VTUVIA

PEDAL FOR LIFE

18+ ONLY

CHILDREN UNDER THE AGE OF 18 ARE NOT ALLOWED TO RIDE

SN100 ELECTRIC BICYCLE | INSTRUCTION MANUAL

COLOR OPTIONS:

CAMOUFLAGE

⚠ Before riding, please read the product instructions carefully and carefully check the complete components to ensure your safety. If you find a problem, please contact the dealer or the company in time.

CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

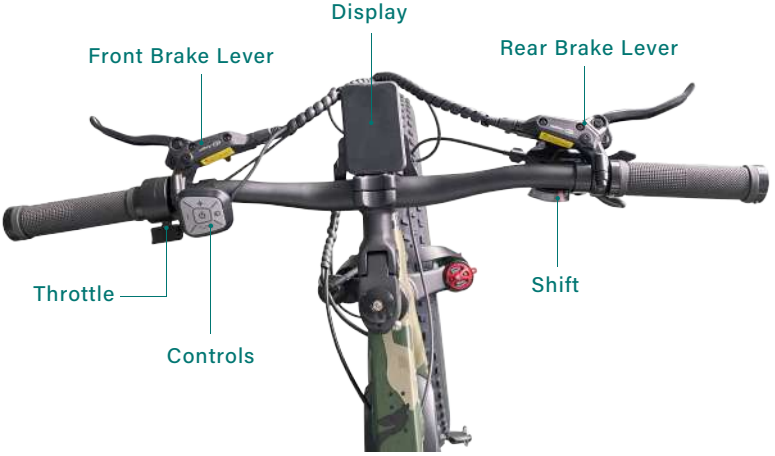
(SAVE THESE INSTRUCTIONS)

WARNING–When using this product, basic precautions should always be followed, including the following:

a) Read all the instructions before using the product.
b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
c) They are not intended for use at elevations greater than 2000 m above sea level.
d) Do not put fingers or hands into the product.
e) Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
f) For an off board charging system provided with a field wiring terminal or leads, the installation instructions shall state that the installation is intended to use copper wires only.
g) For an off board charging system, when a pressure terminal connector, or the fastening hardware, are not provided on the unit as shipped. The instruction manual shall indicate which pressure terminal or component terminal assemblies are for use with the unit.
h) With reference to (f), the terminal assembly packages and the instruction manual shall include information identifying the wire size and the manufacturer's name, trade name, or other descriptive marking by which the organization responsible for the product is identified.
i) When a pressure terminal connector provided on an off board charging system, for a field installed conductor requires the use of other than an ordinary tool for securing the conductor, identification of the tool and any required instructions for using the tool shall be included in the installation instructions.
j) The instruction manual for a unit where the abnormal test is terminated by operation of the intended branch circuit over current protective device, shall include the word "CAUTION" and the following or equivalent: "To reduce the risk of fire, connect only to a circuit provided with _____ amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70." The blank space is to be filled in with the applicable ampere rating of branch circuit overcurrent protection.

BASIC STRUCTURE

Basic Structure(eg:SN100)



MAIN TECHNICAL PARAMETERS AND SPECIFICATION

Motor:	48V 750W Rear brushless
Battery:	48V 15AH LG
Controller:	KZQW26
PAS:	1:1 intelligent pedal assistant system
Range:	60KM(Electric Only) , 105KM(Pedal Assistant)
Charging Time:	5-6 hours
Rear Derailleur:	Shimano front 1 and rear 7 outer
Frame:	6061 aluminium alloy
Pedals:	Aluminum alloy pedals
Tires:	26*4.0 Anti-stab Reflective
Front Fork:	Exsho
Front Brake:	LOGAN Hydraulic Disc Brake
Rear Brake:	LOGAN Hydraulic Disc Brake
Stud:	Aluminium alloy
Dispiay:	81F
Light:	LED headlight & taillight
Chain Wheel:	Aluminium alloy crank 44T
Seat Post:	High-strength Aluminium Alloy
Shelves:	Rear rack (optional)
Colour:	Camouflage
Max Speed:	45KM/H
Net Weight:	40KG
Gross Weight:	42KG
Max Load:	125KG

LCD DISPLAY INSTRUCTION

1.Product Name and Model Number

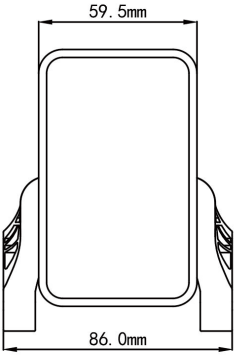
Smart LCD display for electric bicycle;Model: YL81F.

2.Specification

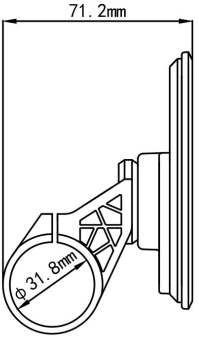
24V/36V/48V power supply
Display rated current 15mA
Display maximum current 30mA
Shutdown leakage current <1uA
Supplied current to the controller 50mA
Operating temperature -20～60℃
Storage temperature -30 to 70℃

3.Appearance and Size

Physical picture
of the YL81F display



90T-V Front
View Dimension



90T-V Side View
Dimension

Physical picture of the
K5 control button

81F

Physical picture of the
K6 control button

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
Motor power indicator (optional)
USB connection indicator (optional)
Cruise control indicator (optional)
Bluetooth connection indicator (optional)
Personalized parameter settings (e.g. wheel diameter, speed limit, battery power setting and PAS parameter setting,password setting, controller current limit setting, etc.).
Factory default parameter recovery function4.2 Functional areas

4.2 Functional areas

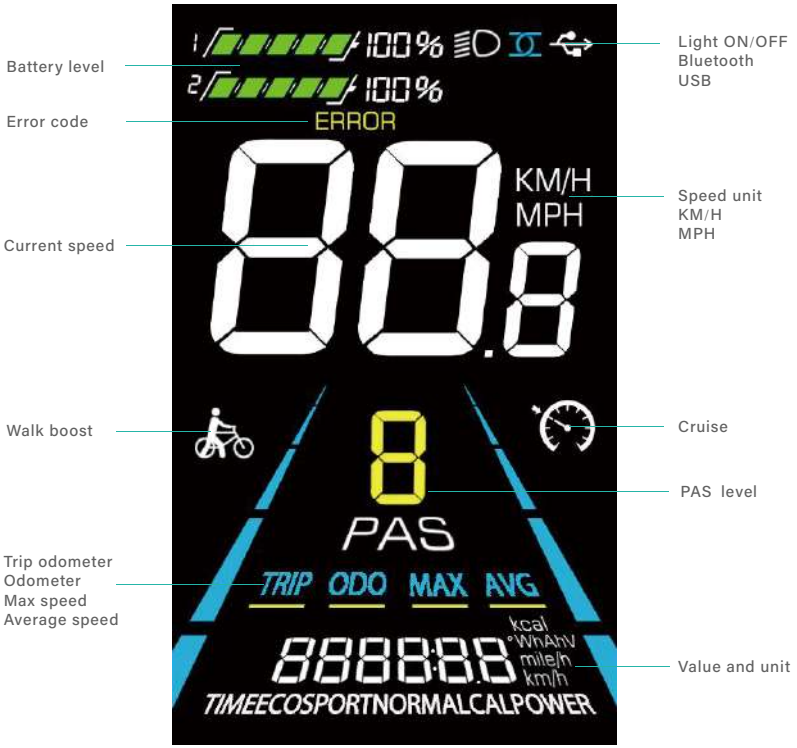


Figure 4-1 YL90T-V functional area distribution interface

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 onloff

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 to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h).

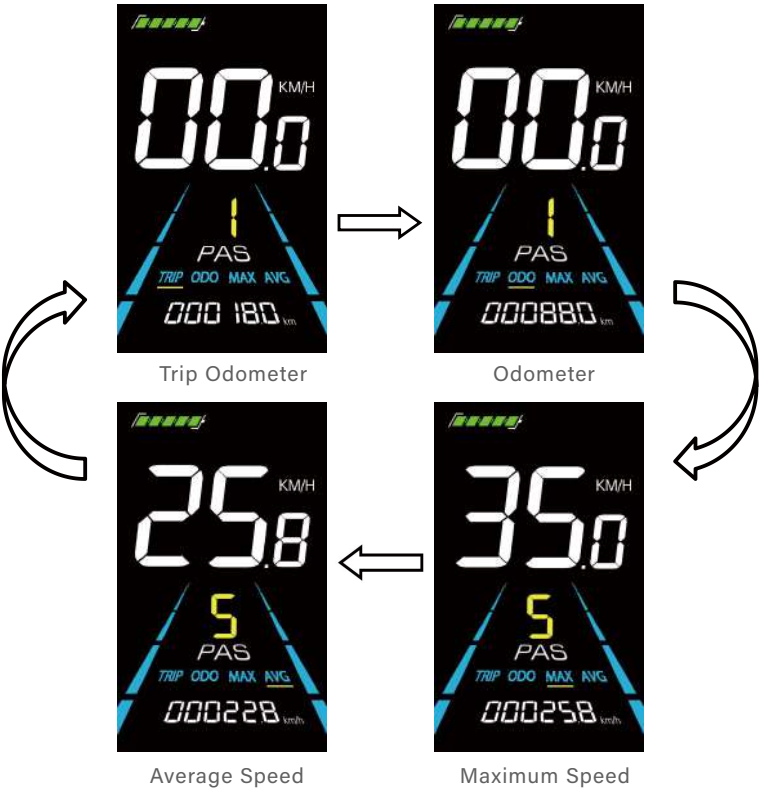


Figure 5-1 Display Interface Switching

5.3 Walk boost mode

Long Press and hold − , the electric bicycle enters the walk boost mode. The electric bicycle will walk at a fixed speed of 6 km per hour and the display shows .Release − to stop the power output immediately and restore to thestate before walk boost.

Helping to implement the display screen

⚠ The walk boost mode can only be used when pushing the electric bicycle, please do not use it while riding.

5.4 Turning onloff lights

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

Backlight display interface

5.5 PAS level selection

Press + / − to switch PAS level of electric bicycle, thus changing the motor output power.

PAS level display interface

5.6 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 isfully depleted, the bar will begin to flash, warning the user to charge the battery as soon as possible.

Full power | Four bars power | Three bars power | Two bars power | One bar power

Empty power flashing

Battery Level Display Interface

5.7 Error code display

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

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 i to enter the parameter changing state.

(3) Press + / − to select the parameter, long pres + for addition operation,long press − for subtraction operation.

(4) Press i to save the parameter settings and return to the personalized parameter setting interface.

(5) Long Press i 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 Backlight luminance setting

01P is the backlight luminance setting. Parameters 01,02 and 03 are available, which represent the backlightluminance,01 for the minimum luminance, 02 for the standard luminance and 03 for the maximum luminance.

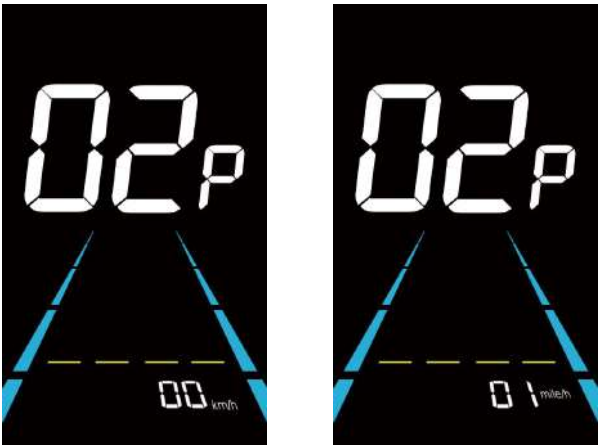
Press the button i to enter the parameter modification interface.Press the button + / − for parameter selection.Press the button i to save the parameter and return to the selection interface of general setting options.

Backlight Luminance Setting Interface

6.2 Metric and Imperial setting

02P is the metric and imperial setting, 00 for metric and 01 for imperial.

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.



Metric and Imperial Units Setting Interface

6.3 Rated voltage setting

03P is the rated voltage setting. The available rated voltage range is: 24V, 36V, 48V.

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.

Rated voltage setting interface

6.4 Auto sleep Time setting

04P is the auto sleep time setting.To save the battery power and reach higher range, this display will be turned off afterit has not been used for a time.The adjustable range is: 1~60min,00 means no auto shutdown. The factory default setting is10 minutes.

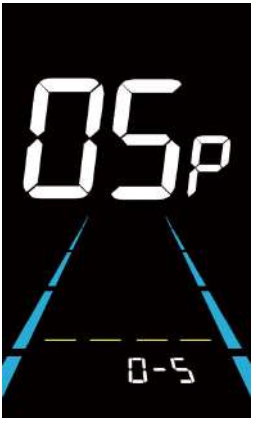
Press i to enter the parameter changing state.Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Auto Power Off Time Setting Interface

6.5 PAS level setting

05P is the Pedal assist level setting.The available PAS level settings are:0~3,1~3,0~5,1~5, 1~7,0~7,0~9,1~9.

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



PAS level setting interface

6.6 Wheel diameter setting

06P is the wheel diameter setting. The adjustable wheel diameter range is: 1~50inch.

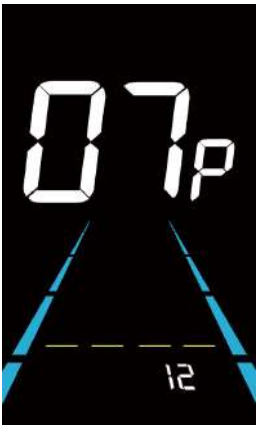
Press i to enter the parameter changing state.Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Wheel diameter setting interface

6.7 Number of speed sensor magnets setting

07P is the speed sensor magnet number setting.The adjustable speed sensor magnet number range is: 1 ~255 pcs.

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.



Number of speed sensor magnets setting interface

6.8 speed Limit setting

08P is the speed limit setting. The adjustable speed limit range is: 1~10Okm/h.(The maximum adjustable speed limitvaries 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.

Speed limit setting interface

6.9 Start-up setting

09P is the start-up setting.The display can choose the following start modes: 00→zero start,01→non-zero start.

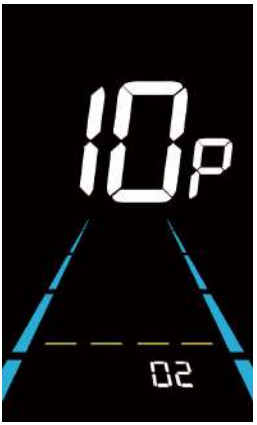
Press i to enter the parameter changing state.Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Start-up setting interface

6.10 Drive mode setting

10P is the drive mode setting .The available drive modes are:00→Pedal assist only, 01→Electric only, 02→Both Pedalassist and electric.

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.

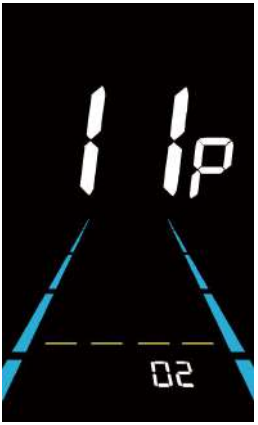


Drive mode setting interface

6.11 Pedal assist sensitivity setting

11P is the pedal assist sensitivity setting.When set to higher numbers, it will take more crank rotations to activate themotor. On lower numbers, it will take little crank rotation to activate the motor. The adjustable range is: 1~24.

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.



Pedal assist sensitivity setting interface

6.12 Pedal assist strength setting

12P is the Pedal assist strength setting. The Pedal assist strength is the relative strength of the PWM signal from thecontroller when start to activate pedal assist. The adjustable range is O~5.0 is the weakest strength and 5 is the strongest.

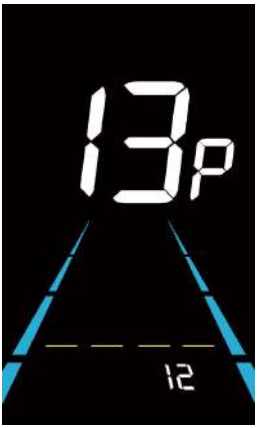
Press i to enter the parameter changing state.Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Pedal assist Start-up intensity setting interface

6.13 Number of pedal assist sensor magnets setting

13P is the number of pedal assist sensor magnets setting. The adjustable range: 5,8,12 pcs.

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.



Number of pedal assist sensor magnets setting interface

6.14 Controller Current Limit Setting

14P is the controller current limit setting. The adjustable range is: 1~50A.

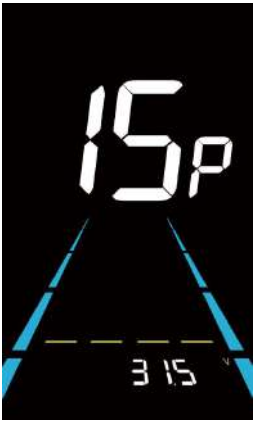
Press i to enter the parameter changing state.Press the + / − to select the parameter and press i to save the parameter setting and return to the personalized parameter setting interface.

Controller current limit setting interface

6.15 Battery under voltage value setting

15P is the battery under voltage setting. The value can be adjusted based on the current rated voltage.

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.

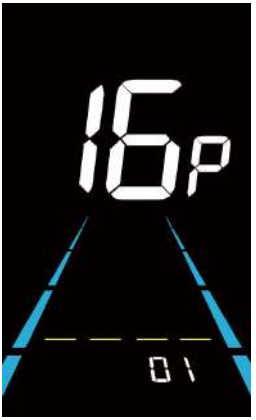


Battery under voltage value setting interface

6.16 ODO resets setting

16P is the ODO resets setting.The display can choose the following: 00→non reset, 01→reset.

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.

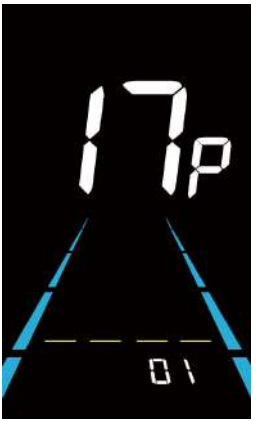


ODO resets setting interface

6.17 Controller cruise control setting

17P is the controller cruise control setting. The display can choose the following: 00→non enable, 01→enable.

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.

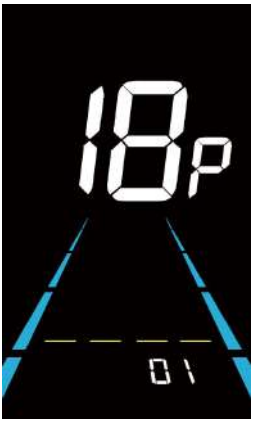


Controller cruise control setting interface

6.18 6km/h walk boost setting

18P is the 6km/h walk boost setting. The display can choose the following: 00→turn off walk boost function,01→turnon walk boost function.

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.



6km/h walk boost setting interface

7.Shortcut operation

7.1 Restore factory settings operation

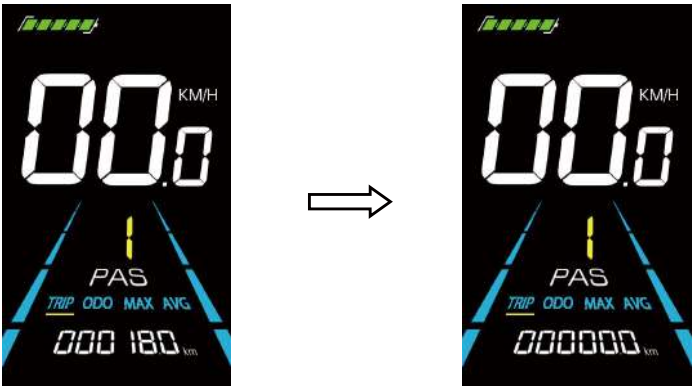
dEF is the restore factory default parameter settings. dEF-Y is to restore default settings, and dEF-N is not to restore.Enter into the main setting interface and keep the speed at 0, press and hold D and + simultaneously for 2s to enter the restore factory default setting interface. Pressing + / − to toggle to dEF-Y. Then after pressing i to confirm, the display will show dEF-0 for a few seconds and then automatically start to restore the factory default settings.The display will automatically exit to setting interface after the restoration.

Restore Factory Default Settings Interface

7.2 Trip odometer reset operation

The display can record trip odometer and odometer. Trip odometer is not automatically reset after turning off. The tripodometer needs to be reset manually.

Enter into the main setting interface and keep the speed at 0, press and hold − and i simultaneously for 2s to reset the trip odometer. The main interface will flash during the reset process.



Trip Odometer Reset Interface

8.Quality Assurance and Warranty

8.1 Warranty info

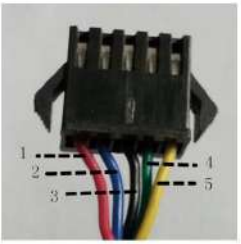
- Yolin will offer a limited warranty for any failure caused by the product defects under normal use during the warranty period.
- The product is warranted for 12 months from the date out of factory.

8.2 Warranty does not cover

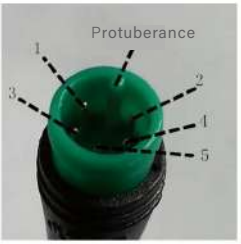
- The shell is opened.
- The connector is damaged.
- Scratches on the appearance after the product is out of factory.
- Scratched or broken wires.
- Failure or damage caused by force majeure (e.g. fire, earthquake, etc.)or natural disaster (e.g.lightming strike, etc.)
- Out of warranty period.

9. Wire connection diagram

9.1 Standard wire connection sequence



Controller connector



Display connector
(Female terminal)

Display connector
(Male terminal)

Wire Connection Diagram

Standard Wire Sequence	Standard wire color	Function
1	Red (vCC)	Display power wire
2	Blue (Kp)	Controller power wire
3	Black (GND)	Display ground wire
4	Green (RX)	Display data reception wire
5	Yellow (TX)	Display data transmit wire

Some models are equipped with waterproof connectors and the color inside wires can not be seen.

10.Precautions

Pay attention to all the general operating when using the products and do not plug and unplug the displaywhile it is powered on.

- Avoid bumping the display as much as possible.
- Please do not change the parameter settings at will , otherwise normal riding cannot be guaranteed.
- If display does not work properly, please send it to the repair center as soon as possible.
- There may be differences between the physical products and this manual due to normal upgrade. Please refer to the physical products.

Error codes for protocols YL-TS				
Error codes	Definition		Error codes	Definition
E021	Controller Abnormality		E023	Motor Phase Abnormality
E022	Throttle Abnormality		E026	Moment Abnormality

Schedule 1: Error Code Definition

YL-O1,YL-O2 Error codes				
Error code	Definition		Error code	Definition
E001	Controller failure		E004	Throttle failure
E002	Communication failure		E005	Brake failure
E003	Hall failure		E006	Motor phase failure
YL-O5,KDS,YL-J Error codes				
Error code	Definition		Error code	Definition
E021	Current failure		E024	Hall failure
E022	Throttle failure		E025	Brake failure
E023	Motor phase failure		E030	Communication failure

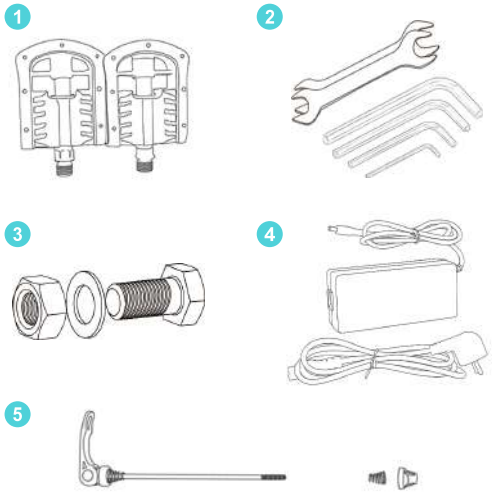
Schedule 2: Error Code Definition

Customize YL-02（LKLS）Error codes:		
Error code	Definition	Handling method
Error05	Brake failure	Check whether the brakes are in position; Replace the brake handle.
Error06	Low-battery	Check whether the battery needs recharging
Error07	Motor phase failure	Check whether the hall wire of the motor is loose
Error08	Throttle failure	Whether to return the handle; Check the connection of the handle, if normal, need to replace the handle
Error09	Controller failure	Check the cable harness connection of the controller or replace the controller with a new controller
Error10	Communication reception failure	Check that the display cable is properly connected
Error11	Communication transmission failure	Check that the display cable is properly connected

INSTALLATION INSTRUCTIONS

85% standard packing for complete e-bikes

1.Open the 85% packing and prepare



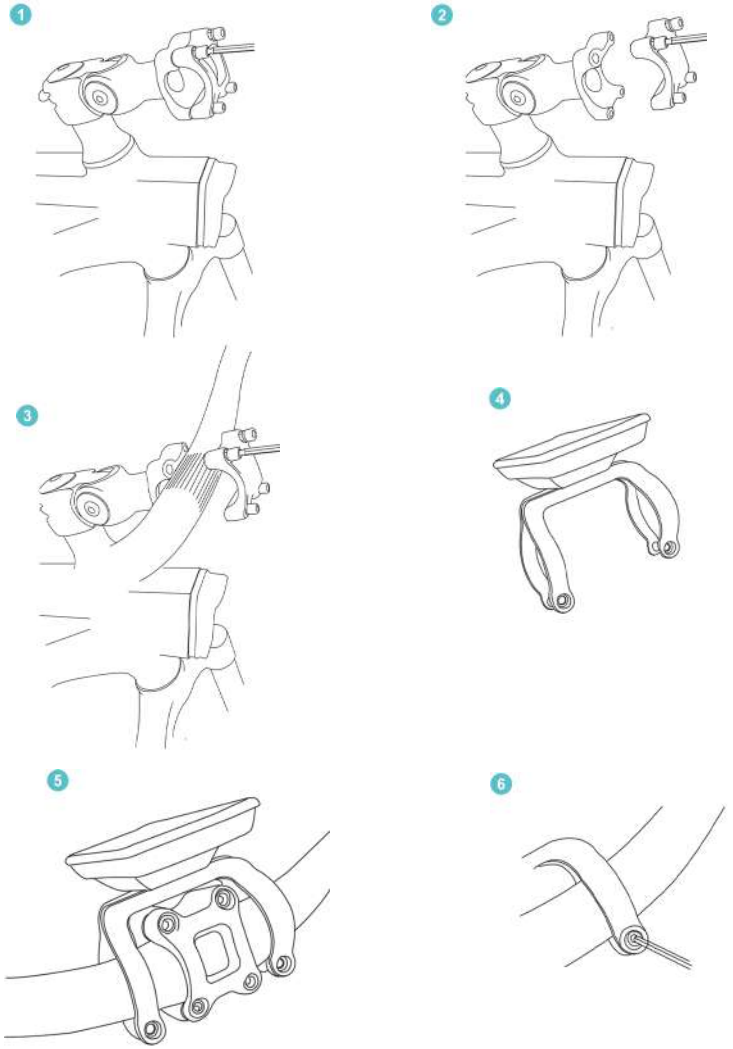
1.Open the box containing the e-bike and remove the contents.
2.Cut the tie that secures the front wheel during transport.
3.Check to make sure that your box contains a quick release (pic 5), fender, seat, pedals (pic 1), tool kit (pics 2 & 3),manual and charger (pic 4).

2.Install the front wheel

Open the quick release and remove the thumb nut and cone spring. Carefully lower the fork onto the wheel ensuring that the brake rotor goes through the caliper. Push the quick release skewer starting at the hole on the side of the bike containing the brake rotor, all the way through to the other side. Keep the two cone springs pointed toward the wheel hub. Tighten the thumb nut until the quick release skewer is held in line with the axle and then use the palm of your hand to close the quick release.

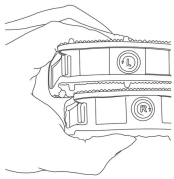
3.Install the handle bars

Remove the four screws from the stem (1) and remove the bracket(2).Place the handlebars on the stem ensuring that the lines are pointed up. Once the handlebars arein the desired position, replace the bracket and tighten all of the screws (3).Remove thescrews from the display (4). Place the display on the handlebars above the stem (5). Once it is in the desired position, tighten the screws.



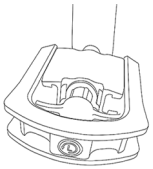
4.Pedal and Saddle

1



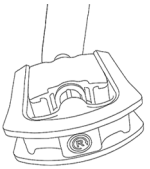
Place the right pedal marked Ⓡ onto the right side of the crank arm,and the left pedal marked Ⓛ onto the left side of the crank arm.

2



The pedal marked Ⓛ has left-hand threads. Tighten this pedal by turning it in a counter-clockwise direction.

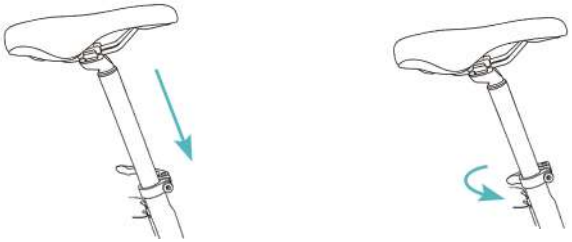
3



The pedal marked Ⓡ has right-hand threads. Tighten this pedal by turning it in a clockwise direction.

5.Adjust the saddle height

Loosen the seat clamp and insert the post into the slot. Move the seat to the desired height and tighten the adjustment nut on the clamp. Once tightened, close the seat clamp completely. Make sure to stay within the marked adjustment range.



Do not raise the seat post higher than the minimum insertion marking etched onto the seat post.

6.Install the headlight

Mount the headlight on the front fork as picture shows.

OPERATING INSTRUCTIONS

1.Battery Charging and Maintenance

- Carefully check whether the rated input voltage of the charger is consistent with the supply voltage.
- The battery can be charged while still connected to your e-bike or it can be removed and charged in another location.
- Connect the output plug of the charger with the charging port of the battery and then connect the input plug of the charger to the power supply.
- If properly connected, the power indicator on the charger and battery will both be on.
- After your bike is charged,remove the power in put from the charger first. Once that has been disconnected,remove the output plug from the charger. A full charge will take 6-8 hours. The indicator light will turn from red to green when charging is complete. Your battery should be fully charged and discharged every 3 months.
- Without pedaling, extra battery power will be consumed during starting and braking, pulling large loads, starting from a full stop using only the throttle, riding on rough surfaces, and riding uphill and again st strong winds.

Use Only Charger KYLC109V55N

2. PAS System & Power-Savings Tips

The PAS System also known as Pedal Assist is designed to kick in when the rider starts to pedal and can be adjusted to the desired speed. The rider can expect to ride 15-20 miles on a full charge with minimal pedaling when traveling on flat, paved terrain. To prolong the life of your battery and make the most of your PAS,utilize the tips below.

- Frequent braking - try to look ahead and coast, rather than stopping and going frequently.
- Riding uphill or in stiff winds - pedal to supplement the battery power.
- When starting from a standstill- use the pedals to help bring you up to spe.
- When battery voltage is low, reduce or turn off power setting and switch to manual pedaling mode.
- If the bike is being stored for long periods, remove the battery from the frame and recharge it at least once a month.

3.Braking System

Your braking system is a key component in keeping you safe while riding. Make sure that you check your brakes prior to riding your bike each time. Check for loose connections and frayed wires. Inspect your brake shoes for heavy signs of wear and make replacements as needed. Never place oil or any lubricant on your brake shoes.
The left brake handle controls the rear brake and the right brake handle controls the front brake. Don't use the front brake while riding downhill or at a high rate of speed. Give yourself extra time and space to brake safely on wet or debris filled surfaces. Reduce your speed.

4.Speed Control System

The Speed Control System is designed to be versatile and help your ride through multiple terrains. The Speed Control System is comprised of the derailleur, front and rear fenders, chain plate, flywheel and shift cables. The number of speed changes available is the number of fluted discs multiplied by the number of flywheel pieces. Forexample, 3 discs and 7 flywheel pieces would be the 21 speed series.

USER MAINTENANCE INSTRUCTIONS

1.Inspection Before Riding

In order to ensure your driving safety, it is important to check over your bike before you ride.

- Chain shouldn't be sagging and should be lubricated with chain oil periodically.
- Check the tires to make sure that they are properly inflated and that the nuts are tight.
- Check the tread on the tires.
- Check your brakes to make sure that there is not a lot of slack and that they.are in proper working order.
- Check that the gearshift is operating correctly.
- Check that the light,reflectors,bell and any other after -market accessories are attached in the correct position and are in proper working order.
- Check all lines and wires for signs of fraying or other damage.

2.Maintenance

(1) Maintenance cleaning instructions

Do not spray your bike down with water to avoid damaging the electrical components. Use a mild detergent on a cloth to remove dirt from the non-electric areas of your bike. Dry with a clean cloth.

WARNING －In winter, when the temperature drops below freezing, the mileage will decrease by 0.4 km (at 25 OC),and attention should be paid to the adjustment of the distance and the charging time.

(2)Motor Maintenance

The motor should never be submerged in water. Carefully inspect the charger and electrical lines for signs of fraying. Damaged wires can deliver electrical shocks as well as short-circuit your motor.

3.Note when ridding

- In the vehicle just started, should be slowly accelerated, so as to avoid instant rapid acceleration, resulting in excessive starting current, waste of electricity, auxiliary pedal start better.
- For the good maintenance of the battery and motor, when the bike starts for climbing, please use pedal power.
- In order to ensure the safety of the premise, please try to use the economic speed. And to minimize frequent braking, frequent start, in order to save electricity.
- When riding,please avoid still tightening the speed control after braking, so as to avoid excessive overload of motor damage to other parts.
- The e-bike controller with overload protection function, overload will automatically cut off the power supply, when returned to normal, the power automatically connected.
- The e-bike maximum load (including rider weight) 150Kg. Don't overload.
- Try to use energy saving gear when driving on muddy or rough road.
- When the discovery of electricity and can not drive, should turn off the power ride, so as not to damage the electrical equipment.

4.Battery disassemble

(1) Open the battery box lock on the battery box.

(2) Pull the handle of battery box and remove the battery box.

(3)After charging, put the battery box in the seat, put it on and lock it.

5.How to start the e-bike

(1) Hold "M key" for 3 seconds.At this point, the power indicator light or instrument screen light, indicating that the power is connected.

(2) Inward (counterclockwise) rotation speed control (right hand handle).The e-bike started, speed rotation of the low angle, also will speed from slow to fast.

(3) If the e-bike with PAS function,when the gear wheel run, the bike will also start operation.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

WARNING – Risk of Fire and Electric Shock – Replace Only With Same Type and Ratings of Fuse

1.GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

* Unless otherwise indicated, the text of all instructions shall be in the words specified or words that are equivalent, clear, and understandable. Substitution of the signal word "DANGER" for "WARNING " is allowed, when the risk associated with the device is such that a situation exists which, if not avoided, will result in death or serious injury. For other than the signal words " DANGER" and "WARNING," if a specific conflict exists in the application of such wording to a device, modified wording is allowed.

MOVING AND STORAGE INSTRUCTIONS

1. Leave it indoor when charging or not riding.
2.Prolonged Exposure to UV Rays, Rain and the Elements May Damage the Enclosure Materials, Store Indoors When Not in Use
3.This equipment is not intended to be used at ambient temperatures less than -10°C (14°F) or above ambient temperatures of 45°C (113°F);
The battery is intended to be charged when the ambient temperature is between 0°C (0°F) and 45°C (113°F). Never charge the battery when ambient temperatures are outside this range.

TROUBLESHOOTING

Fault	Methoc
When the electric indicator is all bright,use the throttle,but the e-bike does not start.	1. Check the battery and battery box seat is consistent,the battery box lock is locked. 2. Check whether the fuse well the fuse is burnt, themotor does not turn, replacing the dissolved core for the same specifications of spinning.
The display bright,using throttle,but e-bikenot start.	Check the controller wire connecting.
After a pause,using throttle,the e-bike notstart.	Check whether the brake is still in automatic power-offstate.
When charging, the power supply is connected, the light does not shine.	Check the power supply for electricity.
When charging,the power supply is connected,the green light is on,and all redlight on.	Please check the charger plug whether plug well withpower supply.
If the above conditions are normal, it belongs to other faults.At this time, please send it to our customer service department or special dealer, and be repaired by professiohals.	

Fault	Analyze	Troubleshooting
The display is notlighted, motor not working	Battery is under voltage	Charge the battery
	Battery is dead	Charge the battery
	Power lock broken	Change the power lock
After the power lock is opened, the motor can not operate at high speed (speed)	Adjust the connection of throttle and controller	Re-connect
	Components of controller damaged	Change a new controller
Motor sometimesturn,some times not turn	Battery connect not well	Adjust the battery connector
	The power lock damaged	Change the power lock
The running range shorter	Battery cycle life end	Change battery
	Battery voltage not match	Battery maintenance or change battery
Battery can not change or charge fully	Battery cycle life end	Change battery
	Changer without output	Change charger
	Charger not contact well to the charging socket	Change the charging socket
The headlight not working	The headlight switch broken	Change the switch
The components of controller burned	The controller is flooded, short circuited,burned out	Change controller

In view of the above reasons, our company puts forward the following suggestions:

- According to the standard debugging brake system, so that the braking system in the most standard state of work (front brake rim from the distance of not less than 2mm, after contracting flexibility)
- According to the standard, the air pressure of front and rear tires should be 280--450 Kpa.
- E-bike may not be higher than the normal load (including rider weight) 150kg.
- Under the premise of ensuring safety, driving should minimize frequent braking,start, the instantaneous acceleration of waste electric energy; when the rider at therestart, climbing, please use pedal to save energy; when the vehicle has just started,with pedal power and slow speed, avoid starting can save energy in order to improve mileage.

Highly recommended to following up local traffic law to use your electric bike.VTUVIA is not responsible for any loss caused by violation or speeding.

Repair Contact Information – tech@vtuvia.com

VTUVIA

PEDAL FOR LIFE

18+ ONLY

CHILDREN UNDER THE AGE OF 18 ARE NOT ALLOWED TO RIDE