TAUBIK



Model: AXIS Trike

User Manual

Safety Instructions

Thank you for choosing and purchasing our E-Bike.

For your riding safety, please read all the instructions before using the product. KEEP THESE INSTRUCTIONS.

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 or has broken insulation, or if there are any other signs of damage.

This equipment is not intended to be used at ambient temperatures less than 0°C or above ambient temperatures of 40°C.

The battery is intended to be charged when the ambient temperature is between 0°C and 40°C. Never charge the battery when ambient temperatures are outside this range.

The minimum rider age is 14.

1. Strictly abide by local laws and regulations and traffic laws. The company is not responsible for any consequences caused by violation of the above laws and regulations.
2. Strictly follow the instructions in the manual for corresponding operations. The company is not responsible for any consequences caused by improper use, speeding, overloading, etc.
3. Do not use this E-Bike to do stunts as it will increase the probability of injury and damage to the product. It is not intended for use at elevations greater than 2000 m above sea level.
4. Please always wear a helmet when riding an E-Bike.
5. Do not leave the battery near fire or heat sources.
6. Please regularly check whether the brake performance is good.
7. Please do not modify, repair or disassemble the product on your own.

Safety Instructions

8. Avoid using used, defective or aftermarket batteries.
9. People who should not ride the E-Bike include:
   - Anyone under the influence of alcohol or drugs.
   - Anyone who suffers from an illness that puts them at risk if they engage in strenuous physical activity.
   - Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.
   - Anyone whose weight is outside the stated limits (see Specifications).
   - Pregnant women.

Specifications

Model	AXIS Trike
Max. load	120 kg
Motor	SUTTON 48V500W HUB
Battery	Samsung 20Ah with BMS(21700 cell)
Fork	FAT34D TRAMA
Max. speed	32 km/h
Derailleur	Shimano Altus RD-M310-7-Speed
Max. distance	30 km - 35 km (Pure Power)
Max. distance	70 km - 100 km (Pedal assist)
Sensor	Torque Sensor
Frame	Aluminum Alloy
Brake type	Zoom Hydraulic brakes with cut-off
Tire size	Front: 24" x3" - Rear: 20" x3"
Tire pressure	Min: 5 P.S.I.; Max: 30 P.S.I.
Charger	48V3A UL approved
Charging time	6-8 hours
Net weight	58 KGS

Parts Diagrams



① Brakelight

④ Brake Lever

③ Seat with back

② Battery

⑤ Headlight



⑦ Rear rack

⑧ Suspension

⑥ Front Tire: 24″ x3″

⑨ Rear Tire: 20″ x3″

② LCD display

③ Rear brake lever and derailleur shifter



① Front brake lever (left)

④ LCD button control with turn signals

⑤ Handlebar

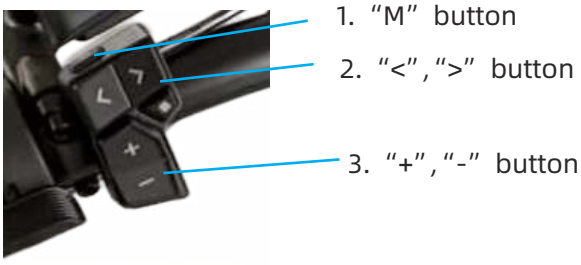
⑥ Thumb throttle

Display

Riding interface



Button functions



1	“M” button	Short Press to change infor on screen
2	“<” Left turn signal “>” Right turn signal	Short press “>” or “<” button to switch turn signal
3	Switch Speed/Power	Short press ‘M’ button
4	Walk (Pedestrian mode)	Long press “-” button
5	Turn on/off headlight	Long press “+” button for 1.5s

Error Codes

The display can warn of any bike faults. When faults are detected, the error code will be shown on the interface and blink at 1Hz. When an error code is shown, the button functions will not be affected and interfaces can be shown normally by pressing buttons. If no buttons are operated after 5s, the display will return to the error code interface.
The error code interface is shown below:

No.	Error description	Error code	Suggested operations
1	Normal	--	--
2	Over voltage	E10	Check battery voltage
3	Under voltage	E11	Check battery voltage
4	Motor staling	E12	Check motor
5	Over temperature	E13	Stop riding
6	Runaway Protection	E17	Check throttle
7	Torque sensor fault	E18	Check sensor
8	Speed sensor fault	E19	Check motor
9	Throttle under voltage	E20	Check throttle
10	Over current	E21	Check controller
11	Throttle over voltage	E22	Check throttle
12	Motor phase fault	E23	Check motor
13	Motor HALL anomaly	E24	Check motor
14	Brake anomaly	E25	Check brake
15	Low-voltage protection	E26	Charge battery
16	Communication fault between display and controller	E30	Check display, if ok check controller
17	Communication fault between display and battery	E31	Check display, if ok check battery

Charging Instructions





CAUTION

CHARGING THE BATTERY

- Ensure the E-Bike is turned off.
- Remove the battery pack from the battery dock.
- Ensure that the charging port is clean and dry.
- Make sure that there is no dust, debris or dirt inside the port.
- Plug the charger into a grounded wall outlet.
- The charging indicator light on the charger will be red.
- Connect the cable with the power supply (100~240VAC).
- Align and connect charging cable into the charging port of the battery pack.

FAILURE TO FOLLOW ANY OF THE FOLLOWING SAFETY PRECAUTIONS CAN AND MAY LEAD TO DAMAGE TO YOUR DEVICE, VOID YOUR MANUFACTURER WARRANTY, LEAD TO PROPERTY DAMAGE, CAUSE SERIOUS BODILY INJURY, AND LEAD TO DEATH.

Operating Conditions



Any component that doesn't work properly can cause you to lose control and fall. Inspect the entire e-bike thoroughly before every ride, and do not use it until all faults have been fixed. Unless otherwise specified in the user and maintenance manual, do not modify or attempt to repair the e-bike system.

Never ride your E-Bike with the kickstand down.

OPERATING YOUR E-BIKE

Make sure the battery pack is fully charged before the first initial use. Before turning on your E-Bike, sit on it like a standard bicycle to get comfortable with the device before using it with the motor.

GEARS

Your E-Bike is equipped with seven gears. The lowest gear (1) is for easier and uphill pedalling, and the highest gear (7) is for maximum speed on levelled or downhill terrain. Change gears only while pedalling.

Your E-Bike's rear wheel contains eight chain sprockets. When the chain is around the largest sprocket, you are in first gear (the lowest gear). When the chain is around the smallest sprocket, you are in eighth gear (the highest gear).

Troubleshooting

PROBLEM	POSSIBLE CAUSES	SOLUTION
Motor will not engage	1. Low battery 2. Battery loose or unplugged 3. Severed wire connection	1. Recharge battery 2. Make sure battery connections are secure 3. Contact customer support
Feels shaky when driving	1. Low tire pressure 2. Wheel is not securely fastened 3.Bearings in steering system are worn out	1. Inflate to 10 psi 2. Fasten wheels securely 3. Replace bearings
Mileage not being recorded correctly	1. Infrequently charged 2. Defective or worn-out battery pack 3. Cold temperature affecting battery performance worn out 4. Defective or incorrect charger damaged battery	1. Charge battery pack more often 2. Replace battery pack 3. Allow battery pack to reach room temperature and fully recharge it 4. Contact customer service
LCD Display not registering	1. Low battery 2. Display is broken 3. Bad battery cells 4. Faulty charger burns out display	1. Recharge battery pack 2. Replace display 3. Replace battery pack 4. Contact customer support
Brakes squealing	1. Dirty brake pad 2. Hard edges on new brakes 3. Brake pads are too tight	1. Clean the brake pad Squealing will stop the more you ride 2. Adjust brake pads to 1-2mm gap from wheel
Stiffness when steering	1. Dirty brake pad 2. Hard edges on new brakes 3. Brake pads are too tight	1. Clean steering system 2. Replace bearings

Installation Instructions

Getting Started

First, unpack your electric bike carefully and save all packing material. Be sure to locate your charger, pedals and any small parts like nuts or screws inside the shipping carton.

Sometimes small parts like nuts or screws may come loose during shipping so be sure and check the bottom of the carton and protective wrapping carefully. Keep your packing material until you are through assembling your bike and know that it is running properly. Sometimes small parts like nuts or screws may come loose during shipping so be sure and check the bottom of the carton and protective wrapping.

Assembly Instructions

This bicycle was fully assembled, inspected, and tuned at the factory and then partially disassembled for shipping.

Your bike arrives in the shipping carton about 75% assembled. To ship the bike, the pedals, seat, front wheel and sometimes the handlebar are loosened or removed.

To ensure your safety, please follow the proper tolerances listed below when tightening any of the fasteners.

Name of clamp bolts	Standard torque /N.m
Bolt for handlebar	6Nm
Handlebar stem and fork stem bolt	10Nm
Sunflower fixing bolt	10Nm
Saddle	15Nm
Front wheel	25Nm
Rear wheel	55-60Nm
Luggage carrier	8Nm

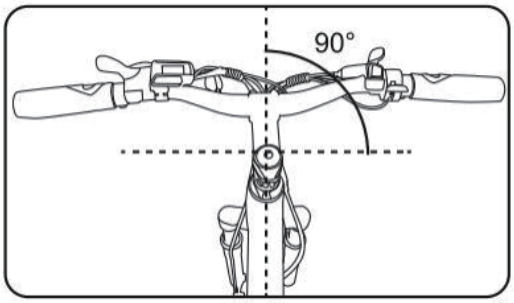
This manual will list all the steps required for the various models.

The following "basic" assembly instructions will assist in getting the bike ready to ride. If you have questions about your ability to assemble this product, please consult a qualified bicycle technician.

We recommend that two people work together to assemble the E-Bike.

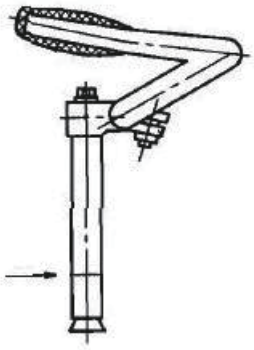
Installation Instructions

Attaching and adjusting the handlebar



Your handlebars have two main parts: the bar itself and the adjustable stem. If your bar has been removed for shipping, position the bar in the center of the stem and check, to be sure, that your grips are inthe right place and the angle of the bar is comfort-able. Tighten the screws clamp to hold the bar in place,ensuring all brake cables is clear.



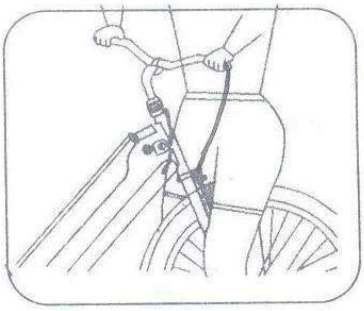


The stem must be inserted to the minimum depth or lower asindicated on the steer post to ensure the safety (see the picture). Tighten the stem screw located on the top of the handlebar stem.

You may adjust the handlebar stem height by loosening the Allen key screw located underneath the stem. Tighten the stem, adjusting screw securely after positioning the stem.

Installation Instructions

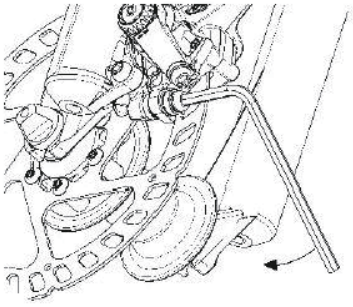
Check that the forks and the handlebars are facing forward and straight. Stand at the front of the handlebar put the front wheel in between your legs and hold the handlebar. Adjust the handlebar and the body of the bicycle to form an angle of 90°(see the picture).



Some models have a light console that attaches to thehandlebar. Attach this with the plastic brackets and screws provided.

Checking and adjusting the disc brake

The rear brake is operated with the right brake handle and the front brake is operated with the left brake handle normally.



Always check that both your front and rear brakes are-properly adjusted before riding your bike.

Squeeze your brake lever together and slip the cable into thecable housing. You may need to adjust the cable length byloosening the nut and sliding the cable through to the properposition. Retighten the nut to hold the proper position.

Adjust the brake pads on either side by using an Allen wrench so that they make contact on the metal wheel rim and not the tire. Be sure they are straight, and the distance is 1-1.5mm between the rim and the two brake pads.

The pads will be close when adjusted properly.

There are some small adjusting screws on the sides of the brake pad levers that can be used to adjust the distance of each side. If the distance of the two brake pads to the rim is different, adjust the spring adjustment screw on the brake arm of the fixed mount till the distance of the two sides is the same, making sure that it can brake efficiently. If the brake pad is damaged severely, please replace it immediately to ensure the brake works efficiently.

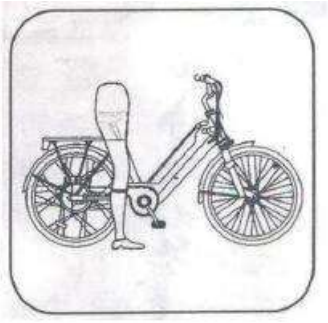
Installation Instructions

Adjusting the saddle



Your saddle height is adjusted by a quick release. Pull the quick release lever, insert your saddle post to at least the minimum insertion line marked on the post. Tighten the adjusting nut by quick release lever, then push the quick release lever to the closed position.

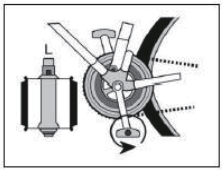
The saddle angle is adjusted with the nuts that attach the seat to the saddle rail. Ensure that the nuts are tightened firmly and that the seat does not move forward or back while you are sitting on it. When you sit on the saddle to tread on the pedal flatly by heel, when the pedal is at the lowest position, legs slightly stretched, it is the most suitable height at this point. If you can tread on the pedal only by toes or your legs can't stretch slightly, you will experience fatigue and sports injury, so you need to carefully adjust the height of the saddle post.



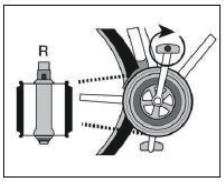
Loosen the hand release of the seat post, take out the seat post, adjust the screw, take the seat post back to the frame tube as former station, and tighten the clamp of the seat position.

Attaching the pedals

Pedals are marked "L" and "R" on the axle end. Screw the pedal marked "L" into the left side of crank and "R" to the right.



(1) The right pedal attaches to the chain-side crank arm with a clockwise thread.(2) The left pedal attaches to the other arm and has a left-hand (counterclockwise) thread.



Check your pedals before each ride to ensure that they are tight. If you ride your bike with loose pedals, you may strip the threads that hold the pedal to the crank.



Attaching the front wheel

Slip the wheel into the forks. Slip on the safety catches and then the nuts on both sides. Spin the wheel and check whether it's straight. If your bicycle is fitted with quick release axles, make sure locking levers are correctly tensioned and in the closed position.

Installation Instructions

Operating your E-Bike

Your E-Bike is driven by a motor embedded in the hub of the rear wheel. The motor is powered by a battery. The power can also be driven directly by throttle or pedalling. When pedalling, the amount of power delivered to the motor, and hence the accelerating force on the E-Bike, is controlled by you in a way according to the power-assisted mode you choose.

Electric assisted mode

You must turn on the battery to use the E-Bike in electric assisted mode.

In the electric assisted mode, power assist is triggered when you pedal forward, and power assist stops when you stop pedalling. In other words, power assist happens as long as you pedal. You don’t need to pedal hard. All you need is to apply a light force to the pedals continuously to maintain the current flow. When you apply one of the brakes, the power-assist function will automatically stop, allowing the E-Bike to slow down and stop. The power assist mode will turn itself off when the E-Bike has reached the maximum speed of 32km/h.

Throttle Mode:

If you don't want to use pedal power, you can also use the throttle to control the speed. The maximum speed of this E-Bike is 32km/h.

Installation Instructions



1. Turn right to unlock the battery.



2. Pull out the battery.



3. Turn left to lock the battery.

Installation Instructions

NEVER PLUG A POWER CORD FROM A WALL OUTLET DIRECTLY INTO THE BATTERY! YOU MUST USE YOUR CHARGER!

Charger & Battery Usage Details

The light on the charger will be red while charging and turn green when charging is finished. When the charger's light turns green, keep on charging the battery for one to two hours to ensure that the battery has a longer usage life, then unplug your charger from the battery and the wall.

Always charge your battery before it gets too low. If you let your pack run completely dead, it may not recharge. It's a good idea to turn the key to the position OFF and remove your key after any ride so that it will not be left on accidentally.

To unlock the pack, push the key in slightly and turn to the left. It can then be removed. Push in and turn right to lock it on.

The red button on top of the pack shows the power level when pushed. The first light only comes on when the battery is too low to run the bike. The next lights indicate low, medium, and full. The lights on the handlebar also show the level.

Remember: The sooner you charge after riding, the longer your pack will last.

The lithium battery is built with circuitry that prohibits overcharging and excessive discharging.

Battery Charger Specifics

The battery charger is designed specifically for the bike; connecting the battery to any other charger will void the warranty.

It's important for the customer to follow the instructions on the battery charger label.

Installation Instructions

Display functions

There are five pedal assist levels (1 to 5).





Display Operation

Long press the “ M button” on the display to switch on the LCD, and press the “+” and “-” buttons to change assist levels. Short press the “M” button to change the info on the screen.

Best Practices

Please observe the traffic regulations.

Keep both your hands on the handlebars so that you’re ready to brake while riding.

Always charge your battery after riding.

Don’t run your battery dead or extremely low. If you do, charge as soon as you can.

Remember to turn off the key when you stop.

Always remove the key when you are done riding. If left on, the battery will slowly drain.

Installation Instructions

Information on the Rear Rack

1. The rated loading capacity for the rear rack is 25kg. Do not overload. The maximum tire size that would fit the rear rack is 66cm.

2. If there is no rear rack on the electric bicycle, do not install one by yourself.

3. The rear rack cannot pull a trailer.

4. When items are put on the rear rack, the reflector or the lights should not be blocked. Items should be put on the two sides of the rear rack evenly.

5. Consumers are not allowed to modify rear racks by themselves.

6. Consumers need to understand that once the rear rack is loaded, it will affect the overall handling of the bicycle.

7. Consumers should make sure when the rear carrier is loaded, it must be done in accordance with the manufacturer's instructions. There is no belt and the rope is rolled into the wheel.

8. Only objects can be put on the rear carrier.

9. The rear rack is not suitable for a child seat.

Installation Instructions

The Match of the Electric Bicycle and People



USER MAINTENANCE INSTRUCTIONS

Adjustments and Maintenance

Your E-Bike is designed to be used on a regular road by a single person. Using your E-Bike for extreme maneuvers, such as extreme off-road use, jumping or carrying excessive load will damage the E-Bike and could cause serious injury.

Do not use high-pressure water streams to clean your E-Bike as water might seep inside the motor or the wiring compartment and cause rusting of electric parts or short circuits. Please use damp cloth with neutral detergent to clean the bike body. Do not use alkali-based or acid-based detergent, such as rust cleaners as it may result in damage or failure of the bike body.

Avoid parking your E-Bike outside when it's raining or snowing. At the end of a ride when it was raining or snowing, bring the E-Bike inside and use a clean, dry towel to remove any water.

During daily use, keep the controller clean and dry. Keep it away from water, vibration and contamination, otherwise the controller may be damaged.

Prolonged exposure to UV rays, rain and the elements may damage the materials. Store indoors when not in use.

Warning!

Do not over-lubricate. If oil gets on the wheel rims or the brake shoes, it will reduce brake performance and it will take longer for the bike to stop. Injury to the rider or to others can occur.Leave the bike indoors when charging or not riding.

The chain can throw excess oil onto the wheel rim. Wipe excess oil off the chain. Keep all oil off the surfaces of the pedals where your feet rest.

Installation Instructions

Pedal	Every six months	Put four drops of oil where the catch pedal axle goes into the pedal.
Chain	Every six months	Put one drop of oil on each roller of the chain.
B.B.	Every six months	For complex maintenance, contact a professional technician.
Motor	Every year	For complex maintenance, contact a professional technician.

Using a light machine oil (20W).

MOVING AND STORAGE INSTRUCTIONS

1. Please charge the battery for 6 to 10 hours after 50% to 70% of its energy is consumed—this will extend battery life. Fully charge the battery pack after each long-distance ride. Do not charge the battery for an extended period (i.e., over 10 hours), as this may cause overheating.

2. Recharge the battery once a month during storage.

3. Charging temperature range: 0℃ to 40℃.

4. The battery pack may not reach a full charge in extremely low or high temperatures. A slight temperature rise during charging is normal (as long as it stays below 40℃). If the charger indicator does not show a full charge, or if the battery becomes very hot (exceeding 40℃), return it to the seller for maintenance immediately.

5. Do not let the charger bounce around in the rear box (if equipped). Store the charger away from water, and minimize impact or extreme vibration when moving the battery.

6. Each battery pack is paired with a specially designed charger—do not use other charger types, as this may burn out the battery and cause danger.

7. Battery storage conditions: Keep clean, cool, dry, and well-ventilated (temperature 0℃ to 40℃). Avoid solarization, fire, waterlogging, or contact with corrosive substances during shipping or storage.

8. If the battery has an on/off switch, ensure it is in the off position when charging.

9. Ensure there is no short-circuit in the wall socket, as this may burn out the battery and cause danger.

10. Do not pull out the power key while riding at high speed.

Installation Instructions

FCC STATEMENT:

This device complies with part 15 of the FCC Rules.Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and(2) this device must accept any interference received, inclu ding interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

- This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

INDUSTRY CANADA STATEMENT:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation of the device.In additional, this device complies with ICES-003 of the Industry Canada (IC) Rules.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Industry Canada licence-exempt RSS standard(s). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment.This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Installation Instructions

The above table is only meant to act as a guide to help you figure out any problems you may have with your EBIKE.If you are unable to get your EBIKE to operate properly, please return to the local servicing dealer that you purchased from.

info@taubik.com