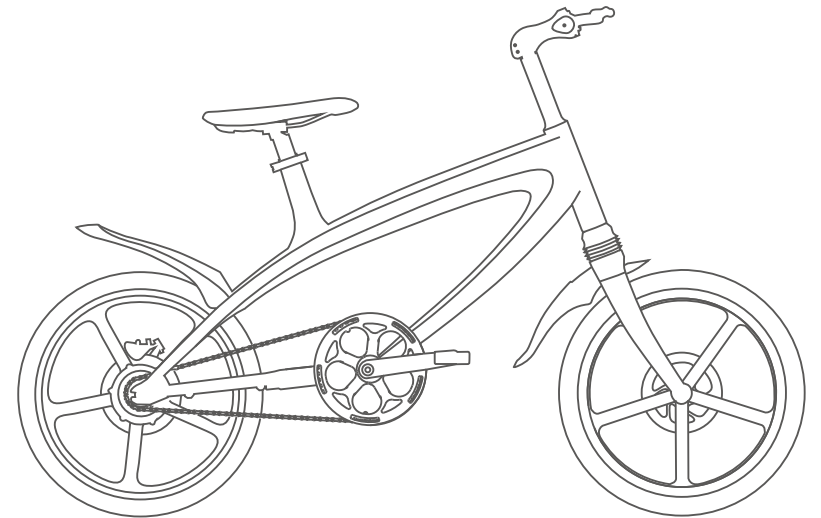


S1 Series
Electric Assist Bicycle

User Manual

- Please read the manual carefully before riding.
- Please store the manual well in case needed in future.



Beyond fashion, better know you!

About Manual

Thanks for purchasing our products.

To make sure that you can use the product in correct way,
please completely read the manual in patience before driving it.

This manual contains important safety use instructions.

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Package including:

S1 bike x 1, charger x 1, tool kit x 1, pedal suit x 1, user manual x 1, warranty card x 1,
certificate x 1

S1 Brief Introduction

With the trends of internet+objects, artificial intelligence, and low-carbon environment protection, our transportation way is changing.

Combining industrial leading technology, modern innovative processes, we accomplished a top quality S1 e-bike. We're dedicated to producing the intelligent, multifunctional, and fashion stylish products with compact design, bringing you a more healthier, more fashionable transporter, helping more riders enjoy a green and joyful trip.

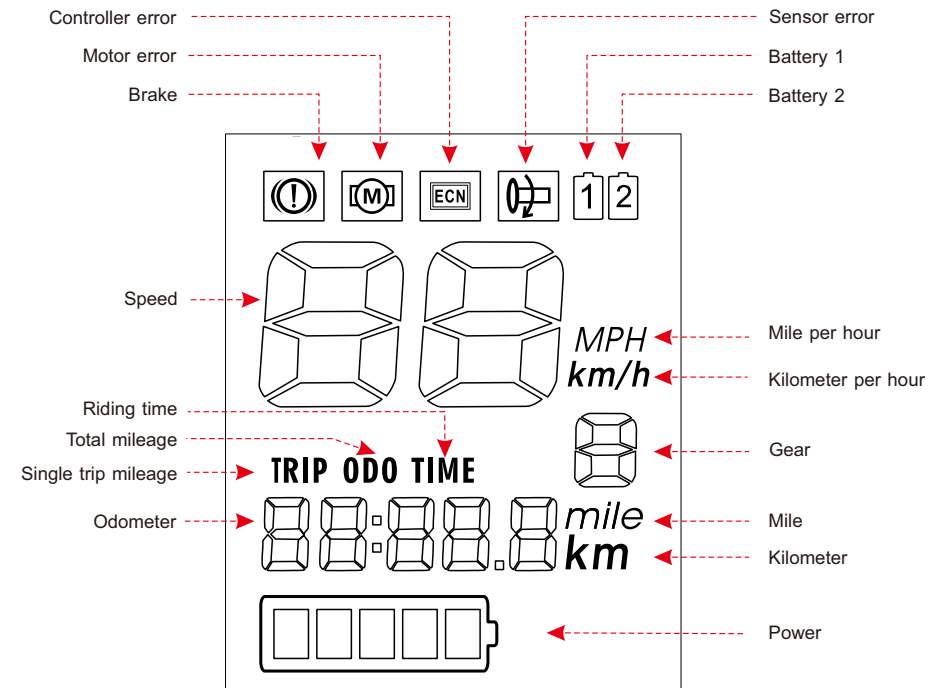
S1 Specifications

Item	Specifications
Nominal Voltage	36V
Battery	<input type="checkbox"/> 36V/4.4AH <input type="checkbox"/> 36V/5.8AH <input type="checkbox"/> 36V/8.8AH <input type="checkbox"/> 36V/10.6AH
Max Mileage	<input type="checkbox"/> 40-45KM <input type="checkbox"/> 50-60KM
Motor Power	240W
Motor Type	German technology high speed brushless gear motor
Motor Torque	10N.M
Battery Type	18650 Lithium battery
Charger	110-240V; 50-60Hz
Charging time	2.5 - 5H
Electricity consumption per charge	0.27 K WH
Frame Material	Aluminum 6061 - T6
Net Weight	16.5kg
Max Loading Weight	120kg
Waterproof Level	IPX4
Controller Over-current protection	13A
Controller Under-voltage protection	31.5V
Tire	20 inch inflatable tire
Controller power tube	6 tubes
Brake method	Mechanical disc brake
Product Dimension	1590 x 1015 x 595mm
Package Dimension	1400 x 230 x 850mm

Products Diagram






Meter Function



Meter Operation



- Turn on  power switch, and the meter will light on.
- Press on the left side of the meter button  to choose power output mode. There are 4 gears to shift, as follow:
 - "0" gear - 0% assist
Fitness mode: motor power output 0%, suitable for sporting and exercising.
 - "1" gear - 25% assist
Aerobic mode : motor power output 25%, lower consumption, longer range, suitable for aerobic ride exercising .
 - "2" gear - 50% assist
ECO mode : motor power output 50%, moderate consumption, suitable for outdoor leisure or riding on flat road.
 - "3" gear - 90% assist
Climbing mode : motor power output 90%, suitable for slope climbing or fast trip.
- Press on the right side meter button  to choose 'meter display', as follow:
 - **TRIP** , single trip riding mileage (km)
 - **ODO** , total riding mileage (km), once press the right side meter button
 - **TIME** , single trip riding time(h), twice press the right side meter button
 - Long press the right side meter button for 2 seconds, can display plug-in battery capacity(applicable for bike with plug-in battery pack).

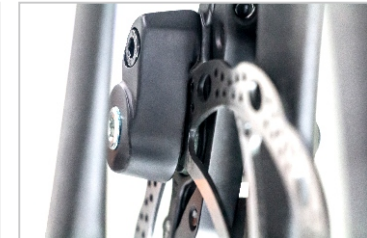
- Kindly notice: ① Please shut off the battery when the bike is unused.
② Please charge the bike every 60 days if you do not use it, in case destroy the battery and make it unworkable

Assemble Steps(front wheel part)

1: Open the package, fix the front wheel with attached tools (as picture shows)



Step 1: Take out the front wheel from package



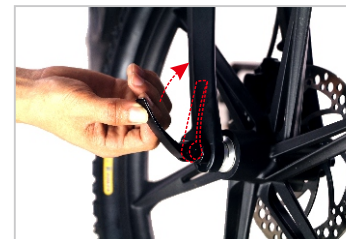
Step 2: Place the brake pad on the brake slot



Step 3: Insert the axis from the right side, for each side of the bottom bracket , there is a small spring, and the spring circle towards inside.



Step 4: Tighten the bottom bracket screw of the left side front fork, should not screw too tightly.



Step 5: Fasten the right bar and lock the front fork.



Step 6: Rotate the front wheel, if there is no friction, it is fixing. Or trim the screw on the brake until there is no friction.

Assemble Steps(handle bar part)

2: Fix the handle bar as follow steps:



Step 1: Rotate the stem cover clockwise at 180 degrees.



Step 2: Open the mini round cover, then lock the screw inside the cover(see above picture). Cover it after locking.



Step 3: Symmetrically fix the screws from both sides, tighten from right side and left side alternately, do not fix/unfix it in one way only.



Step 4: Disassemble the handle bar screws.



Step 5: Adjust the handle bar to the safety line, do not offset.



Step 6: Fix the screws in opposite angles (see as above picture).

Assemble Steps(handle bar part)



Step 7: Insert the brake power-off connector to the socket (as above picture).

Tips: You can shake it slightly if you want to loose the connector.



Step 8: The whole install of the handle bar finished as the picture.

Assemble Steps (pedal part)

3: Please use a spanner or other tools to install the pedal



Step 1: There is a left side pedal and a right side pedal, "L" means left side, and "R" means right side.



Step 2: Do as the picture shows, twist the corresponding pedal to the screw hole, then tighten the screw.

Tips: Add some lubricating oil to the screw for easier tightening.



Step 3: Pedal assemble finished as the picture shows.

Connect Bluetooth Speaker(optional)



1. The valid range for the bluetooth speaker is 0-10m and normally within 5m is the best.
2. How to connect the bluetooth speaker: turn on the bluetooth of your mobile/pad, search nearby bluetooth devices, find "E-scooter" and connect it(Once connection only accept one phone/pad).

Safety Usage

Any riding tools are at risk of security, S1 is no exception, so you have to learn more about the product safety precautions, and pay attention to safety in the course of riding.

S1 is a stylish and portable tool of transport to meet the short-distance travel needs. In some countries and areas, riding a electric bike should obey the local laws and regulations.

For further details, please contact related departments, or our agent and after-sales team.

Safety Warnings:

- Warning! Brakes will heat up in ride. Do not touch the brakes after use;
- Can not be used in crowded or crowded areas;
- In any case should pay attention to their own and others' safety;
- Do not use the product but for riding;
- Electric bicycle can not be modified;
- Do not allow hands, feet, hair, body parts, or other similar parts touch the rotation parts, such as wheels, rotating systems and motors while riding;
- Please avoid sharp collision, water pavement and uneven road;
- Electric system specifications and services should refer to the operating instructions;
- It is recommended not to ride in the dark places at night;
- It is recommended that the user check the restricted use of road safety in accordance with the regulations;
- It is recommended to ride on flat, hard, dry and clean cement or asphalt roads;
- Please avoid riding on water, sand, gravel, debris pavement and rain weather which affects the brakes and visibility;
- Before riding, you must wear helmets, gloves, elbow, kneecap and other safety equipment to prevent accidents;
- Check the vehicle: Before riding you need to check whether the power is sufficient, whether the bike is abnormal or loose;
- It is forbidden to ride on wet roads, especially snow and water,
- It is recommended not to climb more than 15 degree up and down ramp.

- It is recommended not to climb more than 15 degree up and down ramp;
- Users should keep checking the brake performance, pay attention to lengthen the braking distance in downhill, rain and snow;
- Please try to avoid rapid acceleration or deceleration, prohibit excessive forward and backward body or speeding;
- When the remaining power is insufficient, please keep a low speed ride, and charge the bike as soon as possible;
- Once a risk of falling, please mainly protect personal safety, adhere "human safety priority" principle;
- Do not put your hands in your pocket while riding, in case of danger or sudden situation;
- Take initiation to understand and comply with local traffic laws and regulations while riding S1 , civilized riding, pay attention to the surrounding people and objects, so as to avoid collision;
- Ride the bike under a controlled safe speed to their own and passerby;
- Respect the right of way for other pedestrians, do not frighten them, especially kids; slow down and remind pedestrians while riding behind them;
- Keep safe distance while there are other riders on the way, do not ride side by side unless there is enough space for pedestrians to go through;
- Do not ride in poor light places. If you have to, please slow down and pay more attention;
- Please avoid riding backwards, it's dangerous. It can only be accepted to ride a few steps to keep away from sudden block.

Active safety protection measures

- Before using, make sure that all locking parts are locked in place;
(Follow the instructions to install, to avoid causing injury.)
- Check the fixing of all screws before use to avoid self-locking nuts or other fixed parts loose;
- Inflate the tire appropriately, and make sure there is enough anti-skid;
- Check the axle protective cover and other protective equipment are accurate or not;
- Electric bike chain might loose after riding a period of time, and adjust methods as follows:
Loosen the nuts on both sides of the rear axle and tighten the chain nut until the chain is tight, and pay attention to the rear wheel horizontal paralleled with the frame , and then tighten nuts on both sides. If the chain is tight, repeat the operation as above(Chain sagging 10mm-15mm).
- Adjust the saddle height, should not expose the safety line , and pay attention to the saddle nut and saddle tube clamping. Tightening torque for handle should not less than 18Nm;
- Before riding, please follow preparations and inspections required by manufacturer:
 - Wearing helmet, kneecap, gloves, elbow and other protective equipment
 - Suitable place for safe cycling and operation
 - Function well of brake system
 - Right position for the safety identification and easily understood mark
- Do not let others use your S1 unless the person has read the manual carefully;
- Please do a good job of safety during driving, no matter when you ride, please wear approved, in line with the first type, contains a cap and can protect the back of the head helmets, while wearing such as gloves, eye protection equipment, elbow pads and other protective equipment;
- Do not ride when not on condition or unable to comply with the instructions and warnings of the manual;
- Do not ride on the influence of alcohol or medicine;
- Please get off in time in the cases of less power, continuous alarm and speed reduced, and charge timely to ensure safety;
- Please check before riding, do not ride before troubleshooting of any loose or damaged.

S1 Daily Maintaining

Daily lubricating maintaining (see below table)

Lubricating position	Lubricating period	Recommended oil for Lubricating
Front fork set	1 year	Lubricating grease
Front/rear axle	1 year	Lubricating grease
Bottom Bracket	1 year	Lubricating grease
Pedal axle	1 year	Lubricating grease
Chain wheel	1 week	Lubricating oil
Chain	1 week	Lubricating oil
Freewheel interior	1 month	Lubricating oil
Brake lever	1 month	Lubricating oil

- Keep the air pressure of the tires under 35 PSI;
- Use the original factory allowed replacements, and ask local distributor or professional technicians to install;
- Replace the tires when the tires are damaged or worn seriously.

Daily cleaning

- If surface of S1 stains , use soft cloth dipped with some water and wipe it . If the stain is hard to clean, smear toothpaste on and use toothbrush to scrub repeatedly, then clean it again with wet cloth;
- ⚠ Notice :Do not use alcohol, petrol, kerosene or other corrosive, volatile chemical solvents to clean the bike, or it will damage the appearance and internal structure. Do not use a water gun with pressure to rinse. While cleaning, make sure S1 e-bike is powered off, cable is unplugged and charging port is covered, in case of electric shock or serious failure.
- Please store the S1 e-bike in dry and cool indoor places when not used, and do not leave it out of doors for long time;
- To avoid the brake system failure , please do not add the oil to the brake pads.

Maintaining for battery of S1 e-bike

- Advised temperature for storing the battery : -20°C-50°C, otherwise the battery may fail or overheating, even causing fire;
- The failure can not be restore. The battery has a intelligent board inside can record the charge and discharge status. It can not be recharged if damaged by long time no-charged, which can not get free warranty service. (Notice: Prohibit non-professional personnel to disassemble the battery pack. Otherwise it may cause serious security incident when happening electric shock or short circuit!)

Common troubleshooting

Users can do self-checking and troubleshooting when experiencing below situations .

Fault phenomenon	Fault judgment	Troubleshooting
The power indicator on meter flashes	The voltage of the battery is in an undervoltage condition	Charge the bike immediately
Abnormal sound from the bike	Screws may be loose on some parts	Fasten every screw
	Abrasion between unfixed and fixed parts	Check if the corresponding part is shifted then adjusted it
The pedals are turning when riding	Flywheel may damaged or with oil on	Lubricating it after cleaning
	The chain is too tight	Moderately adjust the tightness of the chain
It feels toilsome while pedaling	The brake system is locked or rubbed against	Adjust the brake system
	The air pressure of tires is not enough	Inflate the tire
	The transmission parts are not flexible when lack of oil	Check and add oil
	The bottom bracket pedal part is not flexible enough or the chain is too tight	Check the corresponding part and add oil or adjust the tightness of chain
The battery can not be charged	The charging socket may fall off or with poor connected	Replace the socket or check the connection
	Battery connection may fall off or with poor connected	Check the battery connection
Max mileage reduced after once charging	Tire pressure is not enough	Inflate the tire
	Charging is not full	Recharging
	The battery is aging	Inspect the battery
	Transmission parts are not flexible	Change the bearing or add lubricating oil

Fault phenomenon	Fault judgment	Troubleshooting
Max mileage reduced after once charging	The brake system is locked or rubbed against, or the chain is too tight or lack of oil	Adjust brake lever or add oil on chain
	Riding roads with many uphill or ride against wind, or with frequently braking and starting	Recommended to avoid this operation
The crank is spinning or loosing	Too much oil on the freewheel	Clean the freewheel
	Freewheel rolling bearing is too tight	Adjust the bearing of the freewheel
The saddle is up and down or shifting	The saddle is clamped or nut is loosed	Adjust or tighten the saddle , tighten the screw nut .
	The screw/nut under the saddle is loose	Adjust the saddle, tighten the screw/nut if loose.
The front wheel is shifting or shaking	The screw nut is loose on front axle	Tighten the nut on front axle
	Collision for handlebar and front fork, bolt is loose inside the handlebar	Tighten the bolt
	Front fork stem or fork leg is loose	Adjust the front stem or fork leg

After-sale Service

Rules of warranty

Users can get free after-sale service within warranty except human damage problems.

NO.	Item	Warranty Period	Warranty Period Description
01	Rear motor	12 months	It can be changed a new one within 12 months (3 months turnover period).
02	Battery	18 months	Battery capacity < Original 60%.
03	Frame	24 months	If there are weld lost, broken, and cracking causing out of tracking, we can change for a new one, but modification and man-made damage are exceptions.
04	Frame of front wheel	12 months	If there are flaws and serious burst damage, we can change for a new one, but overweight and man-made damage are exceptions. If there is a function problem and can not be repaired, we can change for a new one.
05	Controller, charger	12 months	If there is function problem and can not be repaired, we can change for a new one.
06	Saddle	6 months	If there is function problem and can not be repaired, we can change for a new one.
07	Foot pedal	6 months	If there is function problem and can not be repaired, we can change for a new one.
08	Front fork	12 months	If there is function problem and can not be repaired we can change for a new one.
09	Chain-ring	12 months	If there is function problem and can not be repaired we can change for a new one.
10	Sensor	12 months	If there is function problem and can not be repaired we can change for a new one.

Warranty Card

Client : _____ Tel : _____

Address : _____

Distributor : _____ Operator : _____

Purchase Date : _____ QC Number : _____

Warm notice: In order to provide good after-sales service, please don't tear up or alter the outside carton barcode, or we will not provide maintenance service.

Stick Barcode Here

Description of damage	Details of repairing	Technician stuff	Date