and must be properly maintained, adjusted, and replaced when necessary. If any of these tasks are not within your skill set, we recommend taking your bike to an E-Bike specialist or professional cycle mechanic.

For optimum braking performance, SUPER73 bikes are equipped with 2 piston Hydraulic brakes depending on all S2 trims.

The SUPER73 brake orientation is as follows:

Rear brake = right lever

Front brake = left lever

### Hydraulic brakes:

On a hydraulic disc brake, pad wear is compensated automatically. Simply check the alignment of the pads with the disc and check that the wheel is aligned too. Good alignment ensures the absence of noise and normal wear of the pads.

To ensure maximum service life of the brake components, avoid contamination of the pads and the disc by greasy substances. Regularly check the condition of your cables, ducts or harness and the wear of your pads.

Some discs are only compatible with "resin" pads. Do not use a metal pad with discs marked "resin".

For better ergonomics and safety, we advise you to adjust the brake levers in a position that places it as a natural extension of the user's arms. If you have any questions or concerns, please contact SUPER73.

## NEW BRAKE PAD & ROTOR BED-IN PROCESS

Any time you replace your brake pads, rotors, or both, it is important they are properly bedded for optimal performance. To bed your brakes properly after replacement, accelerate your bike up to 20mph and then engage your brakes to bring the bike to a near stop, then repeat the process up to 8-10 times. This process allows your pads to wear evenly as well as remove surface glaze and contamination from installation. Surface glaze on pads may cause "squealing brakes."

## REPLACING THE PADS

When pads are worn, make sure to adjust both clearances between the rotor and pad so that they are equal and balanced. If only one side is adjusted, it may cause braking failure.

1. Pads and pad holders are held in place by a cotter pin on the caliper. To remove the pads and pad holder, straighten the cotter pin and remove, then gently push out the pads and holder. This may be easier to achieve by using an Allen wrench.
2. Once free of the caliper, the pads may be easily removed from the pad holder.

## BATTERY



The battery is the most important component of your SUPER73. By following the best practices below, you can optimize its life:

- Do not store a discharged battery. It could go into deep discharge which will reduce its life. Batteries in deep discharge are not covered under warranty.
- Do not use more than one battery at a time.
- Make it a habit to recharge at the end of each ride, so your bike will always be ready to go again.
- Even if the battery can withstand storage temperatures of 23°F - 104°F (-10°C - 40°C), you can optimize its shelf life by storing it at room temperature 65°-75°F (18° - 23°C).
- Observe operating conditions between 40°F - 85°F (4°C - 30°C).
- Do not leave your battery exposed to high temperatures or direct sunlight for long periods of time (for example, on the back of a car in direct sunlight).
- Please ensure that the contacts are always clean and do not insert metal objects.
- Do not dispose of the battery in your trash. There are proper disposal methods for lithium-ion batteries. Please check your local waste management regulations.



Please follow proper charging instructions before charging the battery found on pg. 12. To charge the battery, use only the original charger or charger approved by the manufacturer. Remove the battery from the charger and disconnect the charger from the power supply when charging is complete.

## RANGE

The maximum range of a full charge depends on many variables such as: age of battery, type of terrain and incline, rider weight, speed, outside temperature, driving style, amount of pedaling, or tire pressure.

### Range in cold weather:

- Battery capacity will be temporarily reduced when it is cold. This is a normal phenomenon and is not indicative of a damaged or defective battery. Once the battery has been warmed up, the battery capacity should return to normal.
- The battery should be stored and charged at room temperature during cold days. The power consumption warms the battery and you benefit from a good battery life, even when it is cold outside.
- During cold weather, plan for shorter trips or pedal with a lower level of assistance.

### Conditions that affect your battery's range:

- Temperature: Extreme cold and heat can affect the battery's capacity.
- Total Number of Charge Cycles: As the battery ages, total capacity can decrease.
- The battery has a total of 1,000 full cycles when it's new.
- Wind: Riding into a strong headwind can decrease range.
- Road Conditions: Excessively rough or hilly terrain requires the consumption of more power.
- Load: Carrying extra cargo on the bike or in a backpack will use more energy.
- Rider Weight: please observe the max weight of 147kg (325 lbs).
- Repeated acceleration from a standing start.
- Poor Maintenance: Under-inflated tires, maladjusted brakes, and/or a dry or dirty chain can decrease range.

### Tips for Maximizing Range:

- Charge the battery at a temperature range between 18.3°C- 23.9°C (65°F - 75°F).
- Lithium-ion batteries have no chemical memory, and it is not necessary to discharge the battery completely for the best performance. Charging a partially full battery should have no negative effect.
- Maintain proper tire pressure and clean/lube the chain regularly.
- Operating temperatures between 4°C - 30°C (40°F - 85°F) should increase range.



## DANGER!

Never charge the battery in a flammable environment. For safety reasons, the charger and the battery must be placed on a dry, non-flammable surface to reduce the risk of fire.

Never charge or use a defective or damaged battery or charger.

**Never attempt to ship a battery!** A battery is in the category of hazardous/dangerous goods and requires certification to send by mail. Doing so without proper certification is punishable by law.

Immediately remove the battery from the SUPER73 if you notice damage to the electrical system and visit your local E-bike Specialist for inspection or contact SUPER73 directly. Failure to seek appropriate professional expertise will give rise to a risk of injury, death and/or property damage.

## LIGHTING SYSTEM

The SUPER73 S2 includes a lighting system that is directly connected to the bike's electrical system. If either the rear or front light is no longer operable, please contact SUPER73 for troubleshooting and parts orders. Replacement components should be purchased directly from SUPER73. Please avoid the use of any third-party component that connects directly to the e-bike's electrical system. There are no batteries in the lights. Make sure the front and rear lights are clean before riding. If they are dusty, or dirty, clean them with a damp cloth for optimal visibility and safety.

## SEAT

It is not possible to adjust the seat height of the SUPER73 e-bike. It is fixed to the frame by bolts. The minimum seat clamping torque on the frame is 6.78 Nm (5lb /ft). For maintenance, use a cloth and water with a gentle soap for cleaning. Avoid leaving the seat too long in the sun, as the fabric can be damaged by the sun's UV rays. Avoid wearing clothes that may puncture or tear the seat.



The e-bike and its parts are subject to wear and tear, like other mechanical products and parts. Moreover, various materials and parts react differently to wear and abrasion. If the life of a component is exceeded, it is possible that it will suddenly fail, which may present hazards to the rider. Any type of cracks, streaks, or color changes in highly stressed components could indicate the failure of the component. It is highly recommended that use of the e-bike is suspended until all failed components are replaced. It is important to use genuine, properly specified parts for safety-critical components during the replacement of worn parts.

## SUSPENSION

Suspension components will require regular maintenance, cleaning, and greasing in order to keep the movement of these components fluid and in good working order. It is recommended to regularly inspect the suspension for signs of damage or wear.



Failure to maintain, check, and properly adjust the suspension system may result in suspension malfunction, which could result in serious personal injury or damage to the e-bike.

## STORAGE, PARKING, AND TRANSPORTATION

- Park in accordance with all applicable laws and regulations if you're in a public place.
- Park indoors whenever possible. If you must park outdoors in wet conditions, do not do so for an extended period of time, and afterward park in a dry location to allow the e-bike systems to dry out. When any e-bike is exposed to wet conditions, it requires more frequent maintenance and cleaning to prevent rust and corrosion, and to ensure that all systems work safely.
- Avoid parking or storing your e-bike in direct sunlight and/or excessive heat, such as inside of a parked car on a hot day.
- Switch the power and any lights off to conserve battery power. Remove the key from the e-bike and ensure the battery is locked to the frame in the off position or use the key to remove the battery and bring it with you for security.
- Lock up your e-bike to reduce the risk of theft.
- When pushing or carrying the e-bike, turn off the power to avoid accidental acceleration from the motor, (e.g., by mistakenly engaging the throttle).
- Only use racks (i.e., a bike rack for your car or other vehicle) designed for the size and weight of your e-bike. Pay particular attention to whether the rack can accommodate the width of the tires.
- When carrying your e-bike on a rack for transport, **remove the battery beforehand**, and place/wrap it securely inside your vehicle, making sure it can't roll around and that its connectors are protected. This will reduce the weight of the e-bike, make lifting and loading it easier, and keep your battery safe.
- Do not leave a battery in direct sunlight or any location that is or may become excessively hot or cold, like a parked car, for extended periods.
- Before using public transportation—buses, trains, etc.—to transport your e-bike, check with the relevant transportation authority for any rules governing weight limits, tire widths, lithium-ion batteries, or any other rules that might pertain to e-bikes.
- Avoid transport of any SUPER73 e-bike on a vehicle rack during rain, which may cause water damage to the electrical components. Contact SUPER73 support if you have questions.

## RECYCLING & END OF LIFE

All electronics such as the motor, battery, charger, display panel, torque sensor and packaging must be disposed of and recycled responsibly.

- Do not dispose of the bicycle or its components together with household waste.

## **WARRANTY**

### **I. Warranty.**

Subject to the terms, conditions, and limitations herein, SUPER73 warrants to the original retail purchaser of the bike that (i) the frame, fork, and electronics of the bike will be free from defects in material and workmanship under normal use and service for one (1) year from the date of delivery, and (ii) the battery will be free from defects in material and workmanship under normal use and service for two (2) years from the date of delivery or 500 life cycles, whichever comes first (the "Limited Warranty"). The Limited Warranty exists for the above-mentioned defects that were already present at the time of delivery of the bike and covers the battery, motor, controller, display, and sensors. Like any rechargeable battery, your SUPER73 rechargeable battery pack will experience a decrease in capacity over time as it is subjected to charge and discharge cycles. SUPER73 warrants that your battery pack will maintain 70% or higher capacity for at least 500 charge cycles or two years, whichever comes first. The battery warranty does not include damage from power surges, use of an improper charger, water damage, improper maintenance, or such other misuse or normal wear. This warranty is only valid for the first buyer. Any other remedy, such as compensation for damages of any kind or loss of use, is excluded. The warranty period cannot be extended by granting an additional warranty.

### **2. Remedies.**

If the original retail purchaser notifies SUPER73, authorized dealer or the retail location from where the bike was purchased of a warranty claim within the applicable warranty period set forth above, Super73 will evaluate the warranty claim. The purchaser will be responsible for shipping the bike to the location notified by Super73. If SUPER73 determines that the defective part is covered by the Limited Warranty, SUPER73 will replace or repair the defective part, at SUPER73's sole discretion, without charge to the buyer and also reimburse the shipping cost incurred by the purchaser. If the defective part is not covered by the Limited Warranty, SUPER73 will repair or replace the defective part at the purchaser's cost and the purchaser will also be responsible for the shipping costs.

### **3. Requirements for this Limited Warranty to apply.**

- (a) The original purchaser provides proof that the bike was purchased from SUPER73 or one of its authorized dealers or distributors.
- (b) The person seeking warranty coverage is the original and first owner of the bike (warranty is not transferable in the case of a re-sale).
- (c) The bike was used in accordance with its intended purpose. The SUPER73 bike is intended for use on paved roads.
- (d) The electronics including connectors and cables have not been repaired or modified.

**For more information on warranty, remedies, requirements, exclusions, and limits please visit our website and contact us at [support.super73.com](mailto:support.super73.com)**