

LIVOO
Feel good moments
Instruction manual

Electric bike 26"



Reference: MOBI103
Version: 1.4
Language: English

WWW.LIVOO.FR

Instruction manual

You have purchased a product LIVOO brand and we thank you. We take great care in design, ergonomics and ease of use of our products. We hope that this product will give you complete satisfaction.

This instruction manual is also available on our website www.livoo.fr

GENERAL SAFETY INSTRUCTIONS

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THE APPLIANCE AND SAVE IT FOR ANY FURTHER NEED.

CAUTION! Fully charge the batteries before the first use!

1. Safeguard your battery to ensure continued high performance. It should be recharged after each use. The normal full-cycle battery life, if it is continuously discharged and recharged, is between 300–1000 cycles (depending on which battery came with your bike) after which the storage capacity of the battery will gradually decline.
2. Battery performance is affected by the temperature and is generally better in warm temperatures. When the temperature is below 0°C (32°F), the battery current may decrease by a third. Consequently, the travel range on a full charge in cold environments is much less, but will return to normal when the temperature is back to room temperature.
3. A few tips to prolong the battery life during these conditions is as follows:
 - Frequent Braking – Try to look ahead and coast rather than frequently stopping and starting.

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- Riding uphill or against a stiff wind – pedal to supplement the battery power.
 - When starting from a standstill, use the pedals to help bring you up to speed.
4. When the battery meter indicates the voltage is low, switch to manual power and avoid using the battery, so you don't shorten the battery life.
 5. This electric bicycle can be used in the rain, however, the motor and other electrical parts must not be submerged in water. The controller, motor and other electrical devices may be short circuited causing damage, which is NOT covered by warranty.
 6. DO NOT use chargers or other components other than that which has been approved and tested by this company. This company is not responsible for damages caused by the use of other products not specifically designed and tested for use with this electric bike. Battery chargers contain sensitive electronics. Improper use, dropping, or sudden jolts can damage the charger and its internal electronics which is NOT covered by warranty.
 7. Do not leave the charger on for more than 10 hours!
 8. Check all nuts, bolts, screws, and spokes to make sure they are tight before riding. If any screws, nuts, or bolts are loose, put some thread lock on the threads and then tighten. Regular servicing must be performed by a qualified bike service center.
 9. When riding downhill, you MUST have the key on even if you are NOT using the throttle and even if the battery is not in the

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bike. The motor will generate enough electricity to RUIN your controller which is NOT covered by warranty.

RIDING PRECAUTIONS

- When riding, please use pedal assistance to start, pedal for about 3-5 cycles. After which, the motor will produce turn signals (the sound of motor operating will distinguish it), roll the throttle from slow to fast, and then the e-bike will speed up.
- This e-bike can be exposed to rain and snow, but cannot be submerged in water. If there is water on the road, the e-bike can be ridden in normally when the water is not higher than motor Hub. If it is higher than the motor Hub, it may cause serious damage to the motor and controller.

ADJUSTING YOUR E-BIKE

Adjusting the front brake system

Check the left hand braking handle. There should be full brake pressure when the lever is pressed halfway. Loosen the spring tension adjusting screw. Tighten or loosen the brake cable to make the clearances between brake pad and wheel rim to be approximately 1.5-2mm. Tighten the screw after the clearances of the right-hand-side and left-hand-side being the same. If the clearance spacing are different, you can adjust the adjusting screws on each brake arm until the distance of the two clearances being the same.

1 Brake lever

2 Brake cable housing

3 Spring tension adjusting screw

4 brake cable



Adjusting the rear brake system

Check the right brake lever. It is the same way as checking the left brake lever. Adjust the adjustment screw properly. If this does not work, loosen the nut of the brake cable anchor bolt and loosen or tighten the cable until the proper tension is reached. If it still does not work, you can adjust the clearance fine adjustment screw and keep the clearance of the internal brake pad being the same. Adjust these parts until the rear brake works properly.

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Important Note:

If you want to stop your E-Bike when it is in motion, please release the throttle first and press the brake lever. Usually use the rear brake first and then use the front brake. In case of emergency stop, use both the front and rear brake simultaneously.

Adjusting head tube and seat post

For safety, please do not extend the head tube and/or the seat post over the maximum limit line.

Adjusting the handle bar

Stand in front of your e-bike. Keep the front wheel between your legs. Hold the handle bar with both hands tightly. Adjust the handle bar so that it is at a right-angle with the top tube of your e-bike. Tighten the nut at the top of the stem.

Recommended Torque is 18Nm. When adjusting the height of the handle bar and saddle, please do not extend the head post and/or seat post beyond the maximum limit marking. After adjusting the handle bar, head bar, saddle and seat post, please remember to tighten the nuts.



Adjusting the Wheels

After replacing the wheels, please tighten the nuts according to the recommended torque. For rear wheel, the torque should be not less than 30Nm. For front wheel, the torque should be not less than 18Nm.

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Adjusting the pedals

The marking “L” means it is the left pedal and “R” means it is the right pedal. Please install accordingly.

Otherwise the crank arm can be damaged.



Adjusting the Chain

Release the Rear Hub Nut and adjust the position of the hub to adjust the chain tension (the chain slack should be 10~15mm). Align the Chain wheel with the rear sprocket so that they are in the same straight line. After adjustment, tighten the rear hub nut.

Hold the E-Bike stand with hand. Rotate the crankset counter-clockwise. The chain should be in appropriate tension and run smoothly.



MAINTENANCE

Charger

- When charging, please put in a safe place that children can't touch.
- When charging, please pay attention to plug maintenance, to avoid drag that can damage the plug. Also pay attention to environment and moisture prevention measures.
- Prohibit the use of the charger in places of excessive smoke and dust, moisture, or direct sunlight. When charging, please keep it in well ventilated conditions.
- Do not put any liquid or metal objects into the charger, and prevent damage
- Charger is high voltage, if you are unsure how the charger operates do not switch on. Don't replace the chargers plug and cables, to prevent serious accidents.
- Charging must be looked after by someone.

Charging steps

- Firstly, you should inspect the rated output voltage whether is consistent with charger voltage.

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- When charging, place the battery in a stable well ventilated area, and place the charger plug into the charging port. Then insert the power plug into 240V 50-60Hz AC charger. Please make sure the input power supply plug and AC socket contact are in a safe reliable condition.
- When charging, insert into power socket, then connect the charging port. The power indicator light will be red. After charging for 3-6 hours, charging indicator lights will change from red to blue or green. This means battery is full. Charging time should not exceed 8 hours (this will damage the battery).
- After charging, you should pull the plug of the charger from the power socket, then pull the plug which is connected with the battery.
- If there is a bad smell during the charging process or temperature is too high, please immediately stop charging. Contact the electric bike company for repairing and maintenance.

Battery

- The battery may be inadequately charged due to transportation, inventory and other factors. So please fully charge the battery, before using the e-bike.
- You must use our designated special charger, otherwise it will damage the battery and other related accessories. It may even cause the serious accidents.

Any results arising from buyers incorrect using, will be borne by the buyer.

- The battery can be charged with the bike, some models can also be unloaded individually for charging.
- After folding, two metal ports at the end of the battery box or connecting leads cannot touch, in case of current short circuit accidents.
- Take care of the battery, do not drop or impact, so as not to cause damage.
- Battery can't be keep under sun exposure of 60°C or above temperature. If you don't use the electric bike for long periods of time, please charge it every two months, half charge is fine.
- Pay attention to waterproofing, to prohibit water coming into contact with the battery charging port.
- When disposing of batteries, please discharge the battery to zero voltage. There are Flammable materials in the battery, please don't immerse into a fire.

Motor

- Pay attention to protect the electrical outlet, to avoid electrical cable fraying that may cause a short circuit and burn the motor. At the same time, attention should be paid to avoid motor being immersed into water.

Controller

- Pay attention to protect the electric bikes exposed electric wire, to avoid short circuit burn out the controller.
- Prohibit to use of water to wash the controller.

Mechanical parts

Fastening components:

- The handlebar, head tube, saddle tube locking torque required is 18Nm, attention should be paid to the head-tube and the saddle tube must be inserted above the safety line.

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- The locking force is required to achieve is 15-17kgf for quick disassembly accessories, Matsudo force must be greater than 5kgf.
- The front wheel nut locking torque needed is 18Nm, rear wheel nut locking torque needed is 30Nm.
- Lubrication: chain, flywheel, head sets, five sets need regular maintenance, drop a little oil into chain and fly drops every month. Also, a few drops in the headset, five bowl set beads nest site. Adjust the rear ends of the chain, loosen the nut, adjust the rear wheels of front and rear position, and the chain to the proper tightness, pick the middle position of chain under finger pressure, under distance is about 10-15mm.
- Pay attention to the front and rear brake wear. Under the frequent use they should be promptly replaced to avoid affecting the braking and wear aluminum ring.
- Pay attention to rain and snow, when riding you should increase the braking distance of 5 meters or more.
- Regular servicing and maintenance must be performed by a qualified bike service center.

REGULAR MAINTENANCE AND SELF-CHECKING ITEMS

Check:  Adjust or Replace:  Lubricate: 

Self-Checking Item		Daily	60 days	180 days
1	Tyre pressure is adequate (Recommended: 125KPa Front Wheel /175KPa Rear) Any cracking or abnormal wear on tyres. Any nails, stones, glass or foreign objects in tyres.			 
2	Brake work normally, Brake pad wear. Brake cables and pads adjusted correctly.			
3	Any damage to power cable or charger.			
4	Front and rear hub nut tightened Throttle and turning mechanism parts loose or worn		 	 
5	Chain drive mechanism			
6	Crank arm worn out, smooth rotation		 	 
7	Spokes loose or broken		 	 

PLEASE NOTE: Do not use steam or a high pressure water gun to clean

TROUBLESHOOTING

Condition description	No	Problem analysis	Solution
Electric lock open, E-	1	Electric lock is damaged	Replace malfunctioning throttle

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Bike does not power on	2	Line conductor is broke	Maintain or replace
	3	Battery Hitch	Ensure battery is fully charged. If there is voltage output contact dealer
Electric lock open, Horn and Light normal, Drive motor abnormal	1	Battery under voltage protection	Charge battery
	2	Throttle / Line conductor broken	Maintain or replace
	3	Right / Left Brake malfunction	Maintain or replace brakes / brake cable
	4	Controller / Motor broken	Check conductor lines, Replace Controller / Motor, Contact dealer
When driving with assistance motor has no power	1	PAS Pedal Assistance status on controller is set to Off	Adjust the PAS Pedal Assistance on controller
When charging indicator light is flashing – battery not charging	1	Charger is in a state of burst discharge	Check battery charger loop for short circuit
	2	Charger is broken or damaged	Replace charger with same model, contact dealer
	3	Charger is not connected	Connect charger to power socket
Battery power low, Battery motor assistance range low	1	Voltage is to low / battery not charged	Fully charge the battery
	2	Tyre pressure is low	Inflate tyres to recommended pressure
	3	Brakes malfunctioning	Check brakes / brake cables, tighten or replace.
	4	Mechanical parts don't move freely, cause resistance	Adjust, Lubricate and maintain or replace faulty parts
	5	Motor struggling uphill or when driving, requires frequent braking, motor overload	Adjust Pedal Assistance power on controller more or less, depending on conditions
	6	Battery is not holding charge or damaged	Replace battery with same model, contact dealer

AFTER-SALES SERVICE

Warranty principle

- When you receive your electric bike, please test and check in the spot. You are entitled to ask the vendors for right usage methods, maintenance matters, effective receipts and repairing units address and contact telephone number.
- Users should use the electric bike correctly according to the manual.
- Warranty covers quality problems in manufacturing that leads to performance faults, according to the relevant legal documents and regulation.
- Wearing parts and consumable items are not included in relevant regulation. Such as: tires, brakes, saddle, plastic parts, spokes, wheel, brake lines, chain, gear wear, derailleur wear, replaceable serviceable parts, etc.

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Warranty

- The warranty period is calculated from the date of purchasing (warranty of battery, motor, charger, controller: 24 months)
- If you dismantle the controller, charger, lithium battery and motor, we will not repair.
- Non electrical parts. Otherwise due to quality matters for 3 months warranty, after which we are not responsible for it.
- Due to vehicle malfunction, the electric bike must be repaired in a specified shop. Users do not disassemble accessories privately.
- When the battery does not work, users should return it to supplier. We will test the battery, and judge whether the battery is faulty according to battery testing standards, and judge the damages whether is within the scope of warranty, then decide to repair.
- Warranty of controller. Changed controller must be ensure that each components are complete so as to test. If the controller can't be repaired, we will supply the new one. If the controller is destroyed or damaged by the user, we are not responsible for repairing.
- Pay attention to the maintenance of whole electric bike, and avoid use in water. If damage to the electrical parts is caused by water, we are not responsible for repairing. We are not responsible for regular servicing and maintenance cost.



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- Photo no contractual
- Worried about the quality of his products the manufacturer reserves the right to make modifications without advance notice