BICYCLE ASSEMBLY

INSTRUCTIONS

WARNING

Universal version manual: Pictures and accessories in the manual may be somewhat different from the actual unit you purchase.

BICYCLE OVERVIEW

INTRODUCTION

CONGRATULATIONS ON PURCHASING YOUR BRAND NEW BICYCLE!

Your bicycle comes to you requiring some assembly. This guide has been written to help you through the steps necessary to complete the assembly of your bike.

THESE INSTRUCTIONS WILL GUIDE YOU THROUGH:

- **Inspecting the bike**
- **Installing the handlebars**
- **Installing your pedals**
- **Battery Protection**
- **Attaching the reflectors**
- **Unpacking the bike**
- **Installing the front wheel**
- **Installing the saddle and seat post**
- **Bike riding operation**
- **Display Operation**

VERY IMPORTANT

WARNING

IN THE INTEREST OF SAFETY IT IS RECOMMENDED THAT YOU HAVE THIS BICYCLE ASSEMBLED BY A SKILLED BICYCLE MECHANIC.

These instructions are to be used as a guide only;
the images used throughout are for demonstration purposes only and may not be images of your specific bike.

BEFORE YOU START

UNPACKING THE BIKE

Loosen the screw on the stem, and rotate it 180° so that it orients forward.

INSTALLING THE HANDLEBARS

STEP 1

Remove the 4 screws on the stem, take off the stem plate, mount the handlebar to the stem (make sure all the cables are put properlly), hand tighten the bolts to secure the faceplate,

STEP 2

Center the bar, use the white mark as a guide. Ensure there is an equal amount of mark on both sides of the stem, Once centered, use your Allen wrench to slightly tighten the faceplate down.

WARNING

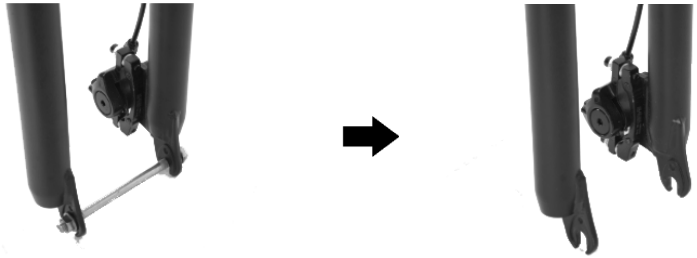
VERY IMPORTANT

THE FORK MUST BE PUT IN CORRECT POSITION

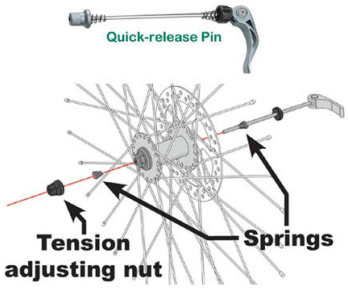
The fork arch should be facing forward before assemble the handlebar.

INSTALLING THE FRONT WHEEL

NUTTED FRONT WHEELS



1. Remove the fork protection screw (Protection purpose only, no longer needed)



2. Attach the front wheel to the fork and insert the quick release lever through the wheel axle.

3. Lock the quick release lever

INSTALLING YOUR PEDALS

ALL BIKE MODELS

VERY IMPORTANT

WARNING: INCORRECT ATTACHMENT OF THE PEDAL into the crank arm can strip the thread from the pedal spindle, or threads in the crank arm, and cause irreparable damage. Incorrect assembly is not covered under warranty.

STEP 1

Identify Left vs Right pedal. There is an **"L"** or **"R"** stamped into the metal part of the pedal near the threaded part **or on the spindle of the pedals** . **NOTE: they are not the same!**

IMPORTANT NOTE

If you were to sit on the bike and hold the handlebars, your "left" foot is on the same side as the "left" pedal.

INSTALLING YOUR PEDALS

STEP 2

Install the left hand pedal first. You will have to screw it in **COUNTER-CLOCKWISE** because the threading is the reverse of a normal screw.

DO NOT USE A SPANNER until you are ready to tighten it for the final few turns. Tighten it by hand first until you **can't anymore.**

Then tighten the pedal with spanner until you **can't anymore**. If you feel you do not have enough hand strength you can slide a pipe over the wrench to extend the lever and get more force.

If the pedals are not fully tightened, they may get loose and damage the threads, it is NOT covered by your warranty.

INSTALLING YOUR PEDALS

STEP 3

Install the right hand pedal . You will have to screw it in **CLOCKWISE** like a normal screw.

DO NOT USE A SPANNER until you are ready to tighten it for the final few turns. Tighten it by hand first until you **can't anymore.**

Then tighten the pedal with spanner until you **can't anymore**. If you feel you do not have enough hand strength you can slide a pipe over the wrench to extend the lever and get more force.

If the pedals are not fully tightened, they may get loose and damage the threads, it is NOT covered by your warranty.

INSTALLING THE SEAT POST

ATTACHING THE SEATPOST

Depending on your bicycle's design, this process may differ.

WARNING

VERY IMPORTANT

Make sure the **MINIMUM INSERTION LINE** on the post is below the top of the seat tube, so that it is not visible. Failure to do so will damage the seat tube, void the warranty, and worsely you might get hurt.

STEP 1

Insert the seat post into the frame. There is a minimum insertion marked on the seat post. This must be situated below the seat post clamp when riding to avoid accidents and damage.

STEP 2

Press the seat post lever and lock it tightly as shown.

INSTALLING THE BATTERY

STEP 1

The charging plug is on the battery body, plug the charger into the battery body. you will see the red light go ON.

STEP 2

When the indicator is red,it is charging normally
When the indicator is green,the battery is charged fully.

Install Headlight

STEP 1

Fix the front head light onto front carrier and tighten the screw.

ATTACHING THE REFLECTORS

Install front and rear reflectors as shown below:

1. Front Reflector

Front reflector goes on the handlebar

2. Rear Reflector

Rear reflector goes on the stem below the seat. Don't place the rear reflector too high, or its reflection might be blocked by the seat or the bottom of your shirt.

BIKE RIDDING OPERATION

BATTERY PROTECTION

For maximizing the life of your battery and protection, please read the following instructions in this guide.

▲ Charging the battery 100% fully (no less than 6 hours) at first time for the new e-bike before ridding.
▲ Even with proper care, rechargeable batteries do not last forever. Every time the battery is discharged and subsequently recharged, its relative capacity decreases by a small percentage.

▲ Li-LON recommended charging time:5-6 hours
▲ For a complete100% charging, leave the battery on the charger for one full hour after the charger indicator light turns green.

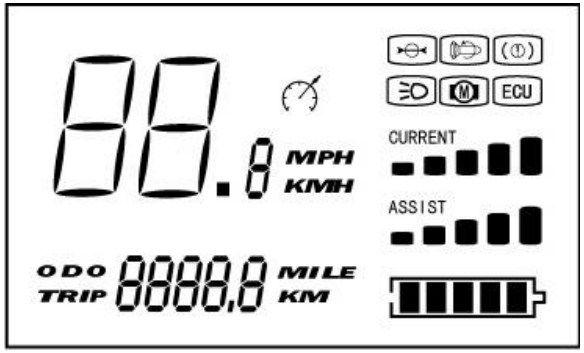
▲ Never charge batteries for longer than 24 hours.
▲ Li-ion batteries do not have a "memory." Partial discharge/charge cycles will not harm the batteries capacity or performance.
▲ Any variation in this temperature will alter the performance of the battery, and shorten its expected life. High temperatures especially reduce overall battery life & running time.
▲ Always be sure to turn the bike power switch to “OFF” after each use. If you leave the power switch on the “ON” position, or your product has not been charged for a long period of time, the battery may reach a stage at which they will no longer hold a charge.
▲ Ideally, when storing the battery for a long period, ensure it has a charge between about 80% and 40% of a full charge, and charge it every 35-45 days. Discharging to 0% is harmful to the lifespan of the battery.

Battery Charging

Plug the charger into the battery body, you will see the red light goes ON.

When the indicator is red, it is charging normally. When the indicator is green, the battery is charged fully.

DISPLAY



DISPLAY

Display	Function	Description
88.8 MPH KMH	Speed	Display real-time speed in KM/H or MP/H.
ODO TRIP 8888.8 MILE KM	ODO/TRIP	ODO for accumulative total mileage. TRIP for single mileage. Use function key to switch.
	Battery Indicator	Display current battery level.
	Wheel Diameter Setting	Setup the diameter of the wheel.
	Throttle Fault	Throttle abnormality.
	Brake Instruction	Display when using the brake. If the icon appears while not using brake, it means brake fault.
	Light Instruction	The backlight is on.
	Motor Fault	Motor hall abnormality.
ECU	Controller Fault	Controller abnormality.
CURRENT	Current Level	Display real-time current value
ASSIST	PAS(Pedal Assist System) Level	Display 1-5 gear of PAS power.

DISPLAY

Key	Operation	Display	Function	Description
	Single Press		ON	Press the button once to turn on the display. All icons on the screen appear.
	Single Press		ON/OFF switch of background light and headlight	After turnning on the display, press this button to turn on/ off the background light and headlight.
	Double Press	ODO TRIP 8888.8 MILE KM	Reset TRIP mileage	Double press the button to reset TRIP mileage.
	Long Press /Hold		OFF	Long press the button to turn off the display.
	Single Press	ASSIST	Increase PAS Level	Each press increases the PAS level by 1 gear.
	Double Press	ODO TRIP 8888.8 MILE KM	ODO/TRIP mileage switch	Double press to switch from TRIP to ODO mileage display.
	Long Press /Hold	ODO TRIP 8888.8 MILE KM	Reset ODO mileage	Long press for 2 seconds to reset ODO mileage.

DISPLAY

Key	Operation	Display	Function	Description
	Single Press	ASSIST	Decrease PAS Level	Each press reduces the PAS level by 1 gear.
	Double Press	ODO TRIP 8888.8 MILE KM	TRIP/ODO mileage switch	Double press to switch from ODO to TRIP mileage.
	Long Press /Hold	6.0 KMH	6KM/H	Long press the button to enter walk mode. The bike goes at 6km/h so you can walk the bike with ease.
Setting Function 1（Wheel Diameter Setting）				
	Long Press the two buttons		Set the wheel diameter	Refer to the following description

Long press the 2 buttons circled at the same time for 5 seconds to enter the wheel diameter settings. The default wheel diameter flashes in the speed display area (number between 16-28 inch), and the icon appears in the upper right corner. Now you have entered wheel diameter setting.

Release the two buttons, and then press "up" or "down" key to adjust to the required value of the wheel diameter (adjustable between 16-28 inch), and then long press the 2 buttons circled in red for 5 seconds until the number in speed display area turns to zero and stop flashing, and the icon in the upper right corner of the display disappears.

Now the wheel diameter is set successfully.

DISPLAY

Key	Operation	Display	Function	Description
Setting Function 2 (Speed Limitation)				
	Long Press two buttons	25.0 KMH	Set Speed Limitation	Refer to the following description

Long press the 2 buttons circled at the same time for 5 seconds to enter the speed limit setting. The default speed limit value flashes in the speed display area.

Release the two buttons, and then press "up" or "down" button to adjust to the required speed limit (adjustable between20-29 and at 60), then long press the 2 buttons circled for 5 seconds until the number in speed display area turns to zero and stop flashing.

Number between 20-29 means the corresponding speed limit. 60 means no speed limit.

Setting Function 3 (Rated Voltage Setting)				
	Long Press three buttons	36.	Rated voltage setting	Refer to the following description

Long press the 3 buttons circled at the same time for 5 seconds to enter the rated voltage setting. The default ratd voltage value flashes in the speed display area.

Release the three buttons, and then press "up" or "down" button to adjust to the required voltage (adjustable to 24,36,48). Long press power button to turn off the display, and then turn it on again, Now the rated voltage is set.

Setting Function 4 (KMH/MPH)				
	Long Press two buttons	88.8 KMH ⟺ 88.8 MPH ODO TRIP 8888.8 KM ⟺ ODO TRIP 8888.8 MILE	KMH/MPH Unit Switch	Refer to the following description

Long press the 2 buttons circled at the same time for 5 seconds to switch from "KMH,KM" to "MPH,MILE" or from "MPH,MILE" to "KMH,KM". Release the buttons to save the value.

1. Conditions for Riding this Electric Bicycle

This electric bicycle is designed for riding on a road or a paved surface where the tires do not lose ground contact, and this electric bicycle must be under proper maintained according to the instruction of this manual.

Warning: You are warned that you take the consequences such as personal injury, damage, or losses if you breach the above conditions and in the meanwhile, the warranty will be void automatically.

2. Safe Cycling and Safety Tips

2.1 Checking Points Before Riding

Before you ride your electric bicycle at any time, make sure it is in a safe operating condition. Particular check the following items:

- ▲ Electric bicycles nuts, bolts, quick-release and parts are fastened tight and no worn or damage;
- ▲ Riding position is comfortable;
- ▲ Steering is free with no excessive play;
- ▲ Wheels run true and hub bearings are correctly adjusted;
- ▲ Wheels are properly secured and locked to frame/fork;
- ▲ Tires are in good condition and inflated to correct pressure;
- ▲ Pedals are securely tightened to pedal cranks;
- ▲ Gears are correctly adjusted;
- ▲ All reflectors are in position.

After you have made any adjustment to your electric bicycle, check that all nuts and bolts are securely tightened and cables are free from kinks and fixed securely to the electric bicycles frame. Every six months, your electric bicycle should be professionally checked to ensure that it is in correct and safe working order. It is the responsibility of the rider to ensure all parts are in working order prior to riding this electric bicycle.

2.2 Do Not When Riding

- ▲ Do not ride without wearing an approved helmet, which must meet European/USA standard or the same effect (comply with the law, rule or regulations in your local area);

- ▲ Do not ride on the same side of road as oncoming traffic;
- ▲ Do not carry a passenger unless the cycle is equipped to do so;
- ▲ Do not hang items over the handlebars to impede steering or catch in the front wheel;
- ▲ Do not hold on to another vehicle with another hand;
- ▲ Do not ride too close to another vehicle.

Warning of Wet Weather Riding

No brakes work as well under wet or icy conditions as they do under dry conditions. The braking distance in wet weather would be longer than those in dry, and you should take special precautions to assure safe stopping. Ride slower than normal and apply your brakes well in advance of anticipated stops.

Warning of Night Riding

we recommend you minimize the times you ride after dark. If you have to be out on your electric bicycle at night, you must comply with the relative law, rule or regulations in your local area, using a headlight(white) and taillight(red) on your electric bicycle in addition to the all-around reflectors fitted. For more safety, wear light colored clothing with reflective stripes. Check that the reflectors are firmly secured in the correct position and clean and not obscured. Damaged reflectors must be replaced immediately.

3. Routine Maintenance Check and Lubrication

Warning

As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.

Warning

It is important to use only genuine replacement parts for several safety-critical components.