

## Installation Video



Thank you for choosing us! you can scan the QR code to view the installation video.



# User Manual

Model: A02-US



# Thank you for choosing us!

Please check the contents of the package carefully after unpacking the bicycle. If any items are missing or damaged, please contact after-sales personnel.

Please make sure it is fully charged before first use and make sure the e-bike is fully charged before each use.

If you have any questions, please contact our aftersales support team. We will provide you with technical support and suitable solutions as soon as possible.



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# **Instructions before using your bike**

The company reserves the right to change and interpret the product models, specifications or related information mentioned in this manual.

The features of a specific model mentioned in this user manual apply only to that specific model.

The product models, specifications or related information mentioned in this user manual are subject to modification or change without further notice.

This manual may not be copied, modified, reproduced, transmitted or published in any form without the prior written consent of our company.

Please read this instruction manual carefully before using the product and operate it in accordance with this instruction manual. Otherwise, our company will not be liable for product damage, personal injury or property loss caused by improper use or errors.

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## Product Safety Notice

Please wear appropriate clothing and safety gear: flat shoes that cover your toes, knee pads, elbow pads, avoid wearing any clothing that could catch on or get caught under the wheels, and be sure to wear a helmet that complies with the laws of your region or state.

Please check with your local police department to find out what other protective gear is required by your area or state laws.

Wear bright reflective clothing and keep reflectors clean so anyone can observe you from a distance.

Keep the keys properly. You cannot turn on the bike or replace the battery if the unique keys are lost. If necessary, you should get more spare keys.

Ensure your e-bike's battery is fully charged before you go for a ride.

Always be aware of local road regulations and comply with them.

Please do not ride an e-bike while under drugs or alcohol.

Please respect pedestrians, avoid scaring them, especially children and the elderly, and slow down and leave enough space when you pass them.

Do not ride in wet conditions. Otherwise, you could be injured due to slippery roads. Wet conditions may also damage electronic equipment and invalidate the warranty.

Raise the kickstand and put both feet on the ground to maintain balance (stability) before starting.

Please use this device only in authorized locations, if this location requires permission, please request it.

Do not lend your device to someone who has not been trained to use it. Be sure this person wears the appropriate protective gear.



## Warning Message

1. Keep it dry - e-bikes are not waterproof. Water can damage electronic equipment, and our warranty does not cover water damage.
2. Do not store your e-bike in places with high temperatures or corrosive gases or expose it to direct sunlight or rain for extended periods.
3. Excessive use - We do not cover physical damage due to negligent care and extreme riding.
4. Please do not touch the charging port directly or allow it to come into contact with metal objects.
5. To avoid injury, please avoid touching the running parts of an electric bicycle.
6. Before riding - always check your electric bike to ensure it runs correctly before each use.
7. Before riding—Always check that the brake system is working properly, especially for the first time, as the brake system may become loose after folding and transporting; also, make sure all safety labels are in place and you understand the safety warn.
8. Before you ride, please check that the tires are in good condition, inflated properly, and have enough tread remaining.
9. Never exceed the 264.5lbs(120 kg) maximum load rating.

10. Note: Note: E-bikes are not recommended for use by those under 16 years old, Riders over 16 and under 18 require adult supervision when using this product.

11. To save power, use the auxiliary mode and avoid zero starts, frequent braking, driving against the wind, carrying heavy loads (including passengers), and riding with insufficient air pressure.

12. Do not ride in sand, puddles, mud, or other wet, damp or rugged surfaces as this may damage the electronic components of the unit. Also be especially careful in wet conditions as traction can be greatly reduced and brakes becoming less effective.

13. MODIFICATIONS AND REPAIRS: This e-bike is a highly sophisticated electronic product that includes complex, technical circuitry. Attempting to repair or modify your unit WILL VOID all warranties. Only authorized repair centers may open and service the product.

14. By riding this e-Bike, the user acknowledges and accepts that all risks associated with the use of the e-Bike are borne solely by the User and all risks to yourself or others that may be incurred while using the e-Bike.

15. Whenever you ride an e-bike, you are at risk of severe injury or even death due to loss of control. Severe injuries and even death from failure of control crashes and falls. Please ride with caution and at your own risk.

16. Additional insurance may be required to cover situations you encounter while riding an electric bike. You should contact an insurance company or broker for advice and consultation.



# Pre-Ride Safety Checklist

Notice: Before every ride, and after every 25-45 miles (40-72km), we advise following the pre-ride safety checklist.

| Safety Check         | Basic Steps   |
|----------------------|---|
| 1. Brakes            | <ul style="list-style-type: none"> <li>• Ensure front and rear brakes work properly</li> <li>• Check brake pads for wear and ensure they are not over-worn</li> <li>• Ensure brake pads are correctly positioned in relation to the rims</li> <li>• Ensure brake control cables are lubricated, correctly adjusted, and display no obvious wear.</li> <li>• Ensure brake control levers are lubricated and tightly secured to the handlebars.</li> <li>• Test brake levers are firm and that brake, motor cutoff functions, and brake light are functioning properly</li> </ul> |
| 2. Wheels and Tires  | <ul style="list-style-type: none"> <li>• Ensure tires are inflated to within the recommended limits displayed on the tire sidewalls and holding air.</li> <li>• Ensure tires have good tread, have no bulges or excessive wear, and are free from any other damage.</li> <li>• Ensure rims run true and have no obvious wobbles, dents, or kinks.</li> <li>• Ensure all wheel spokes are tight and not broken.</li> <li>• Check axle nuts and front wheel quick release skewer is correctly tension, fully closed, and secure position.</li> </ul>                              |
| 3. Steering          | <ul style="list-style-type: none"> <li>• Ensure handlebar and stem are correctly adjusted and tightened and allow proper steering.</li> <li>• Ensure the handlebar is set correctly in relation to the forks and the direction of travel.</li> </ul>  |
| 4. Chain             | <ul style="list-style-type: none"> <li>• Ensure the chain is oiled, clean, and runs smoothly.</li> <li>• Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.</li> </ul>  |
| 5. Bearings          | <ul style="list-style-type: none"> <li>• Ensure all bearings are lubricated, run freely, and display no excess movement grinding, or rattling</li> <li>• Check headset, wheel bearings, pedal bearings, and bottom bracket bearings.</li> </ul>   |
| 6. Cranks and Pedals | <ul style="list-style-type: none"> <li>• Ensure pedals are securely tightened to the cranks.</li> <li>• Ensure the cranks are securely tightened and are not bent.</li> </ul>   |
| 7. Derailleurs       | <ul style="list-style-type: none"> <li>• Check that the derailleur is adjusted and functioning properly.</li> <li>• Ensure shifter and brake levers are attached to the handlebar securely.</li> <li>• Ensure all brake and shift cables are properly lubricated.</li> </ul>  |

| Safety Check                         | Basic Steps   |
|--------------------------------------|---|
| 8. Frame,Fork,and Seat               | <ul style="list-style-type: none"> <li>• Check that the frame and fork are not bent or broken.</li> <li>• If either frame or fork are bent or broken,they should be replaced.</li> <li>• Check that the seat is adjusted,properly and seat post quick release lever is securely tightened.</li> </ul>   |
| 9. Motor Drive Assembly and Throttle | <ul style="list-style-type: none"> <li>• Ensure hub motor is spinning smoothly and motor bearings are in good working order.</li> <li>• Ensure <b>all</b> power cables running to hub motor are secured and undamaged.</li> <li>• Make sure the hub motor axle bolts are secured and <b>all</b> torque arms and torque washers are in place.</li> </ul>   |
| 10. Battery                          | <ul style="list-style-type: none"> <li>• Ensure battery is charged before use.</li> <li>• Ensure there is no damage to battery.</li> <li>• Lock battery to frame and check to see that it is secured.</li> <li>• Charge and store bike and battery in a dry location,between 50°F-77°F.</li> <li>• Let bike dry completely for using again</li> </ul>   |
| 11. Electrical Cables                | <ul style="list-style-type: none"> <li>• Look over connectors to make sure they are fully seated,free from debris or moisture.</li> <li>• Check cables and cable housing for obvious signs of damage.</li> <li>• Ensure headlight,tailight,and brake light are functioning adjusted properly, and unobstructed.</li> </ul>  |
| 12. Accessories                      | <ul style="list-style-type: none"> <li>• Ensure <b>all</b> reflectors are properly fitted and not obscured.</li> <li>• Ensure <b>all</b> other fittings on bike are properly secured and functioning.</li> <li>• Inspect helmet and other safety gear for signs of damage.</li> <li>• Ensure rider is wearing helmet and other required riding safety gear.</li> <li>• Ensure mounting hardware is properly secured if fitted with rear rack.</li> <li>• Ensure taillight and taillight power wire are properly secured if fitted with rear rack.</li> <li>• Ensure fender mounting hardware is properly secured if fitted with fenders.</li> <li>• Ensure there are no cracks or holes in fenders if fitted with fenders.</li> </ul> |



Your cables,spokes,and chain will stretch after an initial break-in period of 18-36 mile (30-60km),and bolted connections can loosen.Always have a certi-fied,reputale be mechanic perform on your E-bike after your inital break-in period of 18-36 mile(30-60km) (depending on riding conditions such as total weight,riding characteristics and terrain). Regular inspections and tune-ups are particularly impotant for ensuring that your bike remains safe and fun to ride.

# Things to note when unpacking

Unpack the bike and carefully check the contents of the box. If anything is missing or damaged, contact Customer Support. It is recommended that you get an adult to help you remove the bike from the box.

Take out the toolbox inside, and lay out all the tools for installation.

Carefully remove the packing material that protects the bike's frame and components. Please recycle packing materials, especially cardboard and foam.

## Assembling parts

|   |   |   |
|---|---|---|
| Front wheel center shaft  | Front wheel   | Saddle  |
|     |    |    |
| Front fender  | Pedals  | Toolkit   |
|   |   |   |
| Accelerator   | Charger   | Key   |
|  |  |  |

# Product Overview



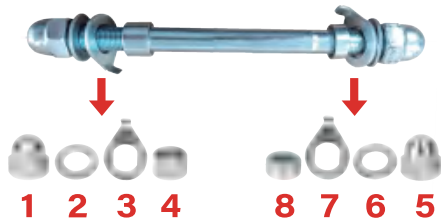
Note: Product upgrades may cause the actual product you receive to be different from the photos. Please don't worry. The specific functions are the same and will not affect your normal use.

# Assembly

The following assembly steps are only part of the guide to help you assemble your electric bike. If you need more help, please visit [www.avdlbike.com](http://www.avdlbike.com), including installation video demonstration. We recommend that you consult a certified, reputable mechanic for assistance when assembling, repairing and maintaining your e-bike.



1. Use a wrench to remove the front fork fixed protective plate.



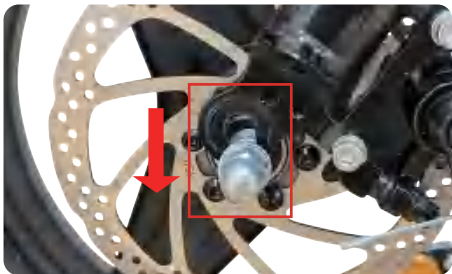
2. Find the center axle of the front wheel in the accessories box. There is a sticker in the middle to distinguish the left and right gaskets. First loosen gaskets No. 1, 2, 3, and 4 and put them aside. Do not disrupt the order.



3. Note that No. 8 is shorter than No. 4. No. 8 should be on the brake pad side and inserted into the center of the front wheel.



4. Please observe the finished picture first, assemble in order, insert the front fork between 3, 4 and 7, 8.



5. Insert the front fork opening into the center axis of the front wheel.



6. Pay attention to insert the washer with hook into the front fork safety buckle and fix it, then assemble the washer in order and tighten the nut.



7. Align the front tube with the inner hole of the front fork riser and insert it.



8. Align the red mark and tighten the screws with the appropriate tool.



9. Merge the riser upwards and push the handle inward to close the device.



10. If you need to open the riser folding device, push the switch on the handle upward and open the handle outward at the same time.



11. Unscrew the handlebar quick release device, be careful not to lose the upper cover and screws.



12. Merge according to the device thread, and the handlebar position can be adjusted according to your riding habits.



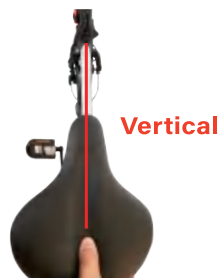
13. Tighten the handlebar quick release screws.



14. Check whether the handlebar is 90° perpendicular to the frame or front wheel.



15. Put the seat post into the seat tube. Note: Do not raise the seat post to expose the minimum scale mark on the seat tube. Turn the knob on the seat post clamp to the appropriate tightness, then press the handle to lock it.



16. Before riding, you must check whether the seat head and the frame are aligned in a straight line, and whether the seat is loose.



17. Install the front fender on the front fork. (When unboxing, the front fender and rear fender are tied together, please take off the front fender)



18. Find the pedal shaft and pedal marked with the corresponding letter, and tighten the nut in the direction indicated by the pedal shaft sticker.



1. This is a foldable pedal. When storing and transporting, the pedal can be folded to save space and facilitate transportation.



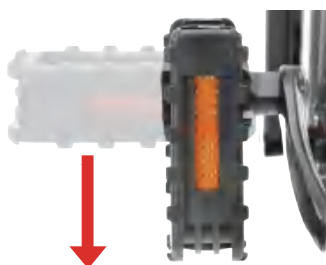
2. Observe the position in the red frame in the picture.



3. Press it inward.



4. After the buckle in the red frame in the picture is exposed, it can be folded up 90° or down 90°.



5. Folding is complete.



## Assembly Safety Tips

1、 NOTICE: Ensure the seatpost and seat are properly adjusted before riding. DO NOT raise the seatpost beyond the minimum insertion marking etched into the seatpost tube(as shown at right).If the seatpost projects from the frame beyond these markings(shown far right), the seatpost or frame may break, which could cause a rider to lose control and fall. Ensure the minimum insertion markings on the seatpost are inside the seat tube of the frame.

2、 Before using the bike, always check to ensure all latches, levers, and quick releases are properly secured and undamaged. Check that they are correctly secured before every ride and after every time the bike is left unsupervised, even for a short time. Otherwise, the handlebar stem and/or seatpost may come loose and can result in loss of control, damage to the bike, property, serious injury, and/or death.



## Remove and install batteries

This is a 14-inch micro urban commuter folding bike with a lightweight and compact battery that is detachable and easy to carry. Equipped with a mechanical lock to prevent battery theft.



1. The key and lock are only used to lock and remove the battery.



2. Turn the key to the left and the battery will pop out automatically.




3. At this point, the battery can be easily removed upwards.



4. Press down, and the battery will lock back automatically.

# Battery Charging



1.  This button is only used to indicate the remaining power, not as a power button. The green light on means 70% of the remaining power, the yellow light on means the remaining 30-69%, the red light on means the remaining 30% power, the power may be insufficient when the red light is on, please charge in advance.



2. The battery can be charged directly on the bicycle, or taken out separately and carried to a safe place to charge. When charging, remove the rubber cover on the charging port, and remember to close it after charging.



3. When charging, please connect the charger to the battery charging port first, and then to the socket. After fully charged, unplug the interface on the socket first, and then unplug the plug of the battery charging port.



4. When the charger is working normally: In the charging state, the indicator light on the charger is red. When fully charged, the charging indicator light turns green.

**NOTE:** After removing the battery, store it in a flat and safe place.

Cannot turn on the power or display while charging is in progress.

Please keep the power cord and charging port dry. After charging is completed, unplug the charging cable and cover the rubber cap on the charging port to prevent water from entering.

The battery must be fully charged before using the e-bike for the first time.

## Charging Safety Tips

1. Always charge the battery in an environment with a temperature between 50°F-77°F (10°C-25°C) and make sure the battery and charger are not damaged before starting charging. If you find any abnormalities while charging, please Stop charging and using the e-bike and contact after-sales service for assistance.
2. Please check the product nameplate sticker for how long it takes for the battery to be fully charged. In rare cases, the battery management system may take longer to balance the battery, especially for new or electric bicycles that have been stored for a long time.
3. Do not charge the battery for more than 1 hour at a time, and do not leave the battery being charged unattended. When using the charger, make sure the indicator light is facing up.
4. To maximize battery life, please charge once per month or after two days of cycling.
5. Please use the batteries, chargers, and cables provided by the seller and prevent the battery from overcharging.
6. Always charge in a dry indoor location away from direct sunlight, dust or debris. When parking or charging, charge away from open areas where you could trip over the charging cable or damage the bike, battery or charging equipment. Do not use the charger upside down, otherwise cooling will be inhibited and the life of the charger will be shortened.
7. Be sure to pull out the plug from the socket first and then pull the cable out from the e-bike.
8. Do not allow the charger or cable to contact sharp or hot items.
9. Please do not repair the battery, charger or cable independently. Please contact us if there is any problem.

# Display Button Introduction

- M** : 1. Power button, press and hold for about 2-3 seconds until the display lights up.  
2. Click the M key once to switch to view: total mileage, single mileage, voltage, current working current, and monitor boot time.
- +** : 1. Increase the gear.  
2. Press and hold the + button for about 2-3 seconds to turn on the headlights.
- : Downshift.



## Mode Introduction

**ASSIST MODE:** 1. Pedal like a normal bicycle, and the ASSIST assist system will intelligently determine the assisted riding ratio based on the cadence (RPM) (the speed is 3-5mph higher than the cadence), with a maximum speed of 19.8mph.

2. Select a gear to limit the maximum assist speed. The system will still activate the assist mode, but the maximum speed will be limited:

Gear 0: Turn off power assist mode and electric mode.

Gear A (Assist mode): Top speed 19.8mph.

Gear 1: Top speed 6.2mph.

Gear 2: Top speed 12.4mph.

Gear 3: Top speed 19.8mph.



**(If auxiliary riding is not required, please turn off the power or adjust the gear to 0)**

**ELECTRIC MODE:** After installing the accelerator, it is in full electric mode and no pedal is required.

Gear 0: Turn off power assist mode and electric mode.

Gear 1: 6.2mph.

Gear 2: 12.4mph.

Gear 3: 19.8mph.



**PEDAL MODE:** Turn off the power or adjust the gear to 0, it is just an ordinary bicycle.

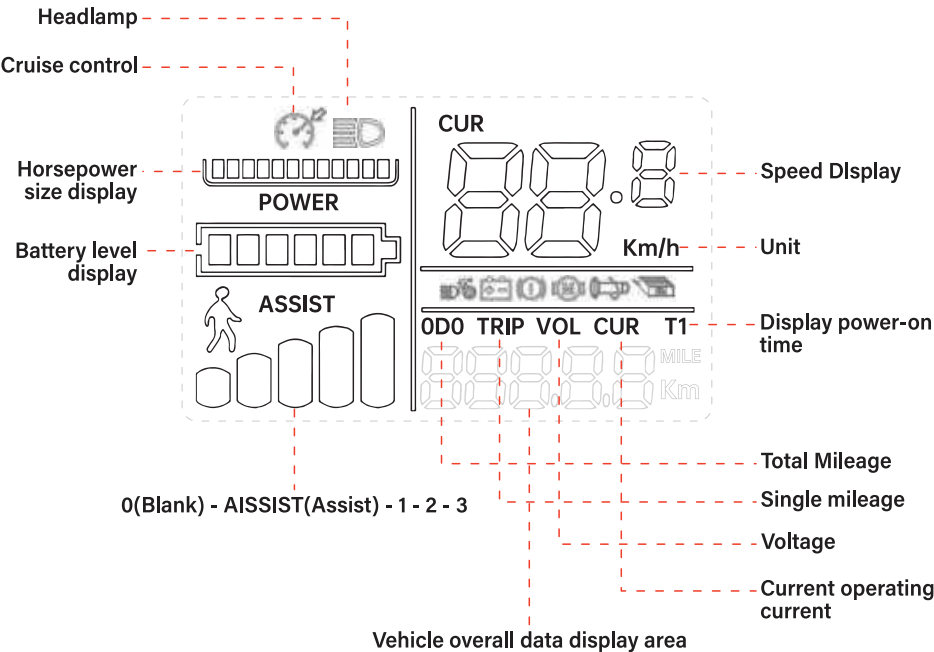
**CRUISE CONTROL:** Use the bicycle accelerator to maintain the speed for 10-15 seconds. After releasing the accelerator, the system will maintain the speed and continue to drive. If you want to stop cruise control, just squeeze the bicycle brake handle or the bicycle accelerator lightly. Do not hold the brake handle too hard;





**If you have other questions, please contact after-sales customer service:**




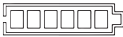





✉ : [support@avdlbike.com](mailto:support@avdlbike.com)

🌐 : [www.avdlbike.com](http://www.avdlbike.com)

# Screen details



| Fault display   |   |
|---|---|
|  | Battery undervoltage                    |
|  | Motor failure                           |
|  | Throttle failure                        |
|  | Controller failure                      |
| E001  | Controller failure                      |
| E002  | Display communication reception failure |
| E003  | Motor failure                           |
| E005  | Brake failure                           |

| Cruise control:   |   |
|---|---|
|    | Start the cruise control after maintaining the vehicle speed for 10-15 seconds. The icon lights up. Release the accelerator or pedal and the system will still maintain the vehicle speed and continue driving. To cancel the cruise control, press the brake or press the accelerator.                         |
| Headlights:   |   |
|    | Headlights: Press and hold the "+" key for 2-3 seconds to turn on the headlights, the icon lights up, and when the headlights are turned on or the brakes are applied, the taillights will also light up at the same time.  |
| Horsepower:   |   |
|    | Shows the power of speed while riding.  |
| Battery level:  |   |
|    | <p>When 5 bars are displayed, the battery level is 100%</p> <p>When 4 bars are displayed, the battery level is 80%</p> <p>When 3 bars are displayed, the battery level is 60%</p> <p>When 2 bars are displayed, the battery level is 40%</p> <p>When 1 bar is displayed, the battery level is 20%</p>           |
| Auxiliary cart:   |   |
|    | Press and hold the "-" button for 2-3 seconds to start, and the gear area icon will light up, which can assist pushing the cart when going uphill. However, it is not recommended to turn on this mode. Be careful when turning it on to be careful of the vehicle suddenly rushing forward and causing injury. |
| Speed:  |   |
|  | When using electric mode or assist mode, the current speed will be displayed.   |
| Cycling:  |   |
|  | The icon lights up while cycling.   |
| Braking:  |   |
|  | The icon lights up when braking.  |
| View data:  |   |
|  | Click the "M" button on the display once to switch to view the overall data, such as: total mileage, single mileage, voltage, current, fault code, power, etc.  |

# Daily Care and Maintenance

## Cleaning and Storage

If you see stains on the bike body, wipe them off with a damp cloth. If the stains won't scrub off, put on some toothpaste, and brush them with a tooth brush, then wipe them off with a damp cloth.

Notes: do not clean the bike with alcohol, gasoline, kerosene or other corrosive and volatile chemical solvents to prevent dire damage. Do not wash the bike with a high-pressure water spray. During cleaning, make sure that the bike is turned off, the charging cable is unplugged, and the rubber flap is closed as water leakage may result in electric shock or other major problems. When the bike is not in use, keep it indoors where it is dry and cool. Do not put it outdoors for a long time. Excessive sunlight, overheating and over cooling accelerate the battery pack's life span.

## Battery Maintenance

1. Use original battery packs, use of other models or brands may bring about safety issues;
2. Do not touch the contacts. Do not dismantle or puncture the casing. Keep the contacts away from metal objects to prevent short circuit which may result in battery damage or even injuries and deaths;
3. Use original power adapter to avoid potential damage or fire;
4. Mishandling of used batteries may do tremendous harm to the environment. To protect natural environment, please follow local regulations to properly dispose used batteries.
5. After every use, fully charge the battery to prolong its life span.

## Storage and Disposal

1. Please try to store the bike in a cool and dry place between 50 °F - 77 °F (10 °C - 25 °C). In extremely humid environments the interior of the bike may suffer condensation or even water accumulation, which may damage the battery rapidly. Devices are not intended for use at elevations greater than 2000m above sea level prolonged exposure to UV rays, rain and the elements may damage the enclosure materials store indoors when not in use.
2. In daily use, try to avoid recharging the bike after completely exhausting the battery. If the battery is low, charge it as soon as possible.
3. Please charge the bike every other month to preserve the battery.



# Recommended Service Intervals

Regular inspection and maintenance are key to ensure your bike performs as expected and to reduce wear on your systems. Recommended maintenance intervals are for guidance only. Actual wear and maintenance requirements will vary with use conditions. We generally recommend inspection, maintenance and necessary replacement at the time or mileage intervals shown in the table below.

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

# Troubleshooting

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

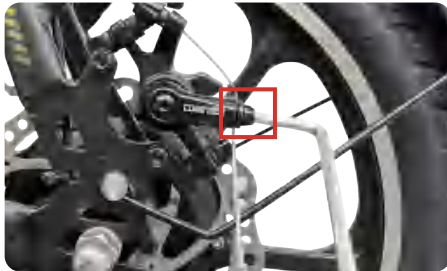
## Maintenance - Brakes



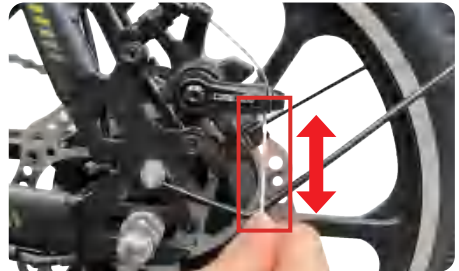
1. Use the knob on the brake handle to adjust the brake lever distance.



2. Correct brake lever distance.



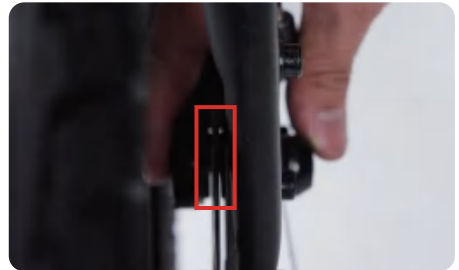
3. Use an Allen wrench to loosen the screws on the brake caliper.



4. If the brake is too sensitive, loosen the brake cable upwards. If the brake is not sensitive enough, pull the brake cable downwards. Then tighten the screws.



5. Loosen the two upper and lower fixing screws of the brake system.



6. Pinch the positioning caliper to ensure that the brake pad is located in the center of the caliper. The gap on the left and right sides must be equal, about 1 mm, and then tighten the screws.

Note: After the adjustment is completed, turn the wheel set and use the brake handle to test the braking effect. You can squeeze the brakes a few more times and observe the wheel reaction to adjust. If the brakes are still not adjusted properly, please find a professional repairman or contact after-sales customer service.

# Maintenance - Tire Pressure

Please check the reference value on the tire for the ideal pressure of the front and rear tires, and always stay within the recommended tire pressure range.

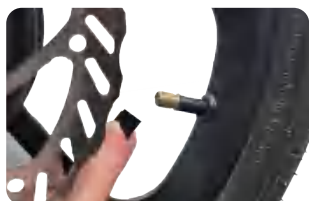
Step 1: Remove the dust cap from the end of the air valve. (Photo 1)

Step 2: Turn on the switch of the inflator and connect the end of the air pump/tire pump. (Photo 2)

Step 3: Press the switch to lock the valve and inflate the tire to the reference value.(Photo 3)

Step 4: Disconnect the inflator/tire pump.

Step 5: Screw the dust cap back onto the end of the air valve.



(Photo 1)



(Photo 2)



(Photo 3)

NOTE:It needs to be checked for correct inflation and condition before each use. Proper inflation, maintenance and timely replacement will help ensure that your bike's handling characteristics are maintained and avoid unsafe conditions. If your tire pressure is low, re-inflate the inner tube with a suitable inflator.

When you find that the tires are obviously worn or leaky, you must replace the tires or inner tubes before using your e-bike, otherwise it may cause injury to the driver or damage your e-bike.

When replacing a tire or tube, make sure all air pressure has been removed before removing it from the wheel hub, otherwise serious injury may result.

# Disposal at End of Life

The battery and power equipment must be disposed of according to local regulations. Please dispose of all relevant parts through the authorized processing facility. This product must not be disposed of by incineration, landfilling, or mixing with household trash.

Improper disposal of the battery contained within this product may result in the battery heating up, rupturing, or igniting which may cause serious injury. The substances contained inside the battery present chemical risks to the environment.

The recommended disposal for this product at its end-of-life is to dispose of the entire unit at or through an e-waste recycling center, program, or facility. Local regulations and laws pertaining to the recycling and disposal of lithium-ion batteries and/or products containing them will vary according to country, state, and local governments. You must check laws and regulations corresponding to where you live in order to properly dispose of the battery and/or unit. It is the user's responsibility to dispose of their waste equipment properly in accordance with local regulations and laws.

For additional information about where you should drop off your batteries and electrical or electronic waste, please contact your local or regional waste-management office, your household waste disposal service, or your point-of-sale.

## WEEE Directive & Product Disposal



At the end of the serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical equipment or returned to the supplier for disposal.

# Technical Specifications

| NAME                  | SPECIFICATION                          |
|-----------------------|--|
| Model                 | A02                                    |
| Packing size          | 40.35x8.86x21.65 inch (1025x225x550mm) |
| Product size          | 46.1x19.3x42.5 inch (1170x490x1080mm)  |
| Ground clearance      | 9 inches                               |
| Wheel size            | 14x2.125 inches                        |
| Frame material        | Carbon steel                           |
| Frame color           | White                                  |
| Package weight        | 24kg(52.91 lb)                         |
| Product weight        | 18.5kg(40.79 lb)                       |
| Max Load              | 120kg(264.55 lbs)                      |
| Max speed             | 19.88mph(32km/h)                       |
| Waterproof level      | IPX4                                   |
| Tire pressure         | 34PSI                                  |
| Motor & Battery       |  |
| PARAM ETRES           | STANDARD                               |
| Operating temperature | -10℃ – 45℃ (14℉ – 113℉)                |
| Battery               | 6.4Ah (230.4Wh)                        |
| Battery voltage       | 36V                                    |
| Basic motor power     | 250W/0.25kW                            |
| Charger voltage       | 42V                                    |
| Charging time         | 4H                                     |
| Braking system        | Front and rear disc brakes             |

Vibration estimate: The total value of the vibrations, to which the hands and arms are exposed, does not exceed 2.5 m/s2.

Remarks: The factors, including battery power capacity, load, tire pressure, road environment, chain and wheel axle lubrication, etc., will affect the maximum speed. The cruising distance indicated in this manual file is the test result from the riding test conducted uninterruptedly with load of 60kg, at the speed of 15-25km/h, and on the flat and hardened road surface, from full charge to full power consumption. Driving habits, temperature, load, tire pressure, road environment and other factors will affect the actual cruising distance.



## A VASTER WORLD

The manufacturer reserves the right to make changes to the product and manual, as well as the right to update and the final right of interpretation.  
Please contact [support@avdlbike.com](mailto:support@avdlbike.com) to provide the latest user manual and installation video.

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