



Operation and
Maintenance Manual

VITILAN U3 EBIKE

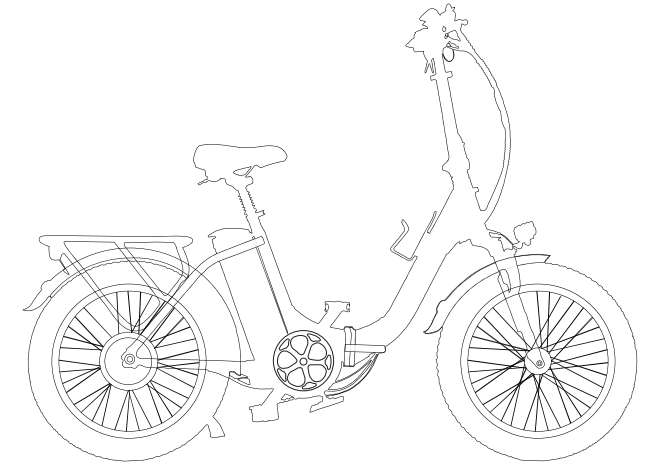
www.vitilanebike.com

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PLEASE NOTE:

This manual is not intended as a detailed user, service, repair or maintenance manual. Please seek assistance from a qualified technician for service, repairs or maintenance.



IMPORTANCE

When using the electric bicycle, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. To protect against fire, electric shock and injury to persons, do not immerse cords, plugs, or e-bikes in water or other liquid.
3. Close supervision is necessary when the e-bike is used by or near children.
4. Unplug from the outlet when not in charging and before cleaning.
5. Do not operate the e-bike with a damaged cord or plug or after the e-bike malfunctions, or has been damaged in any manner. Take the e-bike to the nearest authorized service bike shop for examination, repair or adjustment.
6. The use of accessory attachments not recommended by the e-bike manufacturer may result in fire, electric shock or injury to persons.
7. Do not use when using on a rainy or snowy day.
8. Do not let the cord hang over the edge of the table or counter, or touch hot surfaces.
9. Do not place on or near a hot gas or electric burner, or a heated oven.
10. Always attach the plug to the battery first, then plug the cord into the wall outlet.
11. Do not use the bike for other than intended use.
12. Save these instructions.

***Note that this is a general manual. VITILAN reserves the right to make changes to products and designs. The e-bike you own may not be the same style as the pictures shown in this manual.**



SPECIFICATIONS

MODEL: U3

Frame Construction: Aluminum alloy

Gear Range: 7-Speed, 14-28T

Tire Size: 20" * 3.0"

Climb Grade: 30 degree

Max load: 150KG (330lbs)

Max Speed: 28mph [Actual speed depends on road conditions, weather and rider weight)

Power: 750W Rated power.

Battery Capacity: 48V 13Ah li-ion battery

Battery Charger: Us Standard 54.6V 2.0A Charger, Voltage 110-240V

Battery Operational Temperature: 0° to 40° Celsius (32° to 104° Fahrenheit)

Battery Life: Approximately 500-800 complete charge/discharge cycles

Seat tube: 27.2*350MM aluminum alloy flip shock-absorbing seatpost



READ THIS FIRST:

Safety and Compliance
with the Law

Congratulations on your purchase of your new e-bike. Your new e-bike is an excellent piece of personal transportation equipment that will give you good service for many years.

Before you start using your e-bike, we want you to be aware of a few important points. Please read this section carefully.

★ OBSERVE LAWS REGARDING THE USE OF BATTERY-OPERATED BICYCLES

Your e-bike is designed and manufactured to meet safety requirements as a battery-operated bicycle. However, state and local laws governing the use to battery-operated bicycles on public roadways, parks, and other open areas may differ. Please check with your local authority before using your e-bike in public areas.

★ OBSERVE LAWS REGARDING THE USE OF BICYCLES

Note that all laws regarding the use of bicycles in public areas, such as those mandating the use of helmets and the use of infant seats, will automatically apply to e-bikes. Check with your local authority on what restrictions might apply.

★ THE LITHIUM-ION BATTERY OF YOUR E-BIKE

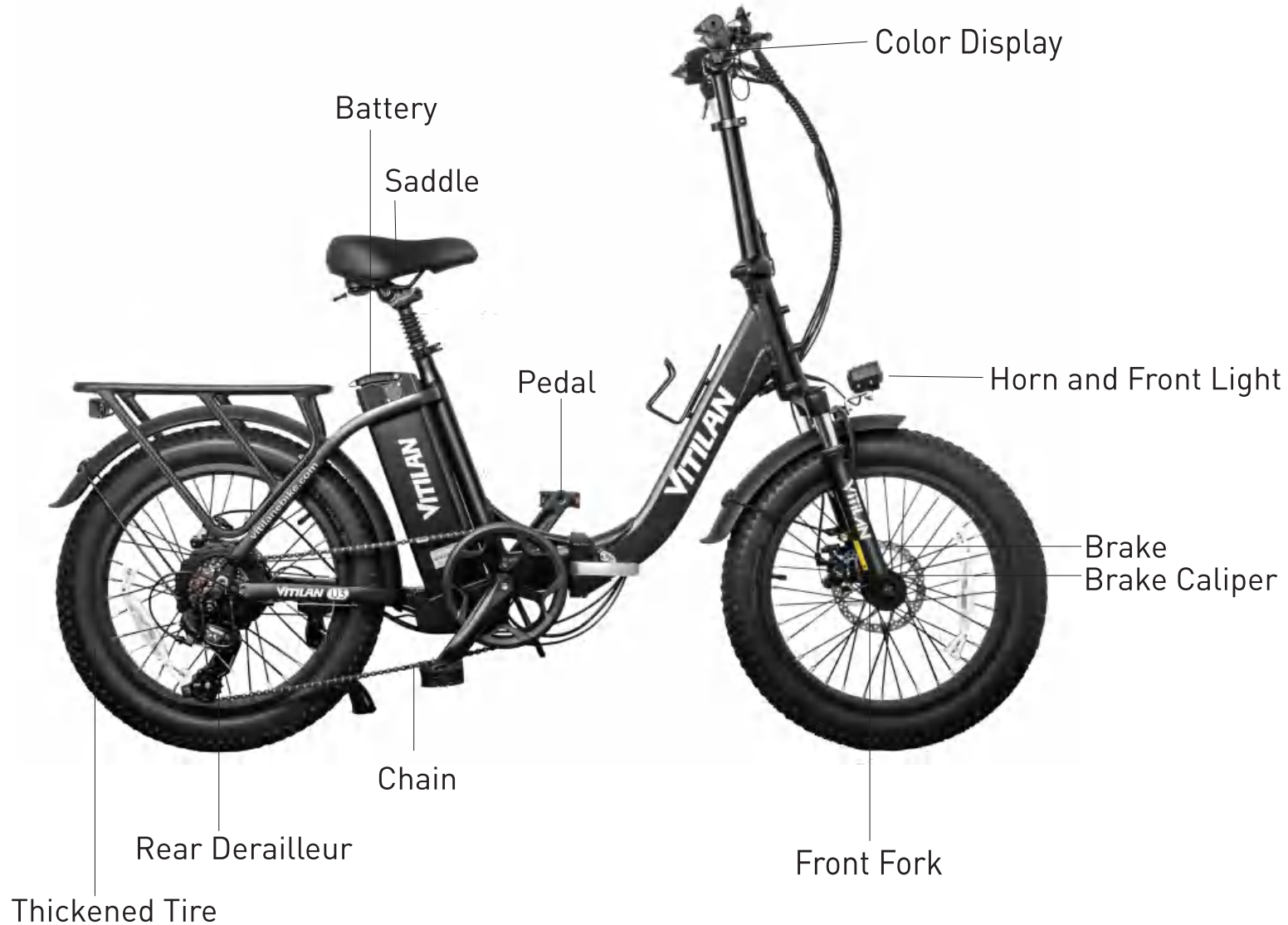
Your e-bike is equipped with the latest battery technology. The lithium-ion battery is much lighter than lead- or nickel-based batteries that are being used in some older models.

★ YOUR FIRST RIDE

Please be VERY CAREFUL when you are ready to get on your e-bike for the first time because that the e-bike moves significantly faster than a regular bicycle in active power-assisted mode. Take your e-bike to an area with a lot of open space before you start. Do not start pedaling hard as soon as you get on the e-bike (as you normally would be with a regular bicycle), as the e-bike will accelerate under pedal-assist mode and you may be unprepared for the sudden increase in speed. However, after a few times, you will enjoy using the pedal-assisted function.

EBIKE MODEL

★ U3 Model



ASSEMBLY

★ Kickstand Installation Instruction



Step 1: Finding out the kickstand and 2 bolts and spacers in the box, install the kickstand on the frame mounting hole by the bolts and spacers.



Step 2: Tightening the bolts separately with a 5mm hexagonal tool.

ASSEMBLY

★ Front Fender and Headlight Installation



Step 1: Finding the headlight, bolt, spacer, align them together, and let the bolts pass through the headlight mounting holes, spacer, and front fender hole correctly.



Step 2: Adjusting the headlight to the center position, and use a 5mm hexagonal tool to gradually tighten the nut to fasten the headlight.



Step 3: Using bolts to install the left and right brackets of the front fender on the front fork to fasten the front fender.



Step 4: Aligning the arrow icon on the headlight connector and connect the headlight connector to the cable connector at the another end.

ASSEMBLY

★ Brake Rotor Installation Instruction



Step 1: Putting the brake rotor on the front wheel axle.



Step 2: Aligning the 6 holes on the brake rotor with the 6 corresponding holes on the axle.



Step 3: Finding out 6 brake screws and put them into the brake mounting holes.



Step 4: Tightening the screws with a 4mm hexagonal tool.

ASSEMBLY

★ Front wheel installation Instruction



Step 1: Aligning the front wheel and the front axle, then insert the front fork on the front axle.



Step 2: installing the front fork hook, align it with the corresponding position, and insert the front fork hooks on the left and right axles firstly and separately.



Step 3: Putting the nuts on the left and right axles correspondingly.



Step 4: Using a 15mm wrench to rotate clockwise to tighten the nuts on the left and right axles.

ASSEMBLY

★ Folding Stem Installation Instruction



fining out the folding stem.

1



Step 1: inserting the folding stem into the tube of the e-bike, lock the latch of the folded stem, and then unfold the folded part of the stem.

2



Step 2: aligning the stem angle, tighten the middle bolt clockwise with a 6mm hexagonal tool, and then lock the latch.

3



Step 3: If the handlebar angle is a little misaligned, use two legs hold the front wheel, and then use hands to bend the handlebar to align with the front wheel.

ASSEMBLY

★ Seat Post Installation Instruction



Step 1: unlocking the buckle and inserting the seat post into the seat tube.



Step 2: Adjusting the bolt on the buckle 1-2 times to tighten the buckle slightly.



Step 3: Locking the buckle to fasten the seat post on the e-bike.

ASSEMBLY

★ Rear Derailleur Guard Installation Instruction



Step 1: fining out the rear derailleur guard.



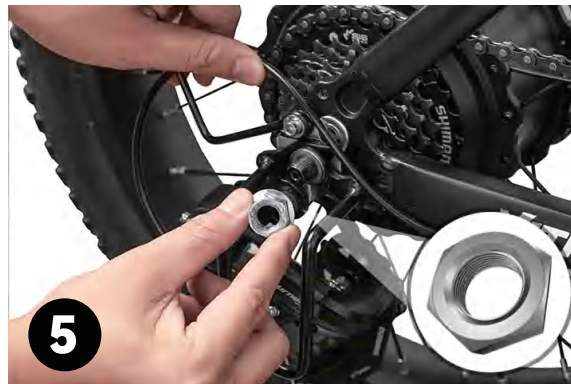
Step 2: Using an 18mm wrench to turn counterclockwise several times to loosen the bolt, loosen the spacer and bolt.



Step 3: putting the rear derailleur guard on the rear wheel axle.



Step 4: Installing the spacer on the axle.



Step 5: Putting the bolt on the axle.



Step 6: Using an 18mm wrench to fasten bolt several times clockwise.

ASSEMBLY

★ Pedal Installation Instruction



Step 1: Finding out the right pedal with the letter "R", then align the pedal axle with the hole on the right crank, and firstly use your hands to correctly screw the pedal into the hole clockwise.



Step 2. Using a 15mm wrench to tighten the right pedal clockwise.



Step 3: finding the left pedal with the letter "L" letter, then align the pedal axle with the hole on the left crank, and firstly use your hands to correctly screw the pedal into the hole counterclockwise.



Step 4: Lastly, use a wrench to tighten the left pedal counterclockwise.

ASSEMBLY

★ Water Bottle Rack Installation Instruction



Step 1: Finding out the rack and it with bolts and spacers and installing them on the frame.



Step 2: Using a 4mm hexagonal tool to tighten the bolts and fasten the water bottle rack.

ASSEMBLY

★ Rear Rack Installation Instruction



Step 1: Putting the rear rack on the rear frame, aligning it with the mounting holes, and installing spacers and bolts on the rear rack.



Step 2: Adjusting the position of the rear rack and using a 4mm hexagonal tool to tighten the bolts & spacers clockwise for fastening the rear rack.

ASSEMBLY

★ Tire Air Refill



Step 1: Before the bike leaves the factory, the tire pressure is about half as low. Before riding, check for adequate air pressure.



Step 2: Recommended inflation pressure for 20"x3.0" tires: 22-25PSI

1. Product Name and Model Number

Smart LCD display for electric bicycle; Model: YL81F.

2. Specification

- 48V power supply
- Display rated current 15mA
- Display maximum current 30mA
- Shutdown leakage current <1uA
- Supplied current to the controller 50mA
- Operating temperature -20~60°C
- Storage temperature -30 to 70° C

3. Appearance and Size



Figure 3-1 Physical picture of the YL81F display



Figure 3-2 Physical picture of the K5 control button

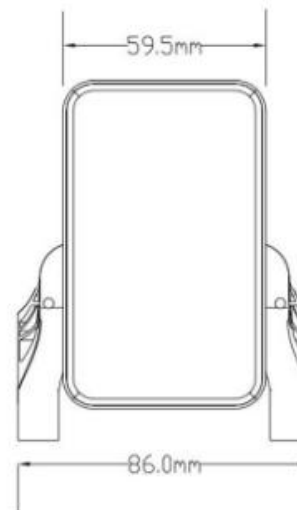


Figure 3-3 YL-81F Front View Dimension

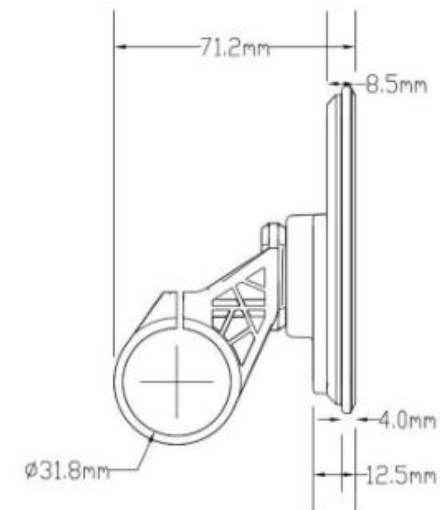


Figure 3-4 YL-81F Side View Dimension

4. Function overview and Functional areas

4.1 Functional overview

The YL81F display offers a variety of features to suit your riding needs, including:

- Battery level indicator
- Pedal assist (PAS) level indicator
- Speed (current speed, maximum speed, average speed)
- Mileage display (single and total mileage)
- Walk boost mode
- Light ON/OFF
- Error code indicator
- Personalized parameter settings (e.g. wheel diameter, speed limit, etc.).
- Factory default parameter recovery function

4.2 Functional areas

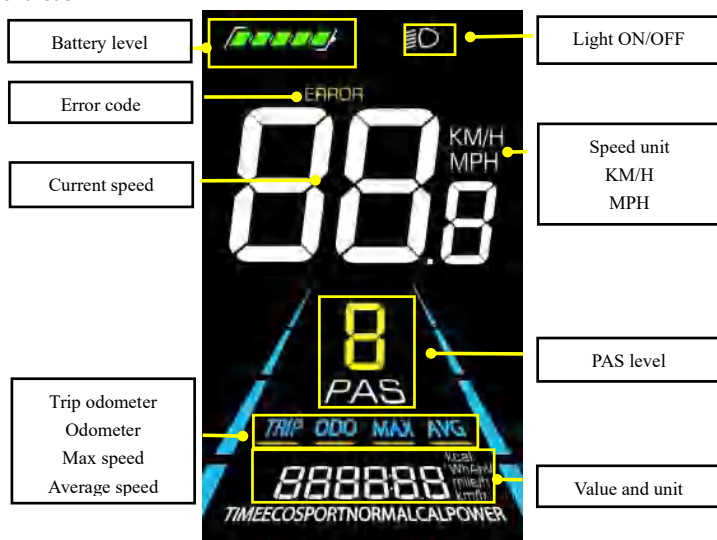








Figure 4-1 YL81F functional area distribution interface

4.3 Button definitions

The YL81F display is equipped with five buttons on the corresponding operating unit: power on/off , plus , minus , light  and toggle .

5. Routine operation

5.1 Power on/off

Long press  to power on/off the display. When the display is off, it will not use the battery power and the leakage current is less than 1uA.

⚠ The display will automatically shut off if it is not used for more than 10 minutes.

5.2 Display interface switching

When the display is powered on, it will show the Current Speed (km/h) and Trip Odometer (km) by default. Short press **1** to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), Average Speed (km/h), and Current (A).

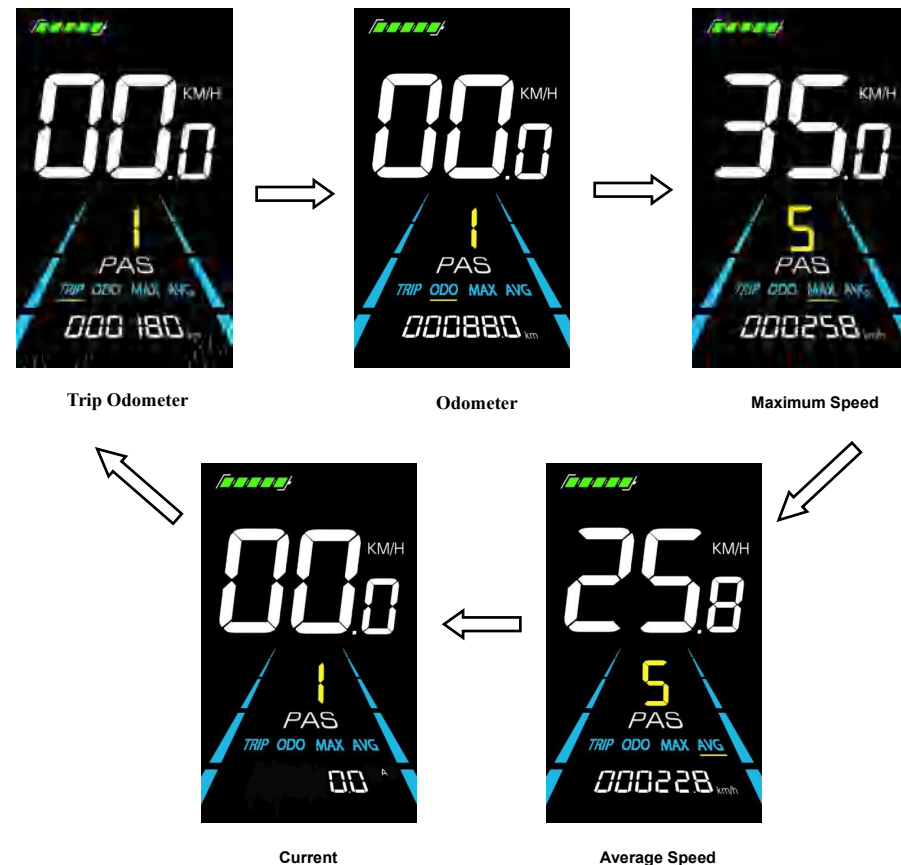


Figure 5-1 Display Interface Switching

5.3 Turning on/off lights



Press the  to make the controller turn on the lights and the display backlight becomes dim. Press  again to make the controller turn off the lights and the backlight restore brightness.



Figure 5-2 Backlight display interface

5.4 PAS level selection



Press  /  to switch PAS level of electric bicycle, thus changing the motor output power. (The following pictures are only for illustration of different speeds in different gears. The specific speed is subject to the actual product)



Figure 5-3 PAS level display interface

5.5 Battery level display

The Battery level is shown as 5 bars. When the battery is full charged, all of the 5 bars lighten up. When the battery is fully depleted, the bar will begin to flash, warning the user to charge the battery as soon as possible.

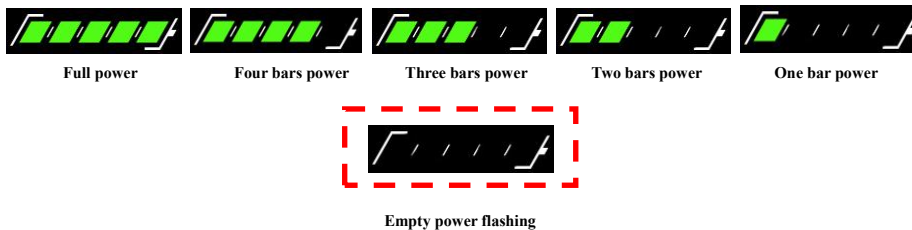


Figure 5-4 Battery Level Display Interface

5.6 Error code display

If there is a fault occurs in the electronic system of the electric bicycle, the display will automatically show an error code, see **Schedule 1** for a detailed definition of the error code.

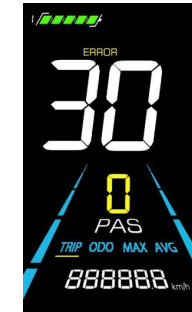




Figure 5-5 Error Code Display












 When the error code appears on the display, please troubleshoot the problem in time, the electric bicycle will not be able to drive normally after the problem occurs.

6. Personalized parameter settings

 Each setting needs to be done with the bicycle stationary.

The personalized parameter setting procedure is as follows:

When the display is ON and the speed shows 0,

- (1) Press and hold   simultaneously for more than 2 seconds to enter the personalized parameter setting interface.
 - (2) Press  /  to toggle between the personalized parameter setting interface, and press  to enter the parameter changing state.
 - (3) Press  /  to select the parameter, long press  for addition operation, long press  for subtraction operation.
 - (4) Press  to save the parameter settings and return to the personalized parameter setting interface.
 - (5) Long Press  to save the parameter settings and exit the personalized parameter setting interface.
- The following options are available on the personalized parameter setting interface:

6.1 Metric and Imperial setting

01P is the metric and imperial setting, 00 for metric and 01 for imperial.

Press the button **i** to enter the parameter modification interface. Press the button **+**/**-** for parameter selection.

Press the button **i** to save the parameter and return to the selection interface of general setting options.

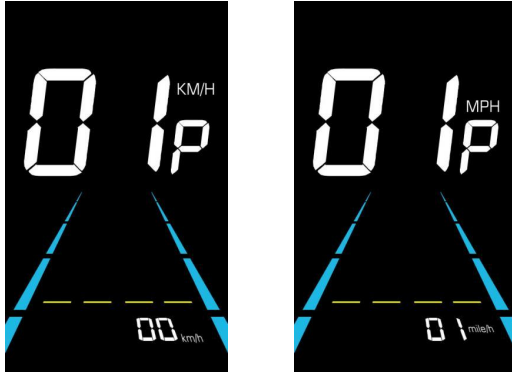


Fig. 6-1 Metric and Imperial Units Setting Interface

6.2 Rated voltage setting

02P is the rated voltage setting. (Can only be viewed but not adjusted).

Press **i** to enter the parameter viewing state. Press **i** to save the parameter setting and return to the personalized parameter setting interface.



Figure 6-2 Rated voltage setting interface

6.3 PAS level setting

03P is the Pedal assist level setting. The available PAS level settings are: 0~3, 1~3, 0~5, 1~5, 0~7, 1~7, 0~9, 1~9.

Press **i** to enter the parameter changing state. Press the **+**/**-** to select the parameter and press **i** to save the parameter setting and enter the 6.3.1 power ratio value setting interface, or press and hold the **i** to confirm and return to the main interface.



Figure 6-3 PAS level setting interface

6.3.1 PAS level ratio value setting

To meet different requirements for users, the speed of every level can be adjusted by setting the PAS level ratio value. Please see the details from Schedule 2.

For example, “10-37%” is the ratio range of PAS 1. The default ratio value of PAS 1 is 20% which is adjustable.

Press the **+**/**-** to select the parameter and press **i** to save the parameter and enter into the next level setting.

Press **i** again to save the settings and return to the personalized parameter setting interface.



Figure 6-4 PAS level setting interface

6.4 Wheel diameter setting

04P is the wheel diameter setting. (Can only be viewed but not adjusted).

Press **i** to enter the parameter viewing state. Press **i** to save the parameter setting and return to the personalized parameter setting interface.



Figure 6-5 Wheel diameter setting interface

6.5 Number of speed sensor magnets setting

05P is the speed sensor magnet number setting. (Can only be viewed but not adjusted).

Press **i** to enter the parameter viewing state. Press **i** to save the parameter setting and return to the personalized parameter setting interface.



Figure 6-6 Number of speed sensor magnets setting interface

6.6 Speed Limit Setting

06P is the speed limit setting. The adjustable speed limit range is: 10~24km/h. (The maximum adjustable speed limit varies by different protocols).

Press **i** to enter the parameter changing state. Press the **+**/**-** to select the parameter and press **i** to save the parameter setting and return to the personalized parameter setting interface.



Figure 6-7 Speed limit setting interface

6.7 Controller Current Limit Setting

07P is the controller current limit setting. (Can only be viewed but not adjusted).

Press **i** to enter the parameter viewing state. Press **i** to save the parameter setting and return to the personalized parameter setting interface.



Figure 6-8 Controller current limit setting interface

6.8 PAS sensor direction setting

08P is the PAS sensor direction setting, run-F is front direction.(Can only be viewed but not adjusted).

Press **i** to enter the parameter viewing state. Press **i** to save the parameter setting and return to the personalized parameter setting interface.

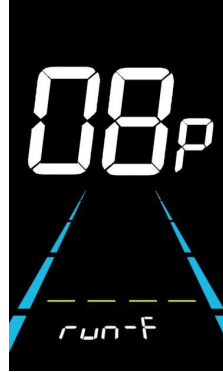


Figure 6-9 PAS sensor direction setting interface

6.9 Pedal assist sensitivity setting

09P is the pedal assist sensitivity setting. When set to higher numbers, it will take more crank rotations to activate the motor. On lower numbers, it will take little crank rotation to activate the motor. The adjustable range is: 2-9.

Press **i** to enter the parameter changing state. Press the **+** / **-** to select the parameter and press **i** to save the parameter setting and return to the personalized parameter setting interface.

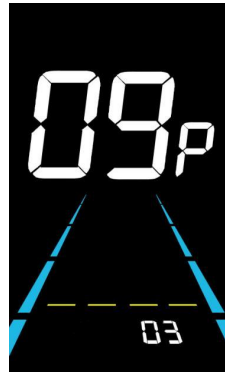


Figure 6-10 Pedal assist sensitivity setting interface

OPERATING YOUR NEW E-BIKE

★ The method to turn on the bike is

- I. Press the power button on the left handlebar until the display lights on;
- II. Ride on the bike and twist the throttle bar or pedal the bike, the bike will move, you can change the power level with control buttons, level 1 is the slowest and level 5 is the fastest, level 0 is the human model.

Your e-bike is driven by a motor embedded in the hub of the rear wheel. The motor is powered by a battery. 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 or full power mode you choose.

You can configure the e-bike to operate in the pedal-assist-only mode or the full power mode (should check against local laws to ensure full power mode is permitted) where you can also use the hand throttle to deliver power to the motor.

★ Your First Ride

(Reprinted from the Safety and Compliance with the Law section)

Please be VERY CAREFUL when you are ready to get on your e-bike for the first time because the e-bike moves significantly faster than a regular bicycle in active power-assisted mode. Take your e-bike to an area with a lot of open space before you start. Do not start pedaling hard as soon as you get on the e-bike (as you normally would do with a regular bicycle), as the e-bike will accelerate under pedal-assist mode and you may be unprepared for the sudden increase in speed. However, after a few times, you will enjoy using the pedal-assisted function.

OPERATING YOUR NEW E-BIKE 2

★ Pedal-Assisted

You must turn on the battery to use the e-bike in pedal-assisted mode.

In the pedal-assisted mode, power assist is triggered when you pedal forward, and power assist stops when you stop pedaling, sometime would be delayed. 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, power assist will automatically stop, allowing the e-bike to slow down and stop. Power assist will turn itself off when the e-bike has reached the maximum speed that the power level you choose.

You should use the gear shifter at the handlebar to set the gears appropriately according to road conditions and pedal, as usual, you will find that you need to exert a lot less effort and the e-bike travels faster and at a more steady speed.

★ Cruise Control

Cruise Control will be triggered when you hold the throttle for 8 seconds, and it will be released by braking/pedaling or throttling.

★ Rotate Throttle Control

In the hand throttle mode, the amount of power assist is determined by the throttle switch controlled by your hand. You control the throttle by twisting it from its resting position, the farther the throttle switch is from its resting position, the more power is delivered to the motor to accelerate the e-bike. When you want to slow down, you simply release the throttle and let it return to its resting position, and simultaneously apply the brakes if necessary.

You do not need to pedal the e-bike if you use the hand throttle. However, you can pedal while commanding power assist. If you do pedal to help the movement, you conserve energy and the charge in the battery will last longer.

CHARGE INSTRUCTIONS

★ Charging Your e-Bike Battery

Your e-bike battery is a lithium-ion battery. Lithium-ion battery requires specially designed chargers. You should never charge your battery with a substitute charger that is not designed for this use. Use of an unsuitable charger to charge a lithium-ion battery will result in overheating, fire or even explosion. Ensure charger voltage is consistent with battery voltage. If your charger is lost or damaged, contact your dealer to order a replacement.

Charge your battery while the e-bike is not in use. You should turn off the battery before you charge it. You may charge your battery while it is mounted on the e-bike, or after it has been removed from the e-bike.

Do not place either the charger or the battery near flammable substances while charging is taking place. Charging should not be done in the vicinity of infants and small children. It is also prudent to remove valuable objects from the immediate vicinity of the battery while it is being charged. Don't charge in unattended condition for a long time. For the safety of you and your family, it is recommended not to charge in the middle of the night.

In order to maintain battery life, do not charge until the battery completely discharged, it is recommended to start charging when the power is less than 20 percent. If the battery will not be used for an extended period of time, charge it fully and recharge it every month. If not used for several months, the battery may be completely self-discharged and unable to charge.

The length of charging time depends on the level of charge the battery still holds. If a battery is completely discharged, it will take about 6 hours to be fully recharged.

When a battery is fully charged, the LED on the charger will transition from RED to GREEN. At this point, you should disconnect the charger. Do not leave the charger connected to the battery for a very long period of time after charging is complete. (Leaving it connected for an overnight charging is OK.)

It is normal for the charger and the battery to be slightly hot while charging is on-going.

★ Removing the Battery from the e-Bike

The battery is an important and costly part of the e-bike. It is designed to be locked into position with a key to preventing theft. You can take further precaution by removing the battery while the e-bike is parked unattended. You may also have a need to remove the battery from the e-bike to recharge it at a location where you cannot park your e-bike. substitute charger that is not designed for this use. Use of an unsuitable charger to charge a lithium-ion battery will result in overheating, fire or even explosion. Ensure charger voltage is consistent with battery voltage. If your charger is lost or damaged, contact your dealer to order a replacement.

The method to remove the battery is:

- I. Open the cap of the charging port and fold the bike;
- II. Insert the key into the battery, hold pressing the key a bit until twist clockwise to the end (Note: You can't remove the battery until the lock bar withdraws into the battery completely);
- III. Slip off the battery, the battery is quite heavy and you should take care not to drop it.

Maximizing the Riding Range

Many factors affect the rate of use of the electrical energy and the riding range.

You should fully charge the battery before a long journey.

Rough road conditions and hilly terrain will consume more energy.

Frequent change of speed will consume more energy.

Carrying more weight on the e-bike will consume more energy.

Keeping the tires properly inflated and keeping the e-bike clean and well lubricated will save energy.

Making sure that both wheels move freely when brakes are not applied will save energy. You should check brake adjustments frequently.

Pedaling as you ride will consume less electrical energy and increase the riding range.

When the battery is turned off, your e-bike functions as a regular bicycle. If you embark on a very long journey, you might want to turn off the battery for long stretches where the road is level or downhill and pedal the e-bike as a regular bicycle so that you can conserve electrical energy stored in the battery.

DAILY MAINTENANCE

★ Care and Maintenance for Your New e-Bike

You should, in general, take care of your e-bike the way you would with a regular bicycle by keeping it dry, clean and the moving parts well lubricated. You should also avoid parking your e-bike in exposed areas whenever possible.

You should check the effectiveness of the brakes before each use.

★ For your e-Bike, you should also take note of the following:

Your e-bike is designed for regular country road use for a single person. Using your e-bike for extreme maneuvers, such as extreme off-road use, jumping, or carrying the 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 electrical parts or short circuits.

Avoid parking your e-bike outside when there is rain or snow. At the end of a trip where there was rain or snow, bring the e-bike inside and use a clean, dry towel to eliminate any wetness.

Be sure you do not lose both keys and remote controls. If you lost one key, you should immediately make a copy as a back-up. If you lost both keys, you will be unable to remove the battery from the e-bike. If you lost both remote controls, you can't turn on the bike.


Safety


These safety precautions are provided for your benefit to protect you and those around you. Please read and follow them carefully to avoid unnecessary injury, damage to the product, or damage to other property.

• Battery


⚠ CAUTION

- Do not throw the battery into a fire. Do not overheat the battery.
- Do not connect the battery to other appliances other than your battery.
- Use only the specified charger to charge the battery.






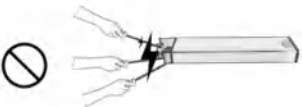
Specified rechargeable battery



- Do not take apart or modify the battery.
- Do not connect positive and negative terminals by using metallic objects.



Disassembly Prohibited

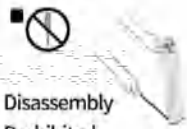


(Electrolyte leakage, overheating and/or rupture may result in this type of abuse.)


• Battery Charger


⚠ CAUTION

- Do not take apart or modify the charger
- Do not subject the charger to shocks, e.g. by dropping. Keep the charger away from water
- Do not touch the charger with your skin for long periods during charging




Disassembly Prohibited







Overheating, fire or electric shock may result

- Do not cover the charger or place objects on it
- Place the charger firmly on a flat dry surface
- Do not short-circuit the terminals by using metallic objects







Overheating, fire or electric shock may result

Trouble Shooting

As one or more causes of failure might lead to the failure phenomenon, you should find out the true cause(s) and then take the appropriate solution(s) to rectify the problem. In case of doubt, please consult a qualified technician for service, repairs or maintenance.

Failure Phenomena	Causes of Failure	Solutions
<ul style="list-style-type: none"> Can't turn on the e-bike 	<ul style="list-style-type: none"> Battery is off The Battery is out of power Battery aging or damaged Poor contact of display line Failure of controller Failure of switch 	<ul style="list-style-type: none"> Turn on the battery Fully charge the battery Replace the battery Reconnect the display Replace the controller Replace the switch
<ul style="list-style-type: none"> Pedal assist doesn't work Gear doesn't work well Brake doesn't work well Display doesn't light on 	<ul style="list-style-type: none"> Failure of speed sensor Rear derailleur mismatch Brake caliper mismatch Brake Disc is bent Poor contact of display line 	<ul style="list-style-type: none"> replace speed sensor Adjust rear derailleur Adjust brake caliper or disc Reconnect the display line
<ul style="list-style-type: none"> Can't adjust the speed Speed is less than 10km/h 	<ul style="list-style-type: none"> Battery's voltage is too low Throttle governing bar is damaged Poor contact of the controlling line Spring failure or being locked 	<ul style="list-style-type: none"> Fully charge the battery Replace the throttle governing bar Replace the spring
<ul style="list-style-type: none"> e-Bike's mileage is obviously inadequate after fully charged 	<ul style="list-style-type: none"> Inadequate tire pressure Failure of charger The battery cannot be fully charged Failure of controller Battery aging or battery damaged e-Bike has not been well assembled Too much upgrade road Strong wind Bad road Overweight Too many braking times Temperature is too low 	<ul style="list-style-type: none"> Inflate tire with appropriate air pressure Repair the charger Examine and repair the controller Replace the controller Replace the battery Re-adjust the e-Bike <ul style="list-style-type: none"> Boost the e-Bike by manpower Warm the battery above 0°C (32°F)
<ul style="list-style-type: none"> Wheel hub stop running after switching on the power 	<ul style="list-style-type: none"> The connection of battery is loosen. Poor contact of controlling line The connection of wheel hub is loose or damaged The protective board of the battery is broken 	<ul style="list-style-type: none"> Re-connect the battery Replace the connection line Replace the battery's protective board with a new one

WARNING

- Keep the battery away from water. Pouring water on the battery may result in short-circuit, overheating or permanent damage of the battery.
- Do not submerge the battery. Soaking the battery in water may cause irreparable damage.

WARNING

- Do not apply pressure to the cable or the plug.
 - Placing the cable tightened between a wall and a window frame, or placing heavy objects on the cord or the plug may result in electric shock or fire.
- Be sure to insert the plug securely into a wall socket.
 - Electric shock and overheating may result, causing fire.
- Do not touch the plug with wet hands.
 - Electric shock may result.
- Keep out of reach of children or pets.
 - Electric shock or injury may result.
- Do not attempt to use another maker or model's charger to charge the battery.
 - Overheating, fire or electric shock may result.
- Do not use the charging plug and/or the power source Plug when they are dirty, wet or dusty.
 - Insulation failure due to moisture absorbed in the dust may result, causing fire.
 - Pull out the power source plug and clean it with a dry cloth.
 - To remove a cable from a socket, pull the plug, not the cable.
 - Always pull the charging cable gently.
- Do not rotate the pedals when charging the battery while it is mounted on the bicycle.
 - The cord may twist around the pedal or the crank, and the damage to the plug may result, causing electric shock or fire.
- Do not apply voltage over the rated value to the charger.
 - Do not use sockets, correctors and other wiring devices with a power source other than standard rated voltage (AC110-240 volts) power supply.
 - Overheating, fire or electric shock may result.
- Do not use damaged components such as charge case, power cord, plug etc.
 - Electric short, short-circuit or fire may result.

TROUBLE SHOOTING

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Failure Phenomena

Causes of Failure

Solutions

E-Bike's mileage is obviously inadequate after fully charged

Inadequate tire pressure
Failure of charger
The battery cannot be fully charged
Failure of controller
Battery aging or battery damaged
e-Bike has not been well assembled
Too much upgrade road
Strong wind
Bad road
Overweight
Too many braking times
Temperature is too low

Inflate tire with appropriate air pressure
Repair the charger
Examine and repair the controller
Replace the controller
Replace the battery
Re-adjust the e-Bike
Boost the e-Bike by manpower
Warm the battery above 0 °C (32 °F)

Wheel hub stop running after switching on the power

The connection of battery is loosen
Poor contact of controlling line
The connection of wheel hub is loose or damaged
The protective board of the battery is broken

Re-connect the battery
Replace the connection line
Replace the battery's protective board with a new one

TROUBLE SHOOTING

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Can't adjust the speed Speed is less than 10km/h	Battery's voltage is too low Throttle governing bar is damaged Poor contact of the controlling line Spring failure or being locked	Fully charge the battery Replace the throttle governing bar Replace the spring



VITILAN U3 EBIKE

For more information. Please refer to the following way

Email: support@vitilanebike.com

Website: www.vitilanebike.com



Instagram: [Vitilanebike](#)

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