



User Manual

Resolve your issues and concerns



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AMANO E-bike

Please read the instruction manual carefully before setting up your E-Bike and riding. You should be familiar with the operation of your E-Bike, its features capabilities, and limitations. To ensure a long, trouble-free life for your AMANO E-Bike, provide it with the proper care and maintenance as described in this manual. Of course, it is not practical or possible to warn you about all of the hazards associated with operating or maintaining your AMANO E-Bike. For this you must use your own good judgment.

For any replacement parts and accessories, Please use AMANO E-Bike approved parts, as they have been specially designed for your bicycle and manufactured to meet AMANO E-Bike demanding standards.

This manual should be considered a permanent part of your bicycle and should remain with the bicycle when it is sold.

Please contact us if you need any assistance please do not hesitate to reachout to us.

CONTACT INFORMATION

Email: support@amanobikes.com

Website: www.amanobikes.com

! Safety Messages

Please fill in your bike's serial number in the space below in case you lose your bike and cannot find it. The serial number is located on the end of the bike down tube.

SERIAL NUMBER:



Safety Messages

Read Manual Before Riding

Please read the manual before you take the ride on your new E-Bike and keep it for reference. This owner's manual contains important safety, performance, and service information. Like any sport, bicycling involves the risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility of that risk: you need to know and practice the rules of safe and responsible riding as well as proper use and maintenance. Proper use and maintenance of your bicycle reduces the risk of injury. If you have any questions or do not understand any aspect of using or maintaining your bike, take responsibility for your safety and consult with your local bicycle shop, or contact us for assistance.

This manual is not intended as a comprehensive use, service, repair, or maintenance manual. Please see your local bicycle shop for all service, repairs, or maintenance. Your local bicycle shop may also be able to refer you to classes, clinics, or books on bicycle use, service, repair, and maintenance.

Your AMANO E-Bike is classified as an EPAC (Electrically Power Assisted Cycle, otherwise known as a Pedelec), and is referred to in this manual as a bicycle unless otherwise noted.

Rider's Responsibility Regarding Regulations

It is the rider's responsibility to obey the regulations that apply to your AMANO E-Bikes. The regulations covering the use of your AMANO E-Bikes vary by state and even municipality in certain locations. You must comply with the local regulations related to the minimum age of the rider, driver's license, insurance, license plate, traffic, maximum speed regulations, and any other regulations. These regulations may change at any time.

Safety Messages

Intended Use

The intended use of your AMANO E-Bikes is to be ridden by one rider at an appropriate time and place for general transportation or recreational use. Any other use is prohibited and may result in **SERIOUS INJURY OR DEATH**. Your bicycle is **NOT INTENDED** for off-road or mountain bicycle use or any kind of jumping. Some of these bicycles have suspension features, but these features are designed only to add comfort not off-road capabilities. Riders should be proficient cyclists (ages 16+), riding on paved surfaces where the tires are always on the ground, on roadways, or dedicated bicycle-only lanes where permitted by law (not on pedestrian-use shared lanes or sidewalks). Your bicycle should not be used to tow another bicycle. For trailer towing, consult this owner's manual and the trailer owner's manual for towing instructions and towing compatibility.

WARNING!

- To prevent serious injury or death:
- Read all safety warnings and all instructions.
- Always ride within your limits and the limits of your E-Bike.

Bicycles are only for use by persons 16 years old and above. Riders must have the physical coordination, reaction, and mental capabilities to control a bicycle and manage traffic, in addition to managing road conditions and sudden situations with respect to the laws and instructions governing bicycle use. Persons with any mental or physical conditions that may make them susceptible to injury, impair their physical dexterity or mental capabilities to recognize, understand, and follow safety instructions or understand the hazards inherent to its use should not use or be permitted to use products in appropriate for their abilities.

Safety Messages

- Never ride under the influence of drugs and/or alcohol.
- Consult a doctor before using the device if you have any medical condition or issue that affects your ability to safely perform physical activities, or if you are or may be pregnant;
- have heart, respiratory, back, joint, or other orthopedic conditions; have high blood pressure
- have difficulty with physical exercise;
- have been instructed to restrict physical activity.
- Always keep small parts away from children. Some E-Bikes accessories may present a choking hazard to small children.
- Never modify your frame or bicycle in any way. Do not sand, drill, file, or remove parts from your bicycle. Do not install incompatible components or hardware.
- Always use proper lifting techniques to prevent injury. Your eBike may be significantly heavier than a bicycle without a battery pack and a motor.
- Take responsibility for your SAFETY, If you have any questions or do not understand any aspect of using or maintaining your bicycle, contact AMANO E-Bikes at support@amanobikes.com

Helmets

Always wear a helmet. A properly worn helmet can reduce the risk of serious head injuries. When riding, always wear a helmet that fits the correct size. Check the instructions that came with your helmet.

Safety Messages

Make sure the helmet fits the head properly and is securely fastened. If you install a child seat on your bicycle, the child must always wear a properly fitting helmet. Read the helmet instructions to make sure it is properly adjusted according to the fitting instructions provided by the helmet manufacturer.

A properly fitting helmet should fit comfortably and should not move forward or backward or side to side.

Pre-Ride safety Check

Before each ride, inspect your E-bike for damage. If damage is found, do not ride. Verify that the front and rear axles are secure. Verify that the handlebar and seat clamps are closed and tightened to the torque specified in the manual.

Verify that both the handlebar latch and frame latch are secure and fully closed. Check the tire pressure of both wheels.

Pull the brake levers to ensure the brakes are working properly and adjust if necessary.

NEVER exceed the maximum total weight limit of 150 kg. The rear rack can hold a maximum of 35 kg. As an example, if you have 18 kg of cargo, then the maximum weight of the rider would be 131 kg

Follow eBike Regulations On and Off the Road

Safety Messages

Be aware of E-Bikes regulations in your area, Generally, the regulations for the use of an AMANO E-Bikes are the same as those for a standard bicycle. However, there may be local differences such as where you can ride, minimum rider age, or required equipment and license and registration regulations. It is your responsibility to know the local regulations that apply to anelectric bicycle and to obey them.

Ride at Your Own Risk and Use Common Sense

Do not ride distracted. Always remain alert to all riding conditions. Using the Display or other technology (including your mobile phone or music player) could distract you from riding. Only adjust the display when stationary and in a safe start-up position.

- Always keep both hands on the handlebar grips and the brake levers so they are within reachwhile riding.
- Never use head phones or a cell phone to talk or text when riding.Always ride defensively, Watch out for potential obstacles that could force you to swerve suddenly or lose control. Braking while steering may reduce your ability to control your bicycle.
- Look ahead and brake sooner, You may be moving faster on your E-Bikes, and it may be heavier compared to a bicycle, which means you may need to react and brake sooner when riding Other road users may not expect you to be traveling at higher speeds. Riding faster may increase your risk of a crash.
- Stop pedaling well before approaching corners to avoid entering a corner too quickly. You should also pay particular attention to terrain conditions as you may approach obstacles faster than expected.

Safety Messages

Riding in Wet Conditions

- Use caution when riding in wet conditions as it will take longer to brake and to stop. Your tires may slip when turning. The risk of a crash is dramatically increased in wet conditions.
- Your electric bicycle can withstand light rain and small splashes, but it is not designed to be subjected to inclement weather, extremely heavy showers, or submersion in water. The electric bike's components have an IPX rating of 6. Damage caused by water damage will not be covered by the warranty.

Riding at Night

- Riding at night comes with more risks than riding during the day due to decreased visibility; riders are encouraged to exercise increased caution in night time conditions. Turn lights ON for safety. For increased visibility, ensure that the front headlight and rear tail light are turned ON and adjusted so that other people on the road can see them clearly. Also check your front, rear, and wheel reflectors.
- Riders should wear reflective clothing at night. You may want to attach additional flashing lights to your clothing or helmet.



Note Before Assembly

STARTING

Your bicycle comes fully assembled. These instructions are intended to assist you in setting up and getting familiar with your new bicycle.

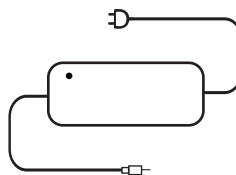
Note: After you make your first adjustments and inspect your bicycle we recommend seeking professional help from a reputable and certified bicycle mechanic to check your bicycle before your first ride.

Before removing the packaging material from your bicycle, remove all items from the box and make sure you have the following:

What's in the box:



AMANO E-Bike



AMANO E-Bike Charger



Manufacturer Manuals



Battery Keys

Product Overview



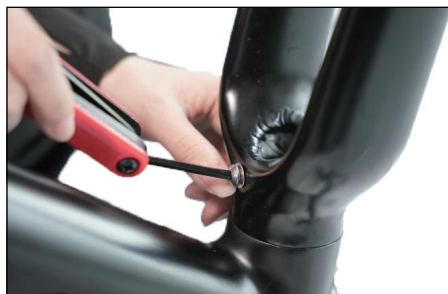
Setting Up Your AMANO E-Bike

Note: This manual is not intended to be an extensive reference book about service, maintenance, and/or repairs. You can find more information on our website: www.amanobikes.com

(1) Installing mudguards



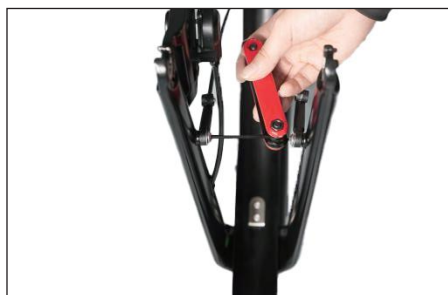
- Inverted bike.



- Remove the front fork screws and install the front fender.



- Then tighten the fender support rod screws.



- Adjust the front fender position and tighten the screws.



Setting Up Your AMANO E-Bike

(2) Install the front wheel



- Line up the fork with the axle at the center of the wheel. Make sure there's a spacer between the fork and wheel on each side.



- Locate the quick-release lever. Open the lever and remove the thumb nut, safety hook, cone spring (opposite the lever). Keeping the washer and other safety hook and cone spring in place on the lever side.



- Pass through and tighten the screw, turning it 12 times to buckle the safety bar.



- Adjust the front fender position and tighten the screws.

Setting Up Your AMANO E-Bike

(3)Installing the pedals



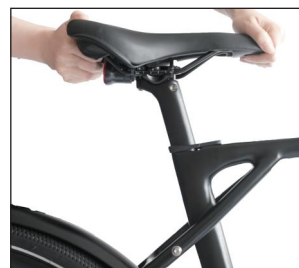
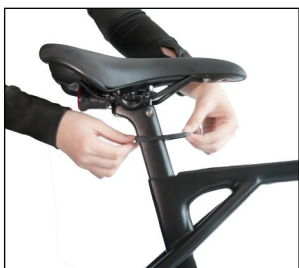
- Looking for the pedal with the "R" mark.
- Installed on the right chainring side crank.
- Rotate clock wise to tighten.



- Looking for the pedal with the "L" mark.
- Installed on the left chainring sidecrank.
- Rotate counter clock wise to tighten.

Setting Up Your AMANO E-Bike

(4) Adjusting the seat height



- Rubber waterproof pad under the mobile seat.
- Loosen the screws to adjust the seat height.
- Tighten the screws and fasten the rubber waterproof pad.

(5) Moving the battery



- Put the key into the lock, turn it to the left which is the direction for unlocking.
- Then gently press the top of the battery.
- When you feel resistance, press the battery slightly harder until you hear a click.

Note: When unlocking and removing your battery pack from the frame, take care that it does not slide out. If your battery impacts the ground and is damaged, discontinue use and contact AMANO E-Bikes immediately.



Setting Up Your AMANO E-Bike

(6)Installing battery



- First, place the bottom of the battery into the frame.



- Then gently press the top of the battery.

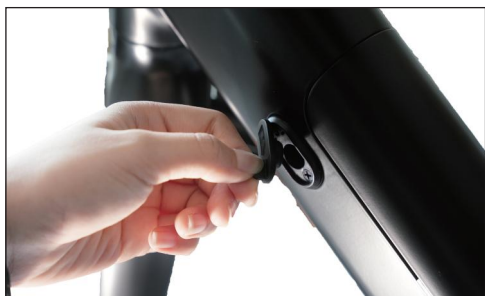


- When you feel resistance, press the battery slightly harder until you hear a click.

Note: Make sure the battery is installed properly and tightly with the frame, it will match the frame smoothly.

Setting Up Your AMANO E-Bike

(7) Charge the Battery



- The battery can be charged either by removing it from the bike or while it is installed on the bike.



- When charging the battery without removing it, first remove the dust plug located on the frame, then insert the charging connector into the charging port.



- When charging the battery after removing it, directly insert the charging connector into the battery's charging port.



- Typically, the charger's indicator light shows red while charging, green when fully charged and also red when not charging. You should fully charge the battery before your first ride.

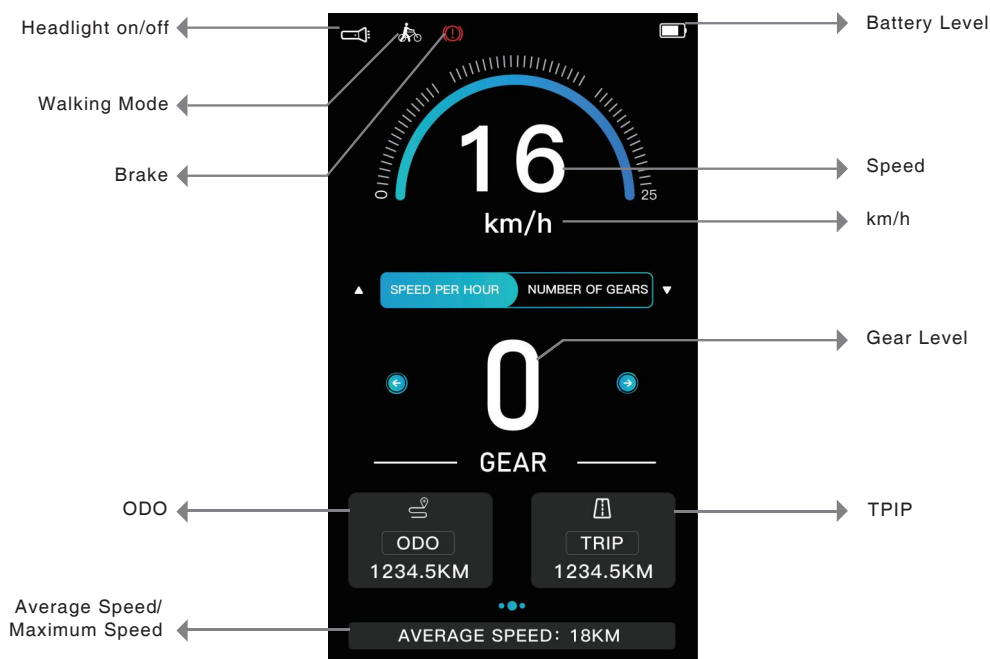
Note: Note: Fire and explosion hazards. Never leave your battery battery unattended while charging to prevent serious injury or death.

Specifications

ITEM	SPECIFICATIONS
Model	S900
Product Dimensions	180*100*67cm
Package Dimensions	172*24*88cm
Max Load	150kg
Package Weight	28.5kg
E-Bike Weight	19.4kg
Max Speed	25km/h
Range	100km
Battery	36V 10Ah
Charger	36V
Charging Time	4- 6 Hours
Tire Pressure	23-25PSI
Bell/Horn	Mechanical bell
Motor	250W
Frame Material	6061 Aluminum frame
IP Level	IPX6

LCD display controls

Bicycle Instruments Page Introduction



● Power Button



● Plus Button

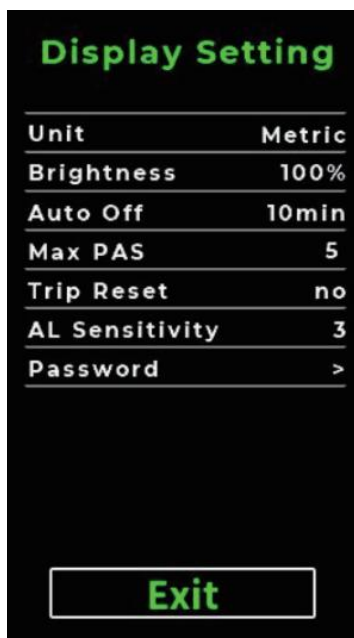
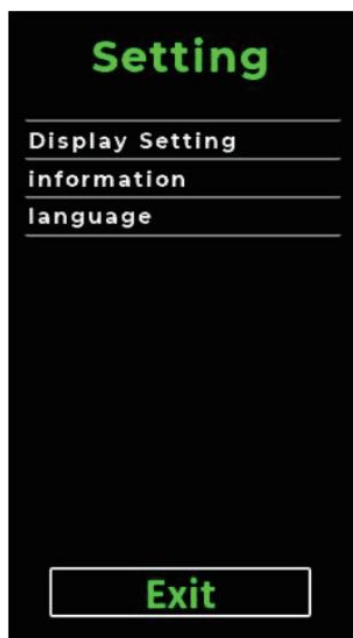


● Minus Button



LCD display controls

1. Long press the POWER button to turn on the device.
2. After powering on, press the "+" or "-" key to control the gear position.
3. After powering on, click the "-" key to adjust to the endurance mode, and long press the "-" key to enter the 6KM cruise (push mode).
4. After powering on, press and hold the "+" button to turn the headlight on and off.
5. Press and hold the "+" and "-" keys for 5 seconds to enter the settings interface.





LCD display controls

Error code

21: Abnormal current	22: Speed control handle abnormality
23: Motor phase loss	24: Motor Hall abnormality
30: Instrument cannot receive controller data fault	
99: High temperature alarm	

Note: The trip meter, as well as maximum and average speed will reset when the bicycle is powered OFF.

To prevent serious injury or death, DO NOT change settings excluded from the table. Changing setting not listed in the following table may cause your bike to stop working properly. If you need the default setting values of settings not listed, contact AMANO E-Bike. DO NOT ride your bicycle until the default settings have been restored.

Do not tamper with your bicycle. Tampering is defined as removing or replacing any original equipment or modifying your bicycle in any way that may change its design and/or operation. Such changes may seriously impair the handling, stability, and other aspects of the bicycle making it unsafe to ride. Tampering can void the warranty and render your bicycle non-compliant with the applicable laws and regulations. AMANO E-Bikes is not responsible for any direct, incidental, or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses due to tampering.



Functions

Walk Mode

Electric bicycles are heavier than bicycles, To make walking the bicycle easier, your AMANO is equipped with Walk Mode, which can be toggled on or off in the settings menu. Walk Mode maybe subject to local regulations. Check your local regulations to determine if it is allowed.

To activate:

Hold down the minus (-) button on the display control pad and the motor will engage at a speed similar to a slow walk.

To deactivate:

Pull either brake lever to disengage Walk Mode or press and hold the minus (-)button on thedisplay control pad.

Note: When Cruise Control is active, "Cruise" will appear on the display



Warning Messages

Frame

Never modify your frame or bicycle in any way as this could cause serious injury or death. Do not sand, drill, file, or remove parts from your bicycle. Do not install incompatible components or hard ware.

Motor & Electric System

Do not open the drive unit yourself, The drive unit must only be repaired by qualified personnel using only original parts. This will ensure that the safety of the drive unit is maintained. Unauthorized opening of the drive unit will render warranty claims null and void. All components fitted to the drive unit and all other components of your AMANO E-Bikes system (e.g. chaining, chaining receptacle, pedals) must only be replaced with identical components or components that have been specifically approved by AMANO E-Bikes. This should help protect the motor from overloading.

Always remove the battery pack from your AMANO E-Bikes before beginning work (e.g. inspection, repair, assembly, maintenance, work on the chain, etc.), transporting it with a car or on an airplane, or storing it. Battery pack removal should prevent unintentional activation of your AMANO E-Bikes.

Do not make any modifications to your AMANO E-Bikes or attach any other products that might increase the performance of your AMANO E-Bikes. Doing so will generally reduce the service life of the system and risks damaging the drive unit and the bicycle. You also run the risk of losing the guarantee and warranty claims on the bicycle you have purchased. Under extreme conditions, such as continuously high loads at low speeds when riding up hills or carrying loads, parts of the motor can reach high temperatures.



Warning Messages

Brake System

Always apply the right brake lever (rear wheel) before and during the use of the front brake. Always apply even pressure to both brake levers when slowing down or stopping. If only the front brake is applied while slowing or stopping quickly, you may be ejected over the front handlebars before riding, check to ensure brake levers do not touch the handlebars when fully applied, if either lever touches the handlebars screw or unscrew the barrel adjuster to increase tension in the brake cable. If this does not fix the problem, take your bicycle to an experienced bicycle mechanic for further adjustment.

Disc brake rotors will become hot during use and will stay hot for a short period after use. Top prevent burns, do not touch the disc rotor right after use.



Things to know before riding

Matters that need to be checked

Check your electric bike to make sure the front and rear axles, handlebars and seat are secure.

Check that the handlebar lock and frame lock are fully closed and locked.



Things to know before riding

Pull the brake lever to ensure that the brakes are working properly and adjust them if necessary. Do not exceed the maximum total weight limit of 150 kg. The maximum load for the rear rack is 35 kg. For example, if you have 18 kg of cargo, then the maximum rider weight limit is 63 kg.

Carry only the cargo you need. Too much weight will drain your battery faster and affect the bike's handling.

Make sure all components are properly secured

Make sure the battery is fully charged.

Please fasten your helmet.

Safety tips

Your electric bike may accelerate faster than expected, and you might feel unaccustomed at first. Before riding, use the lowest level of assistance and practice starting, stopping, turning, and avoiding obstacles in a safe environment away from other bikes, pedestrians, or vehicles to familiarize yourself with the AMANO electric bike. You should also pay special attention to terrain conditions, as you may approach obstacles more quickly than anticipated.

The pedal assist function can be activated immediately when you step on the pedals and start pedaling. Always remain seated on the bike and use at least one brake before starting to pedal. Do not place one foot on the pedals while crossing your other leg over the bike, as this may cause your electric bike to accelerate unexpectedly.



Things to know before riding

How to start and finish a ride

1. Insert the key and rotate counter clockwise to the "ON" position. The key will be parallel to the frame and you will not be able to remove the key from the battery pack.
2. Hold down the power button on the left handle until the display lights up.
3. Use the plus (+) and minus (-) buttons to select the pedal assist level.
4. When the bike has come to a complete stop, press the button to turn off the display. This ensures that the motor does not start until the display is turned on again and ready to ride.

Do not use the walking mode when riding or sitting on an AMANO electric bike. Press the minus (-) button to start the electric bike at walking speed.

Battery safety

Battery pack refers to all original AMANO electric bicycle battery packs.

We place great importance on the safety of our customers and products. Our electric bicycle batteries use lithium-ion technology, developed and manufactured with the latest techniques. We comply with or exceed all relevant safety standards. When charged, these lithium-ion batteries contain high energy. If a fault occurs (which may not be detectable from the outside), in rare cases and under adverse conditions, the lithium-ion battery could catch fire. Please be extremely cautious when using and charging the battery. Failure to follow the guidelines below may result in property damage and/or serious injury. If you have any questions about battery safety, please contact AMANO electric bicycle Company immediately.

Do not open your AMANO electric bicycle battery, even for maintenance; there is a risk involved. If an already opened electric bicycle battery is reused later, this risk increases. In case of a malfunction, do not attempt to repair the electric bicycle battery yourself. It should be replaced with an original AMANO electric bicycle battery pack.

Do not leave the battery unattended while charging.

To remove the battery, remove the rubber plug from the charging point.

When not in use, please remove the battery from the bicycle and store it in a safe place to prevent unauthorized use. Do not immerse the battery in any liquid.

Do not touch the terminals on the battery.

Turn off the display when not in use and before removing the battery pack.

Battery safety

Battery leakage may occur under extreme use or temperature conditions. Avoid contact with skin and eyes. Battery fluid is corrosive and can cause chemical burns. If battery fluid comes into contact with the skin, rinse immediately with soap and water. If the liquid gets into the eyes, rinse with water for at least 15 minutes and seek medical help. The battery pack should not be difficult to insert or remove. Do not force the battery into or out of the bicycle frame.

Battery charging time may increase with battery aging and use.

When plugging in or unplugging power, hold only the plug and not the cable.

If there is a problem with the battery charging, stop charging immediately and contact AMANO E-Bikes.

Do not puncture or squeeze the battery pack. Do not hit the battery pack or modify it in any way. Do not use if the battery pack is visibly damaged. The above conditions increase the risk of fire or explosion.

Prevent battery packs from heating (e.g., temperature > 60°C), fire and immersion in water. These conditions increase the risk of fire or explosion.

Be sure to remove the battery pack before starting to use the AMANO electric bike, transport or store it by car or plane. (Maintenance, assembly, maintenance, chain repair, etc.) The accidental start of the AMANO electric bike may cause injury.

Do not open the battery. There is a risk of short circuit. Opening the battery will invalidate the warranty.

When the battery is not in use, keep it away from paper clips, coins, keys, nails, screws, or any other small metal objects that could form a connection between the battery terminals.

A short circuit between the battery terminals can cause burns or fires. In such cases, the damage caused by the short circuit will invalidate all warranty claims for the AMANO E-Bikes.

Avoid mechanical loads and exposure to high temperatures. These factors can damage the battery unit and cause flammable contents to leak.

Battery safety

Do not place the charger or battery near flammable materials. Make sure the battery is completely dry and placed on a fire-resistant surface before charging. Charging generates heat and poses a fire risk.

Your AMANO E-Bikes battery must not be unattended while charging.

If used improperly, the liquid may leak from the battery. Avoid contact with this liquid. If contact occurs, rinse with water. If the liquid gets into your eyes, seek additional medical help. Battery leakage can cause irritation or burns. The battery must not be subjected to mechanical shock. If the battery falls or is hit by another object, it may be damaged. Smoke may be produced if the battery is damaged or used improperly. Ensure that the area is well ventilated and seek medical assistance if any adverse reactions occur. Smoke may irritate the respiratory system.

Use the original AMANO E-Bikes charger to charge the battery. If a non-AMANO E-Bikes charger is used, the risk of fire cannot be ruled out.

Use the battery only with AMANO E-Bike. This is the only way to protect the battery from dangerous overload. Use only the original AMANO electric bicycle battery pack approved by the manufacturer. Use of other batteries may result in injury and fire hazards. AMANO electric bicycles do not assume any responsibility or warranty claims for the use of other batteries.

Keep batteries out of reach of children.

Be sure to turn off the display before removing the battery pack.

After each use, be sure to remove the key from the battery pack. This prevents unauthorized use of your AMANO electric bike's powered functions and the risk of others removing the battery when not in use. Failing to ensure that the bike is not used without authorization could result in death or serious injury.



Charging safety

Find the charging port on the side of the battery. This port can be used to charge the battery when the bike is equipped or not equipped with a battery.

Do not leave the battery unattended while charging.

Do not connect the battery pack to a charger until it reaches the allowable charging temperature.

Do not charge the battery with a charger other than the one provided by AMANO E-Bikes.

The battery can only be charged in an indoor and dry environment, and the temperature should not be too high or too low (room temperature is within 12°C).

When using a charger, make sure there are no flammable items, dirt or debris nearby.

When the battery is fully charged, the charger will automatically stop charging.

When charging, the indicator light on the charger is red and turns green after charging is complete.

When the battery is fully charged, avoid plugging the charger into the power supply.

Do not charge the battery if it is found to be damaged, overheated, leaking, smelly or discolored.

If the battery is mostly depleted, it will take about 4-6 hours to recharge.

Store the battery in a dry indoor place, away from heat or fire source, and avoid direct sunlight.

When charging, the charger may become hot (> 73°C). Please use with care and avoid contact with the charger body. To reduce the risk of injury, charge only your AMANO E-Bikes. Other types of batteries can explode, causing personal injury and damage.

Only lithium-ion battery packs recognized by AMANO E-Bikes can be charged. The battery pack voltage must match the charger's battery pack charging voltage, otherwise there is a risk of fire and explosion.



Charging safety

Use only the original AMANO electric bicycle battery charger provided with your electric bicycle or a battery charger approved by the manufacturer and purchased from a reliable source for your electric bicycle. Using an unauthorized or counterfeit battery charger may result in death or serious injury.

Do not expose the charger to rain or damp. If water enters the charger, it may cause electric shock.

Keep the battery charger clean. Pollution can lead to an electric shock risk. Clean only with a damp cloth (gentle soap/water).

Check the charger, cable and plug before use. If any damage is found, stop using the charger. Do not open the charger. Damaged chargers, cables and plugs increase the risk of electric shock.

Do not operate the charger on flammable surfaces (such as paper, textiles) or in a flammable environment. Otherwise, the charger may heat up and cause a fire.

Touching the charger while it is charging can cause burns. The charger can get very hot, especially when the ambient temperature is high.

If smoke is produced by a damaged or improperly used battery, ventilate the area and seek medical assistance if necessary. This smoke may irritate the respiratory tract.

The battery shall not be subjected to mechanical shock. Otherwise, the battery pack may be damaged.

Keep the battery charger out of reach of children to ensure that children do not play with the charger.

People who are unable to safely operate the charger due to physical, sensory or mental limitations, or lack of experience or knowledge, should use it under the supervision of a responsible person or under guidance to avoid operational errors and injury.

Pay attention to household voltage! The power supply voltage must be consistent with the specifications given on the battery charger nameplate.



Charging safety

To be charged:

Plug the cable from the charger into the port on the side of the battery pack.

Plug the charger power cord into the power outlet. When connecting to a household power supply, use only the provided input connection: standard AC power cord

Note: Charging is only allowed when the temperature of your AMANO E-Bikes battery is within the allowable charging temperature range.

After the battery is charged, the indicator light on the charger turns green and the cable and power cord of the battery interface are unplugged. If you charge the battery on the bicycle frame, please carefully insert the plug after charging to avoid dust or water entering the battery interface.

Storing Batteries

Storage instructions

Charge the battery pack before and during storage

When the battery pack is not used for several weeks or months, remove it from the electric bicycle and store it at about 60% charge according to the energy bar on the display. At around 60% charge, the performance degradation of the battery is less compared to high charge levels. Check the battery level every 2-3 months and charge it to 60% as needed.

Note: If the battery is not charged for a long time, even if the self-discharge rate is low, it may damage the battery and reduce the battery capacity.

To get the best life out of your battery pack, plan to charge it a few hours before you ride. For example, if your battery drops to 50% while riding, but you plan to use the bike a few days later, wait until the day before you use it again to charge the battery pack.

Do not charge the battery unattended or leave it overnight on the charger.

It is not recommended to permanently connect the battery to the charger.

Stroing Batteries

As the battery pack ages, the capacity will gradually decrease and eventually need to be replaced. The running time after charging is significantly shortened, indicating that the battery pack has worn out and must be replaced. You can replace it yourself by buying a replacement battery pack from AMANO E-Bikes.

condition of storage

Store the battery pack in a dry, well-ventilated place if possible. Protect it from moisture and water. Always store the AMANO E-Bikes battery pack in the following locations:

The battery is placed in a room with a smoke alarm;

Keep batteries away from flammable or combustible materials;

Keep batteries away from heat sources.

To achieve the best service life, store AMANO electric bicycle batteries in a temperature range of 10°C to 20°C. Do not store them below -10°C or above 60°C. Ensure not to exceed the maximum storage temperature. For example, do not leave the battery in the car during summer and store it away from direct sunlight.

Note: It is not recommended to install the battery on the bike for a long time.

Troubleshooting

Common problems and solutions

1. Electrical system failure

The battery cannot be recharged.

Check whether the charger is connected to the power supply and whether the charging interface is clean and free of oxidation.

Ensure the use of the original charger (input: 100-240V, output: 42V/2A).



Troubleshooting

If the battery temperature is too high ($> 40^{\circ}\text{C}$) or too low ($< 0^{\circ}\text{C}$), pause charging until the appropriate temperature.

2. Mechanical system failure

Brake failure or reduced braking force

Check the thickness of brake pads (must be greater than 1mm), and replace them immediately if they are severely worn.

Calibrate the brake caliper position to ensure that the brake disc is centered and not deformed.

Check whether the brake line is loose or broken, and readjust the tension if necessary.

Motor noise or power interruption

Make sure that the motor wire connection is firm, and the interface is not water or corrosion.

Check whether the tire is stuck with foreign matter causing excessive resistance.

If the motor temperature rises abnormally (touch is hot), stop using it and contact after-sales service.

3. Software and sensor failure

Failure to switch modes:

Restart the bike power supply and reset the sensor (controller operation).

Check whether the handle control button is stuck or damp.

4. Emergency handling

The braking system is completely out of service:

Immediately release the accelerator and use the foot pedal to reduce the reverse resistance.

Look for a flat area or soft obstacle (such as grass) to park and avoid sharp turns.



Troubleshooting

Contact AMANO Emergency Support (Email: support@amanobikes.com).

Battery smoking or fire:

Stay away from the fire source and use a dry powder extinguisher to put out the fire.

Do not use water.

Immediately evacuate the surrounding personnel, contact the fire department and after-sales service center.

Brake System

Each component of the AMANO electric bike is automatically continuously monitored.

If a fault is detected, an error code will be displayed on the display screen.

21: Abnormal current

22: Speed control handle abnormality

23: Motor phase loss

24: Motor Hall abnormality

25: Brake abnormality

30: Instrument cannot receive controller data fault

99: High temperature alarm



Maintenance

Note: Our warranty does not include any repair costs

You should regularly maintain your bike at a local bike shop. Do not open any parts, including the battery, display, motor. Maintenance can only be done at a bike repair shop.

Maintenance

Be sure to remove the battery pack before performing any bicycle inspection, maintenance or repair.

If you suspect a part is loose, do not ride the bike. All nuts, bolts, and screws need to be tightened with the correct torque. Too little force can result in the fastener not securing properly; too much force can cause damage, stretching, deformation, or even breakage of the threads. In either case, incorrect tightening can lead to component failure, causing you to lose control and potentially leading to an accident. Please take your bike to a bicycle repair shop for service.

Do not spray paint any parts of the AMANO electric bike, otherwise it may cause premature failure of the parts.

Do not immerse your AMANO electric bicycle or its components in water; use a high-pressure washer for cleaning. Always pay attention to the operating and storage temperatures of your AMANO electric bicycle and its components. Protect the motor, display, and battery pack from extreme conditions (strong sunlight, while ensuring good ventilation). Extreme temperatures can damage components (especially the battery pack). Please have your AMANO electric bicycle serviced at least once a year.

Daily inspection and maintenance

routine inspection:

- Before the second ride: check the brake sensitivity, tire pressure, lights, battery and all fasteners.
- Regular inspection: it is recommended to check the brake system every 200-300 km; a comprehensive test should be carried out every 1000 km.

Maintenance

- Clean the frame and parts with wet cloth or soft brush to avoid high-pressure water gun flushing electronic components.
- Regularly add lubricants to chains, gears, brake blocks and other components to keep smooth operation.
- Proper battery management is recommended. Charge the battery in an ambient temperature range of 0 to 30°C and perform a full charge and discharge cycle every three months.



Legal safeguards

Warranty Statement:

AMANO E-Bikes A two-year statutory warranty is available from the date of delivery. During this period, if any defect related to conformity occurs,

Consumers are entitled to free repair or replacement. Within the first 12 months after delivery, consumers are not required to prove that the defect existed at the time of delivery.



Legal safeguards

Disclaimer: The original registered purchaser, subsequent owners, and all other anticipated and unforeseen users of this bicycle have no right to claim any indirect or incidental damages from AMANO Electric Bicycle Company. No warranty of merchantability or fitness for a particular purpose is given. This warranty is non-transferable and applies only to the original owner. This warranty confers specific rights upon you, and the purchaser may have other rights that may vary by region. Normal wear and tear parts (such as brake pads, tires), maintenance or use not in accordance with the instructions, damage caused by accidents or misuse, unauthorized modifications or use of non-original parts, use for commercial purposes or rental services, damage not caused by failure to follow the manual instructions, natural disasters, accidents, misuse, negligence, abuse, commercial use, modification, improper assembly, installation of parts or accessories incompatible with the sold AMANO electric bicycle, operational errors, water damage, extreme riding, stunt riding, or improper subsequent maintenance are not covered under this warranty. Accessories sold on Xxx.Com are not covered under this warranty. Stolen bicycles are not covered under this warranty.

AMANO additional offers:

Frame: 2 years warranty for material and process defects from the date of purchase

Battery: 1 years from the date of purchase or 600 charging cycles (whichever comes first)

Motor and control system: 2 years from the date of purchase

Standard components: 1 year from the date of purchase



Legal safeguards

Necessary preventive measures must be taken to ensure that bicycles and batteries are not exposed to harsh weather conditions. Exposure to extremely humid, hot, or cold environments may result in warranty failure. AMANO E-Bikes will replace any parts deemed damaged during transportation. Damage to goods must be reported to AMANO E-Bikes within 14 days of arrival. This applies to all products, including bicycles and accessories.

You will not be compensated for replacing damaged parts.

Before providing photographic evidence to AMANO E-Bikes, AMANO E-Bikes may request additional documents (such as video) to help accurately diagnose the problem and process warranty claims.

Most warranty parts will be completed within 1-10 business days after the customer service representative enters the request into the system. Depending on the size of the part, warranty parts will be sent via support@amanobikes.com. Warranty parts will not be expedited.

Items such as chains, tires, wheels, rims, inner tubes, battery handles, brake discs, brake pads, cables and enclosures, handles and spokes are considered wear parts. These items will wear out during normal use and are not covered by warranty. You are responsible for replacing and maintaining these wear parts.

Any unauthorized changes or repairs are not covered by the warranty and may invalidate this warranty.



Legal safeguards

For warranty service, please contact AMANO E-Bikes online support via email support@amanobikes.com. Parts returned without accurate documentation may result in delayed service or rejection of the warranty. The claimant is responsible for the cost of returning the item, as well as customs duties and taxes. All unauthorized returns will be rejected.

Please note, your insurance policy may not cover accidents involving AMANO electric bicycles. To determine if coverage is provided, you should contact your insurance company or agent. Damage caused by accidents is not covered under this warranty, and AMANO electric bicycles are not responsible for the repair or replacement of damaged bicycles or parts.

Application procedure:

If warranty service is required, please contact the original store or any AMANO authorized service center and provide purchase certificate.

After-sales support:

service network

AMANO has a well-established network of authorized services within the EU to ensure compliance with the EU's requirements for the availability of services for electric bicycles.

Contact way:

Service email: support@amanobikes.com

AMANO E-Bikes We reserve the right to change our warranty terms at any time without notice.



Legal safeguards

Application procedure:

Riding any type of bicycle comes with unpredictable and unavoidable risks and dangers. These dangers can lead to serious accidents, injuries, or even the death of the rider. Riders have a responsibility to receive appropriate education and be adequately prepared to ensure safe riding. Once you own a bicycle, AMANO E-Bikes strongly recommends that all customers have a certified and reputable bicycle mechanic conduct a thorough inspection of every component on the bike to ensure its safe operation. AMANO E-Bikes makes no warranty or representation regarding brakes, batteries, frames, motors, motor controllers, displays, electrical cables, cable jackets, fasteners, handlebars, front forks, seat posts, gear shifters, helmets, seat posts, seat clamp, stem clamp, saddles, wheels, etc. The hub, handlebars, spokes, rim, tire, inner tube, gear shifters, freewheel, chainring, throttle, pedals, lights, reflectors, hardware, seat post bracket, or any other component or accessory will be properly secured and adjusted upon arrival. Before each ride, thoroughly inspect the bicycle to ensure all components are properly secured and adjusted.



EPAC according to EN15194

www.amanobikes.com