

JASION

THUNDER
ELECTRIC BIKE
USER MANUAL



COPYRIGHT © 2025 JASION.ALL RIGHTS RESERVED.

The manufacturer reserves the right to make changes to the product and manual at any time
Visit www.jasionbike.com to download the latest user manuals

THANK YOU FOR PURCHASING THE JASION THUNDER EBIKE!

We are delighted to provide you an excellent product. To ensure you have the best user experience, please read and understand this manual thoroughly before assembling and riding the electric bicycle.

You can download the latest product manual at www.jasionbike.com. After reading the manual, if you have any questions, please contact us via email or phone. For more information about Jasion, visit our Help Center. We are always here, ready to assist you!

Thank you for riding Jasion Electric Bikes!

Jasion Help Center: www.jasionbike.com/pages/contact

Email: support@jasionbike.com

TEL: 1(888) 825 6366

Table of Contents

Instructions Before Use	02
Product Safety Warnings	03
Product Safety Notice	04
Warning Message	05
Package Contents	06
Product Overview	07
Specifications	08
Assembly	09
Adjusting the Seatpost	17
Adjusting the Front Suspension	18
Battery Key Positions	20
Remove the Battery	21
Charge Your E-Bike	22
Display and Setting	24
Maintenance & Storage Instructions	32
Recommended Service Intervals	33
Pre-Ride Safety Checklist	34
Troubleshooting	37
Limited Warranty	38
Contact Us	39

Instructions Before Use

This manual will help you safely operate and use your new Ebike. It is essential to read all the information in this manual before riding. Please keep this manual and any other accompanying documents that came with the packaging for future reference. The content of this manual may be subject to change, so please visit the Jasion official website to check and download the latest version. Due to the unpredictable nature of riding, this manual does not make any representations regarding safe use under all conditions. The rider assumes full responsibility for any unforeseen risks during Ebike usage.

IMPORTANT NOTE: To all riders under 16 years old, obtain parental permission before riding an electric bicycle.

If you need any assistance, please feel free to contact the Jasion Support Team.



⚠ Product Safety Warnings

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR ELECTRIC SHOCK / INSTRUCTIONS POUR RISQUE D'INCENDIE ou DE DÉCHARGE ÉLECTRIQUE

The owner's manual provides important operation and maintenance instructions for your Ebike. Read the owner's manual carefully before riding and save it for future reference. Failure to follow any instructions in the owner's manual may result in electric shock, fire, and/or serious injury.

IMPORTANT SAFETY INSTRUCTIONS

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

- Read all the instructions before using the product.
- To reduce the risk of injury, close supervision is necessary when the product is used near children.
- Do not put fingers or hands into the product.
- 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 -10 °C or above ambient temperatures of 40 °C.
- The battery is intended to be charged when the ambient temperature is between 10 °C and 40 °C. Never charge the battery when ambient temperatures are outside this range.

SAVE THESE INSTRUCTIONS

INSTRUCTIONS DE SÉCURITÉ IMPORTANTES

AVERTISSEMENT - Lors de l'utilisation de ce produit, les précautions de base doivent toujours être suivies, notamment :

- Lisez toutes les instructions avant d'utiliser le produit.
- Pour réduire le risque de blessure, une surveillance étroite est nécessaire lorsque le produit est utilisé à proximité d'enfants.
- Ne placez pas vos doigts ou vos mains dans le produit.
- N'utilisez pas ce produit si le cordon d'alimentation flexible ou le câble de sortie est effiloché, si l'isolation est cassée ou si d'autres signes de détérioration sont présents.
- Cet équipement n'est pas destiné à être utilisé à des températures ambiantes inférieures à -10 °C ou supérieures à des températures ambiantes de 40 °C.
- La pile doit être chargée lorsque la température ambiante est comprise entre 10 °C et 40 °C. Ne jamais charger la pile lorsque la température ambiante est en dehors de cette plage.

CONSERVEZ CES INSTRUCTIONS

! Product Safety Notice



Always wear a helmet when riding your electric bike.



Please keep the bike key secure. If the key is lost, you will not be able to start your Ebike or replace the battery. If necessary, you can obtain spare keys (Jasion does not provide or sell spare keys).



Ensure your electric bike is fully charged before taking it out to ride.



Strictly adhere to local road regulations.



Do not ride an Ebike after consuming medication or alcohol.



Always respect pedestrians.



Avoid use under rainy conditions as it may result in potential injuries caused by slippery roads. Moisture can also damage electronic components and void the warranty.

! Warning Message

1. Avoid Water - The electric bicycle is not waterproof, and electronic components may be damaged by water, voiding our warranty policy. Riding in wet conditions is also highly dangerous and may result in injury.
2. Avoid prolonged exposure to direct sunlight or heavy rain. Store the bike in a place free from high temperatures or corrosive gases.
3. Avoid Misuse - We do not provide warranty coverage for physical damage as a result of extreme riding or lack of routine maintenance.
4. When riding the electric bicycle, there is a risk of severe injury or even death due to loss of control, collision, or falls. Please ride cautiously and be aware of potential riding risks.
5. Modifying the product beyond the original manufacturer's design is strictly prohibited.
6. Do not exceed the speed limits set by authorities in your local area and comply with all traffic regulations.
7. Avoid direct contact between the human body and charging port. Also, prevent the charging port from coming into contact with metal objects.
8. Before riding - Conduct a thorough inspection of the electric bicycle to ensure all components are functioning properly. Check whether the braking system is operating correctly and become familiar with the safety warning content. Ensure that the axle protection device, chain guard, or any other covers or protective devices provided by the manufacturer are in place and in usable condition.
9. Do not exceed the maximum total payload of 400 lbs.
10. The electric bike should never be used by children under the age of 16.
11. You may need additional insurance coverage to protect against specific situations that may arise while riding the electric bicycle. We recommend contacting an insurance company or broker for advice or consultation.
12. To conserve power, use the assist mode, avoid frequent braking, riding against strong winds, carrying heavy loads (including passengers), and riding with low tire pressure.

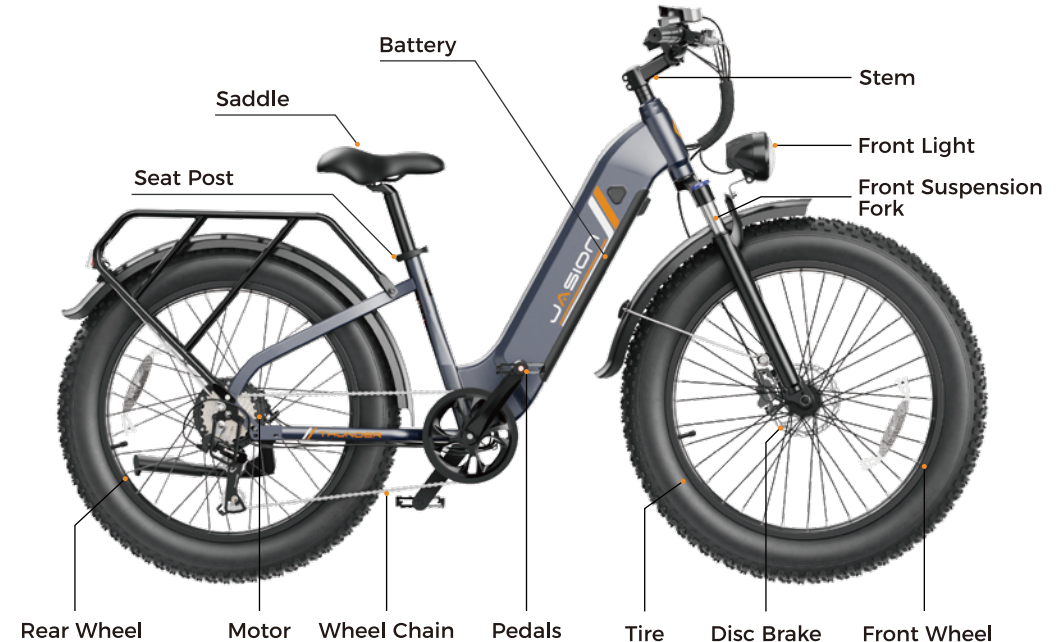
Package Contents

Carefully check package contents, if anything is missing or damaged, please contact Jasion customer service for support: support@jasionbike.com

Unpack the bike. Open the bike box and remove the small box inside. With the help of another person capable of safely lifting a heavy object, remove the bike from the bike box. Carefully remove the packaging material protecting the bike frame and components. Please recycle packaging materials especially cardboard and foam whenever possible. Open the small box and carefully set out all contents.

 Manual Flyer x1	 Stem Cover x2	 Pedals x2	 Front Wheel x1
 Keys x2	 Fender x1	 Rear Rack x1	 Tools x7
 Charger x1	 Front Light x1	 Electric Bike x1	

Product Overview

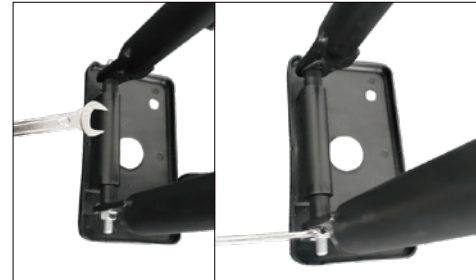


Specifications

ITEM	SPECIFICATIONS
Model	Thunder
Product Dimensions	1880*710*1170(mm)
Package Dimensions	1550*330*810(mm)
Max Load	400 Lbs (181kg)
Package Weight	105 Lbs (47.5kg)
E-Bike Weight	82.5 Lbs (37.4kg)
Max Speed	28 Mph (45km/h)
Range	80 Miles (129km)
Battery	48V 18Ah
Charger	54.6V 2A
Charging Time	7-8 Hours
Tire	26*4.0"
Motor	1400W Peak Power
Frame Material	High Carbon Steel
IP Level	IPX 4
APP	Yes

Assembly Instructions / Instructions D'installation

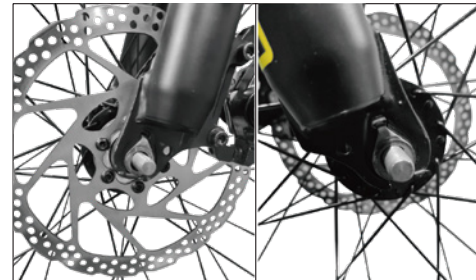
Step 1: Front Wheel Installation



- 1 Fix the vehicle body and remove the front fork protection rod using the wrench in the accessory tool.



- 2 Take out the front wheel and remove the screws on both sides of the front wheel axle. Fix the front wheel onto the front fork and insert the axle into the front fork slot (ensure that the disc brake is on the left side of the front fork).



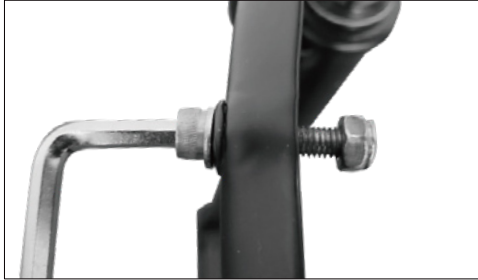
- 3 Align the safety hook gaskets on the left and right sides of the front wheel and hang them into the circular holes (very important).



- 4 Using the wrench, tighten the nuts on both sides. Cover both sides with axle caps.

 Assembly Instructions /
Instructions D'installation

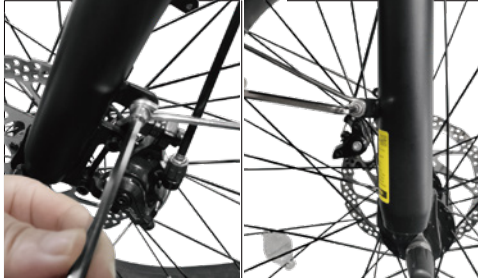
Step 2: Front Fender & Headlight Installation



- 1 Use the Allen wrench and a wrench from the accessories kit, remove the screws and anti-skid nuts on the front fork hanger.



- 2 Fix the headlight and front mudguard mounting ears with screws and anti-skid nuts and tighten them.



- 3 Fix the mud plate left side support to the left side of the front fork with the screw, then tighten. Fix the mud plate right side support to the right side of the front fork with the screw, then tighten.



- 4 Connect the headlight power cord.

 Assembly Instructions /
Instructions D'installation

Step 3: Head Tube Installation



- 1 Use the Allen wrench from the accessory kit to remove the screws from the aluminum top cap. Keep the black cap for later use.



- 2 Insert the stem into the front fork frame.



- 3 Replace the riser cover and tighten the aluminum cover screws with the Allen wrench.



- 4 Align the handlebar angle properly. Use the Allen wrench to fix the screws on both sides of the seat tube.

 Assembly Instructions /
Instructions D'installation

Step 4: Rear Fender Installation



- 1 Remove the corresponding left and right screws from the frame.



- 2 Fix the left support of the mud plate to the frame and tighten the left screw.



- 3 Fix the right support of the mud plate to the frame and tighten the right screw.

 Assembly Instructions /
Instructions D'installation

Step 5: Rear Rack Installation



- 1 Remove the four screws on the left and right sides of the frame's rear fork.



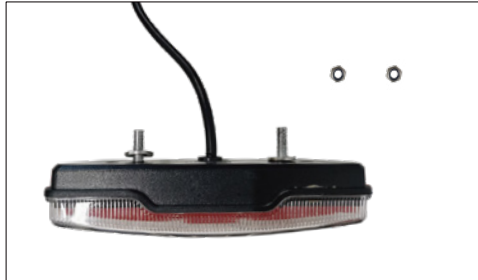
- 2 Align the rear shelf to the frame.



- 3 Install the rear rack by loosely securing all four mounting screws. Once positioned, tighten them in a diagonal pattern (e.g., left-top, right-bottom, right-top, left-bottom).

 Assembly Instructions /
Instructions D'installation

Step 6: Taillight Installation



- 1 Remove the nuts from the taillight.



- 2 Install the taillight to the rear shelf of the bike and tighten into place by hand.



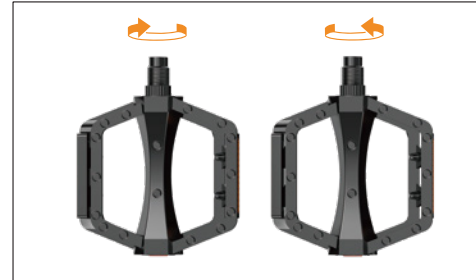
- 3 Use a wrench to further tighten the nuts into place.



- 4 Use the zip tie to secure the taillight power cord to the frame of the bike.

 Assembly Instructions /
Instructions D'installation

Step 7: Pedal Installation



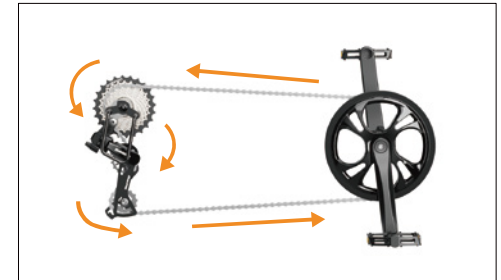
- 1 Locate the right-side/ left side pedal, which is marked "R," "L," should have an "R"/"L," sticker attached.



- 2 Thread the right pedal onto the right crank gently by hand, turning clockwise. Then tighten pedal by allen wrench.



- 3 Adjust the seat and the head of the seat is parallel with the top tube.



- 4 Locking seatpost clamp.

Note: If the pedal/ chain doesn't run smoothly or something seems misaligned, please contact Jasion Support at support@jasionbike.com.

✂ Assembly Instructions / Instructions D'installation

Step 8: Seat Installation



- 1 Pull the quick release handle outwards to fully release the seat post.



- 2 Turn the seat clockwise and adjust it to the appropriate height. Do not raise the seat tube above the highest safety line mark on the tube.



- 3 Adjust the seat angle so the head tube of the saddle is parallel with the bike frame.



- 4 Fasten the quick release handle. If it is too loose, turn the handle clockwise a few times before trying again.

✂ Adjusting the Seatpost

(1) NOTICE: Ensure the seat post and seat are properly adjusted before riding. DO NOT raise the seat post beyond the lowest insertion marking etched into the seat post tube (as shown on the right). If the seat post is extended past these markings, the seat post or frame may break, potentially harming the rider and damaging the bike irreparably. Ensure the lowest insertion markings on the seat post are INSIDE the seat-tube of the frame.

(2) Before using the bike, always check that the latches, levers, and quick releases are properly secured and undamaged. Ensure that they are correctly secured before every ride and after every time the bike is left unsupervised, even momentarily. Otherwise, the handlebar stem and/or seat post may come loose and result in loss of bike control, damage to the rider and/or bike, additional property damage, serious injury, and/or death.



Adjusting the Front Suspension

The suspension fork can be adjusted up to 80mm to cushion riding surfaces, making rides on rough roads or trails smoother and more comfortable. Depending on the rider's preference, the suspension fork can be locked into place, providing less cushioning but greater pedaling efficiency.

The lockout lever (1)

Located to the top-right of the suspension fork, the lockout lever can be turned counter-clockwise to adjust resistance or fully lock the suspension in place. To unlock, turn the lever completely clockwise.

The preload adjustment knob (2)

Located to the top-left of the suspension fork, to soften resistance, turn the preload adjustment knob counter-clockwise towards the minus sign (–) on the knob. To increase suspension stiffness, turn the adjustment knob towards the plus sign (+) on the knob.



OPERATING INSTRUCTIONS / INSTRUCTIONS D'UTILISATION

When using this product, basic precautions should always be followed. Refer to "IMPORTANT SAFETY INSTRUCTIONS" for details. Refer to "STORAGE INSTRUCTIONS" for storage guidelines.

Do not modify or attempt to repair the Ebike system. Otherwise, it may seriously impair the handling, stability, and other aspects of the Ebike, making it unsafe to ride and voiding the warranty.

Only charge the battery with an original charger (Model JY-546200). Keep the battery and charger away from water and open fire.

WARNING! Against modifying or attempting to repair the E-bike system except as indicated in the instructions for use and care.

Battery Key Positions

Familiarize yourself with the key port and battery power positions before riding the bike.



In position 1, the battery is in the lock status and locked to the frame. The key can be removed and the bike is ready to ride.

Anytime in position 2, the battery is in the unlock status and unlocked from the frame. To prevent accidents, must make sure the battery in lock status (Position 1) before moving or riding.

Remove the Battery

For your convenience, the jasion battery can be removed.



1 Insert the key and rotate it clockwise to unlock the battery. When the battery is unlocked, it will pop down but will not fall directly.



2 There is a rotating knob directly below the upper end of the battery, which can be turned left or right to release the battery safety buckle.



3 Turn the knob to open the safety buckle, the battery will be separated from the frame, please hold it in your hand and take it out slowly.

Note: The battery is heavy, please hold the battery with one hand while turning the knob with the other hand, be careful not to drop or damage the battery when loose from the bike. Avoid damaging the exposed connector terminals and keep them clear of debris.

When installing the battery, align the battery with the frame and push up. Press it and hear a clicking sound, then the battery is fixed without shaking.

Charge Your E-Bike

Before using the electric bike, you must fully charge the battery.



Battery charging port

Red: charging
Green: full of charge

1. Ensure the battery is off, by rotating the key to align with the off icon.
2. Remove the rubber cover on the charging port on the opposite side of the battery from the key switch.
3. Plug the charger into the battery's charging port. With the battery on or off the bike, place the charger in a flat, secure place, and connect the DC output plug from the charger to the charging port on the side of the battery.
4. Plug the charger into a power outlet, charging should initiate and will be indicated by the LED charge status lights on the charger turning red. Once fully charged, the charging indicator light turning green. Unplug the charger from the wall outlet first and then remove the charger output plug from the battery charging port.

Charge Your E-Bike



The battery can be charged off the bike. To remove the battery, turn the key to the left position (see the previous remove battery section for details).



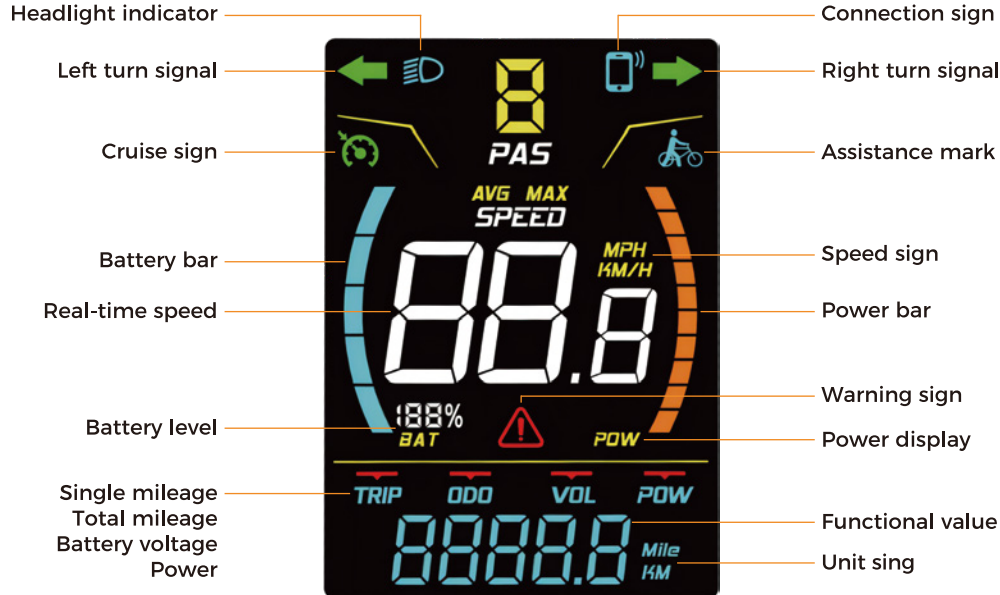
Remove the rubber cover on the charging port on the opposite side of the battery from the key switch. Connect the DC output plug from the charger to the charging port on the side of the battery.



Plug the charger into a power outlet, charging should initiate and will be indicated by the LED charge status lights on the charger turning red. Once fully charged, the charging indicator light turning green. Unplug the charger from the wall outlet first and then remove the charger output plug from the battery charging port.

Display and Setting

Functional overview



The digital display is equipped with eight buttons on the corresponding operating unit:

Icon	Meaning
	Long Press Power on/off
	Long Press Turn on/off lights
	Single Press Increase/decrease assist level
	Single Press Turn on/off turning signal
	Single Press Whistle the horn
	Long Press Speed < 6KM/H. Long press and hold to turn on the Walk Assist Mode, release to turn off.
	Single Press Switch riding data

Display and Setting

Power on/off

Maintain the normal connection between the instrument and the controller. In the off state, long press the power button (1 second) to display the startup interface, then it will normally enter the basic interface and start working; in the on state, long press the power button (2 seconds) to turn off the instrument. If the rider does not perform any operation on the instrument for 5 minutes (speed is 0), the instrument will automatically shut down.

Assist gear shifting

Press + / - to switch the power assist gear and change the power assist mode. There are 6 modes: 0, 1, 2, 3, 4 and 5; when the instrument is turned on, the default mode is 0, and the display of 0 is the no-power assist mode.

The interface for selecting the gear is as follows:



Display information switching


In the on state, short M key can switch the small mileage, total mileage, battery voltage, power, average speed and maximum speed. The cycle display is: small mileage (TRIP) -> total mileage (ODO) -> battery voltage (VOL) -> power (POWER) -> average riding speed (AVG) -> maximum riding speed (MAX).

The mode switching interface is as follows:



⚙️ Display and Setting

Support the implementation model

When the speed is less than 6KM/H, press the reduction key — (1 second) to enter the assisted pushing state. The screen will display at the upper right position . Release the reduction key — to exit the assistance

Implementation mode. The interface to assist in switching implementation modes is shown in the figure right (only available in the implementation state)



Headlight switch

After pressing + the plus key for 1 second, the headlights are turned on (controller support is required). The instrument display interface is displayed +, and the headlights indicator icon is lit. At the same time, the instrument backlight is low. After pressing the plus key again for 1 second, the headlights are turned off, the headlights indicator icon is extinguished, and the backlight is high.




⚙️ Display and Setting

Steering switch

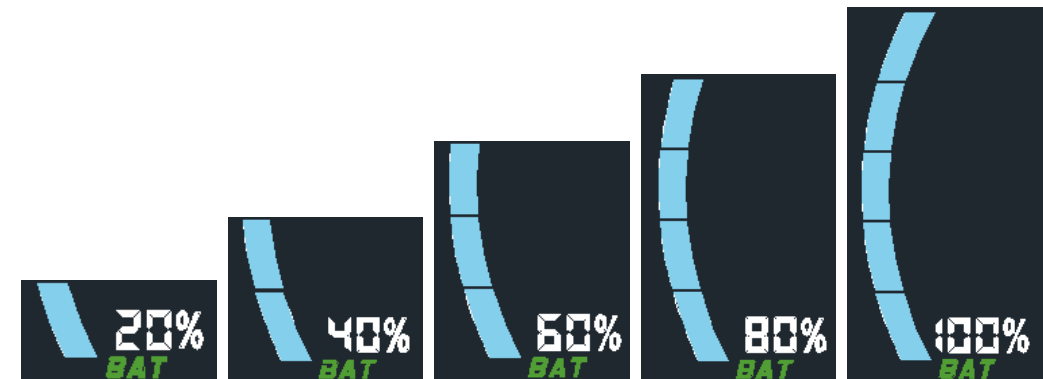
After a short press ◀ of the left turn key, the left turn indicator light turns on (controller support required), ◀ and the instrument display interface shows the left turn ▶ indicator icon flashing; another short press of the left turn key closes the left turn indicator light ▶, and the left turn indicator icon goes out; after a short press of the right turn key, the right turn indicator light turns on (controller support required), and the instrument display interface shows the right turn indicator icon flashing; another short press of the right turn key closes the right turn indicator light, and the right turn indicator icon goes out.

Horn switch

After pressing  the horn button, the horn is turned on and turned off after releasing (controller support is required).

Power display

When the battery power is normal, the power display is divided into 1-5 grids according to the battery capacity change. When the battery power reaches the under-voltage warning value, BAT starts to flash to remind the user that charging is needed immediately. The battery power display is as follows:



⚙️ Display and Setting

Enter Settings

Within 10 seconds after the **M** instrument is turned on, long press the key (1 second) to enter the Settings item. The speed display area displays (P01, P02, P03, P04, P05, P06), and the mileage position displays the corresponding parameter value. Short press **+** / **-** the key to set and adjust the parameters. Short press **M** the key to enter the next Settings interface.

Backlight brightness Settings

When entering the setting interface, P01 will be displayed at the mileage position. To view the backlight brightness value, the factory default value is 3. The display value range is '0-3'. 0 means that the backlight is turned off, and 3 means that the backlight is the brightest.



Unit Settings

Enter the setting interface and switch to P02. Check the unit mode and switch between English and metric. The factory default value is 0. Display range '0,1' (see the following figure for details)

- 0: Imperial units Mile MPH
- 1: Metric units KM KM/h



⚙️ Display and Setting

Automatic hibernation Settings

Enter the Settings interface and switch to P03 to check the sleep time Factory default value: 5 minutes. Display range '0-10', unit: minutes.

When set to 0, it means that hibernation is turned off (that is, no hibernation).



Wheel diameter Settings (not open by default)

After default hiding, press the function key for 2s within 10s to enter the Settings interface and switch to P04 to check the wheel diameter setting. (Wheel diameter) The factory default value is 20 inches.



⚙️ Display and Setting

Speed limit Settings

After default hiding, press the function key for 2s within 10s to enter the Settings interface and adjust the speed limit value to P05. The factory default value is 45KM/H.



Voltage Settings

After default hiding, press the function key for 2s within 10s to enter the setting interface and adjust the voltage setting to P06. The factory default value is 48V.



Exit Settings

Complete the setting of the long **M** key (1 second) to exit the setting mode and save.

⚙️ Display and Setting

Data reset

After the machine is turned **M** on for 10 seconds, long press (1 second) to enter the data clearing interface. The interface displays: speed display, mileage display, total mileage, AVG speed and MAX speed flashing back and forth; total mileage TRIP and single time display normally, but other information such as power is not displayed.

Short press **M** to clear the small mileage (TRIP), riding time (TRIP TIME), average speed (AVG) and maximum speed (MAX), and return to the running interface; if no operation within 5 seconds, return to the running interface, but do not clear the data.

Normal shutdown and power failure do not automatically clear the above data.

Fault display

The instrument can provide warning for the whole vehicle fault. When the fault is detected, the fault code is displayed on the instrument interface, which is defined by the controller to be only displayed. For details, please refer to the communication protocol document.



Definition of fault codes

The fault code is obtained from the controller instruction. The meaning of the error code is generally defined by the controller.

Fault code	Fault condition	Fault code	Fault condition
E60	Controller failure	E63	Battery under voltage
E61	Turn the handle faulty	E64	Brake failure
E62	Communication failure	E65	Motor fault(missing phase)
E66	Hall failure		

 **MAINTENANCE & STORAGE INSTRUCTIONS /**
INSTRUCTIONS DE MAINTENANCE ET DE STOCKAGE

Cleaning and Storage

If you see stains on the bicycle, use a damp cloth to wipe them away, or use a toothbrush with toothpaste.

Warning: Do not use alcohol, gasoline, kerosene, or other corrosive and volatile chemical solvents to clean the bicycle, as they may cause severe damage. Do not use a high-pressure washer for cleaning. During the cleaning process, ensure that the bicycle is turned off, the charging cable is unplugged, and the charging port rubber cover is properly closed to prevent water leakage and avoid potential electrical short circuits or other major issues.

When the bicycle is not in use, store it indoors in a dry and cool place. Prolonged outdoor storage or exposure to excessive sunlight, heat, or extremely cold or wet environments can accelerate the aging of the bicycle and its battery.

Battery Maintenance

All Jasion Ebikes are equipped with advanced lithium batteries. To ensure safety and optimal performance for longer riding time and distance, proper battery maintenance is necessary.

1. Please use the original battery pack, as using battery from other models or brands may pose safety risks.
2. Do not touch the battery contacts. Keep them away from metal objects to prevent short circuits that could damage the battery or cause harm to individuals.
3. Use the original power adapter to avoid potential damage or fire hazards.
4. Improper disposal of used batteries can cause significant harm to the environment. Please follow local regulations for the proper disposal of used batteries.
5. Always fully charge the battery after each use to extend battery lifespan.
6. Store the bicycle in a dry and cool place at temperatures between 50°F-77°F (10°C-25°C). Moisture in the environment can lead to condensation or water accumulation, which could damage the battery.
7. Avoid fully depleting the battery during regular use. If the battery level is low, recharge it as soon as possible. If the bicycle is not in use, make sure to recharge it every month to protect the battery.

 **Recommended Service Intervals**

Regular inspection and maintenance are key to ensure bikes from jasion function as intended, and to reduce wear and tear on their systems. Recommended service intervals are meant to be used as guidelines. Real world wear and tear, and the need for service, will vary with conditions of use. We generally recommend inspections, service, and necessary replacements be performed at the time or mileage interval that comes first in the following table.

Interval	Inspect	Service	Replace
Weekly, 100-200 mi (160-321 km)	<ul style="list-style-type: none"> - Check drivetrain for proper alignment and function (including the chain, freewheel, chainring, and derailleur). - Check wheel trueness and for quiet wheel operation (without spoke noise). - Check condition of frame for any damage. 	<ul style="list-style-type: none"> - Clean frame by wiping frame down with damp cloth. - Use barrel adjuster(s) to tension derailleur/brake cables if needed. 	<ul style="list-style-type: none"> - Replace any components confirmed by jasion Product Support or a certified, reputable bike mechanic to be damaged beyond repair or broken.
Monthly, 250-750 mi (402-1207 km)	<ul style="list-style-type: none"> - Check brake pad alignment, brake cable tension. - Check bike is shifting properly, proper derailleur cable tension. - Check chain stretch. - Check brake and shifter cables for corrosion or fraying. - Check spoke tension. - Check accessory mounting (rack mounting bolts, fender hardware, and alignment). 	<ul style="list-style-type: none"> - Clean and lubricate drivetrain. - Check crankset and pedal torque. - Clean brake and shift cables. - True and tension wheels if any loose spokes are discovered. - Balance the battery. 	<ul style="list-style-type: none"> - Replace brake and shift cables if necessary. - Replace brake pads if necessary.
Every 6 Months, 750-1250 mi (1207-2011 km)	<ul style="list-style-type: none"> - Inspect drivetrain (chain, chainring, freewheel and derailleur). - Inspect all cables and housings. 	<ul style="list-style-type: none"> - Standard tune-up by certified, reputable bike mechanic is recommended. - Grease bottom bracket. 	<ul style="list-style-type: none"> - Replace brake pads. - Replace tires if necessary - Replace cables and housings if necessary.

Pre-Ride Safety Checklist

Safety Check	
1.Brakes	<p>Ensure front and rear brakes work properly. Check brake pads for wear and ensure they are not overworn. Ensure brake pads are correctly positioned in relation to the rims. Ensure brake cables are lubricated, correctly adjusted, and display no obvious wear. Ensure brake levers are lubricated and tightly secured to the handlebar. Test that the brake levers are firm and that the brake, and the brake light are functioning properly.</p>
2.Wheels and Tires	<p>Ensure tires are inflated within the recommended limits posted on the tire sidewall and hold air. Ensure tires have good tread, have no bulges or excessive wear, and are free from any other damage. Ensure rims run true and have no obvious wobbles, dents, or kinks. Ensure all wheel spokes are tight and not broken. Check axle nuts and front wheel quick release to ensure they are tight. Ensure the locking lever on the quick release skewer is correctly tensioned, fully closed, and secured.</p>
3.Steering	<p>Ensure the handlebar and stem are correctly adjusted, tightened, and allow proper steering. Perform a handlebar twist test (see assembly step 4) to ensure the stem clamp bolt security. Ensure the handlebar is set correctly in relation to the fork and the direction of travel.</p>
4. Chain	<p>Ensure the chain is clean, oiled, and runs smoothly. Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.</p>
5. Bearings	<p>Ensure all bearings are lubricated, run freely, and display no excess movement, grinding, or rattling. Check headset, wheel bearings, pedal bearings, and bottom bracket bearings.</p>
6. Cranks and Pedals	<p>Ensure pedals are securely tightened to the cranks. Ensure the cranks are securely tightened and are not bent.</p>
7. Derailleur and Mechanical Cables	<p>Check that the derailleur is adjusted and functioning properly. Ensure shifter and brake levers are attached to the handlebar securely. Ensure all shifter and brake cables are properly lubricated.</p>

Pre-Ride Safety Checklist

Safety Check	
8. Frame, Fork, and Seat	<p>Check that the frame and fork are not bent or broken. If either frame or fork are bent or broken, they should be replaced. Check that the seat is adjusted properly, and seatpost quick release lever is securely tightened.</p>
9. Motor Drive Assembly and Throttle	<p>Ensure hub motor is spinning smoothly and motor bearings are in good working order. Ensure all power cables running to hub motor are secured and undamaged. Make sure the hub motor axle bolts are secured and the torque arm, torque arm bolt, and torque washers are in place.</p>
10.Battery	<p>Ensure battery is charged before use. Ensure there is no damage to battery. Lock battery to frame and ensure that it is secured. Charge and store bike and battery in a dry location, between 50°F-77°F (10°C-25°C). Let bike dry completely before using again.</p>
11. Electrical Cables	<p>Look over connectors to make sure they are fully seated and free from debris or moisture. Check cables and cable housing for obvious signs of damage. Ensure headlight, taillight, and brake light are functioning, adjusted properly, and unobstructed.</p>
12.Accessories	<p>Ensure all reflectors are properly fitted and not obscured. Ensure all other fittings on bike are properly secured and functioning. Inspect helmet and other safety gear for signs of damage. Ensure rider is wearing a helmet and other required riding safety gear. Ensure mounting hardware is properly secured if fitted with a front rack, rear rack, basket, etc. Ensure the taillight and taillight power wire are properly secured if fitted with rear rack. Ensure the fender mounting hardware is properly secured if fitted with fenders. Ensure there are no cracks or holes in fenders. If installed, ensure the optional rear wheel lock is secured in the unlocked position and the key is removed before every ride.</p>



Your cables, spokes, and chain will stretch after an initial break-in period of 50-100 mi (80-160 km), and bolted connections can loosen. Always have a certified, reputable bike mechanic perform a tune-up on your bike after your initial break-in period of 50-100 mi (80-160 km) (depending on riding conditions such as total weight, riding characteristics, and terrain). Regular inspections and tune-ups are particularly important for ensuring that your bike remains safe and fun to ride.

Pre-Ride Safety Checklist

Tire Inflation and Replacement

The Thunder employs 26"x4.0"rubber tires with inner tubes. The tires are designed for durability and safety for regular cycling activities and need to be checked before each use for proper inflation and condition. Proper inflation, care, and timely replacement will help ensure that your bike's operational characteristics will be maintained, and unsafe conditions avoided.

Always stay within the manufacturer's recommended air pressure range as listed on the tire sidewall.



It is critically important that proper air pressure is always maintained in pneumatic tires. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst, Failure to always maintain the air pressure rating indicated on pneumatic tires may result in tire and/or wheel failure.



Inflate your tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.

Even tires equipped with built-in, flat-preventative tire liners, like those that come with bikes from Jasion, can and do get flats from punctures, pinches, impact, and other causes. When tire wear becomes evident or a flat tire is discovered, tires and/or tubes must be replaced before operating the bike or injury to operators and/or damage to your bike from Jasion could occur.



When changing a tire or tube, ensure that all air pressure has been removed from the inner tube prior to removing the tire from the rim. Failure to remove all air pressure from the inner tube could result in serious injury.



Using aftermarket tires or inner tubes, not provided by Jasion may void your warranty, create an unsafe riding condition, or damage to your bike. If required by law, ensure replacement aftermarket tires have sufficient reflective sidewall striping.

Troubleshooting

	Symptoms	Possible Causes	Most Common Solutions
1	The bike does not turn on	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Brakes are applied 5. Blown discharge fuse 	<ol style="list-style-type: none"> 1. Charge the battery 2. Clean and repair connectors 3. Install battery correctly 4. Disengage brakes 5. Replace discharge fuse
2	Irregular acceleration and/or reduced top speed	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Loose or damaged throttle 3. Misaligned or damaged magnet ring 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace throttle 3. Align or replace magnet ring
3	The motor does not respond when the bike is powered on	<ol style="list-style-type: none"> 1. Loose wiring 2. Loose or damaged throttle 3. Loose or damaged motor plug wire 4. Damaged motor 	<ol style="list-style-type: none"> 1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
4	Reduced range	<ol style="list-style-type: none"> 1. Low tire pressure 2. Low or faulty battery 3. Battery discharged for long period of time without regular charges, aged, damaged, or unbalanced 4. Brakes rubbing 	<ol style="list-style-type: none"> 1. Adjust tire pressure 2. Check connections or charge battery 3. Balance the battery; contact tech support if range decline persists 4. Adjust the brakes
5	The battery will not charge	<ol style="list-style-type: none"> 1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged 5. Blown charge fuse 	<ol style="list-style-type: none"> 1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace 5. Replace charge fuse
6	Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring 	<ol style="list-style-type: none"> 1. Tighten, repair, or replace 2. Reconnect or replace motor.

Limited Warranty

30 DAY SATISFACTION GUARANTEED RETURN POLICY

Jasion warrants the original purchaser that your Jasion product shall be free from defects in materials and workmanship under normal use for a period aforementioned. Jasion does not warrant the operation of the product will be uninterrupted or error-free.

Only the original owner of an Ebike purchased from Jasion online or physical storefront is covered by this Limited Warranty. The warranty period begins upon your receipt of the Ebike and shall end immediately upon the earlier of the end of the warranty period or any sale or transfer of the Ebike to another person, and under no circumstances shall the Limited Warranty apply to any subsequent owner or other transferee of the Ebike.

The Limited Warranty is expressly limited to the replacement of a defective lithium-ion battery (the "Battery"), frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors and hardware (each a "Covered Component").

The Covered Components are warranted to be free of defects in materials and/or workmanship during the warranty period.

Limited Warranty Does Not Cover

Normal wear and tear of any Covered Component.

Consumables or normal wear and tear parts (including but not limited to tires, tubes, brake pads, cables and housing, grips, chain and spokes).

Any damage or defects to Covered Components resulting from failure to follow instructions in the Ebike user manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, installation of parts or accessories not originally intended or compatible with the Ebike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance.

For the avoidance of doubt, Jasion will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts.

The battery is not warranted from damage resulting from power surges, use of an improper charger, improper maintenance or other such misuse, normal wear or water damage.

Any product sold by Jasion that is not an Ebike.

DETERMINING WHETHER DAMAGE OR DEFECT TO AN EBIKE OR COVERED COMPONENT IS PROTECTED BY THIS LIMITED WARRANTY SHALL BE IN THE SOLE DISCRETION OF JASION.

Contact Us

Contact us if you experience issues relating to riding, maintenance and safety, or errors/faults with your JASION

Tel: 1 (888) 825 6366

Support Email : support@jasionbike.com



Scan the QR code and join our Facebook Group.

Share your riding experience with other rides and get an exclusive bonus!

JASION LTD

 www.jasionbike.com

 support@jasionbike.com

 [JasionBike](https://www.youtube.com/JasionBike)

 [jasionbike](https://www.instagram.com/jasionbike)

 [@Jasion Global](https://www.facebook.com/JasionGlobal)

 [jasionbike_official](https://www.tiktok.com/jasionbike_official)