



CC2 MANUAL

Tips: Please read the manual carefully before operation. Do not use the electric bicycle before you know the performance of the electric bicycle. Please keep the manual properly!

CONTENT

Preface	1
Safety Warning	2
Precautions for safe driving	3
Use of meters	4
Mirror installation tutorial	5
Handlebar installation tutorial	6
Remote control user guide	7
Installation guide	8
Drive correctly	10
Inspection and maintenance	12
Common faults and exclusion	17
After-sales service and warranty scope	25
Overall structure diagram	Cover Three

Overall structure diagram



- | | |
|-------------------------|------------------------|
| 1. Meter | 8. Front wheel |
| 2. Turn the brake lever | 9. Tires |
| 3. Standpipe | 10. Cushion |
| 4. Folding buckle | 11. Children's cushion |
| 5. Led headlights | 12. Shock absorber |
| 6. Front fender | 13. Rear mud board |
| 7. Fork | 14. Motor |

Preface

Dear user friend: Thank you for choosing to buy Yidi products, Yidi Technology Co, Ltd. sincerely appreciates your choice.

This manual introduces you to the structure, accessories and use functions, precautions and maintenance content of Yidi electric vehicles, which can be easily operated and ensure your safe driving.

When you are unable to solve the problem or replace parts by yourself, please contact the sales store to purchase standard parts. When purchasing our products, please fill in the "User Registration Card" in full so that we can contact and serve you in time.

Yidi electric bicycles accompany you to travel safely and bring you a free and convenient life. We will faithfully provide you with convenient, timely, fast and satisfactory services.

Please read this manual carefully and follow the regulations and instructions.

Production license: XK16-002-00305

Safety Warning

In order to ensure the safety of the vehicle, it is strictly prohibited to remove the electrical insurance of the vehicle by yourself!

If the insurance is removed privately, the whole vehicle will lose a short circuit, which will bring safety hazards and malfunctions. The company does not provide three guarantees.

Children cannot access electric vehicles without adult supervision.

Do not touch the position of the battery port and the position of the charger interface with metals and conductors.

Lift the battery when charging and place it in an open and ventilated place.

Do not overcharge for a long time when charging the battery, 6-8 hours is the best time.

Whole vehicle that is not used for a long time is guaranteed to be charged once in 10-15 days to prevent the plate from flowing.

When installing the battery, you should pay attention to 1. When the series connection has no terminal, it must be soldered firmly with a soldering iron. 2. The series connection is in the state of a round hole terminal. The spring pad must be added when the screw is tightened.

Avoid long-term exposure to the sun or rainforest, and keep away from combustibles when charging.

When adjusting the handlebar, the height should not exceed the safety mark of the riser.

When installing the pedals, the left and right sides cannot be reversed.

Check whether the safety hook of the front wheel is installed in place, and the nut should be tightened.

Check whether the crank nut has been tightened and the tightening torque is 30N.m

Check whether the flywheel has been tightened in place. The tightening method: hold the brake lever firmly with your hands and step on the pedals to tighten the flywheel in place.

Battery wiring diagram

In order to create a safe and orderly traffic environment, please abide by traffic laws, pay attention to driving safety, and achieve safe and civilized driving

maximum speed of driving an electric vehicle shall not exceed 15km/h.

Please do not lend it to unfamiliar and unskilled drivers for fear of injury.

It is strictly forbidden for people under the age of 16 to drive electric bicycles on the road.

Avoid driving at high speed when driving in rain or snow, and be especially careful when steering.

carrying box carries less than 2kg, and the handles over 2kg are prone to shake and travel danger.

NOTE:

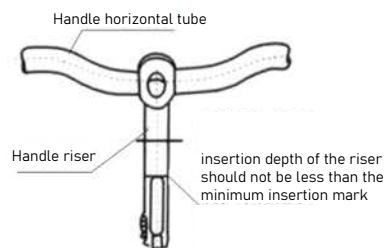
Except for the specified location, no other parts can carry anything
Do not stuff cotton gauze and other items next to the motor
Do not place items under the cushion

Inspection, cleaning and maintenance before driving

NOTE:

When washing the car, do not directly pour water on the brake, motor and front and rear axles to prevent water from affecting performance and life.
When washing the car, do not use steam or high-pressure water pipes

When adjusting the height of the handlebars and saddles, do not exceed the minimum insertion depth mark on the riser and saddle tube. After adjusting the horizontal tube, the riser, the saddle, and the saddle tube, pay attention to tightening. The recommended torque is 18N. m



Use of meters

1. Power indicator: the light is on when the power is turned on, the power is turned on

2. Voltmeter: Turn on the power switch, the position of the pointer of the voltmeter indicates the capacity of the power supply. When the pointer is on the lower edge of the green, the battery capacity is about 60% of the rated capacity, and when the pointer is on the lower edge of the yellow, the battery capacity is about 40% of its rated capacity. When you find the pointer is close to the yellow edge, please charge it in time.

3. Undervoltage indicator light: When this light is on, it means the battery needs to be recharged, please replenish it in time.

Use of switch

1. The power switch ON key is connected to the power at this position to start the motor. OFF cuts off the power, the motor stops, and the key can be removed to prevent theft

Note: When you leave the car, please add an anti-theft lock



2. Headlight switch, press the headlight switch, the light will be on, and press it once to turn off the light.

3. Speed control handle, rotate counterclockwise to accelerate, clockwise to decelerate, relax and reset, the motor stops rotating.

4. Horn switch, the power switch is in the ON position, press the horn button to sound.

Check before driving

Tire inspection

1. Judge whether the air pressure is appropriate. If the air pressure is abnormal, check with a tire measuring device and adjust to normal pressure.

Remote control user guide

1. Lightning button: Double-click twice to start the electric bike remotely without a key.

2. Unlock button:

a: In the remote control mode, click once to lock the bike;

b: When the anti-theft mode is turned on, click once to unlock;

3. Lock key: When the bike is parked and not in use, click the lock key once to activate the anti-theft alarm mode, and an alarm will be issued when someone touches



Lock key

Unlock button

Lightning button

Mirror installation tutorial

1. Unscrew the screws at both ends of the bike head (as shown in Figure 2) with a hexagonal wrench



figure 1



figure 2

3. Place the mirror (Figure 3) with the golden screw on the top and the black screw on the bottom, and tighten it clockwise. (Figure 4)



figure 3

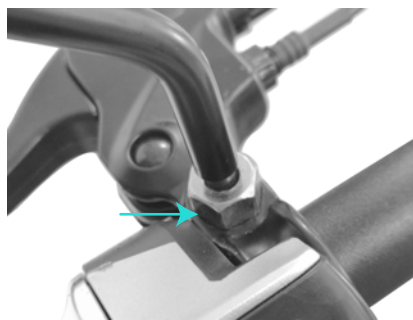


figure 4

Handlebar installation tutorial

2. The handlebar must bring accessories (as shown in Figure 1), and fix these two in the handlebar tube (Figure 2);



figure 1



figure 2

4. Put the fixed parts into the body, turn the front and handlebars upright, and tighten the screws with a hexagonal wrench (see Figure 3);



figure 3



5. Lift up and close the handlebar and close the fold-ing buckle.

6. need to connect the wires before using

Normal air pressure is 125KPa for the front wheels and 175KPa for the rear wheels

2. Whether the tire is cracked or abnormally worn
3. Whether there are nails, stones and glass in the wheel

NOTE:

The tire pressure is abnormal and the tire is cracked. Injury and abnormal damage are the causes of poor steering and tire burst

4. The depth of the tire grooves, the tire should be replaced when the convexity on the tire has worn out 2/3

Inspection of lighting device and turn indicator

1. Turn on the power, operate the lighting switch, check whether the front light and tail light are on, and whether the front light beam is normal.
2. Check the front, rear and brake levers separately to see if the power is off.
3. Operate the turn signal switch to check whether the turn signal indicator is working normally.
4. Check whether the lighting device is damaged. In order not to affect driving, please check carefully.

Dirt and damage of reflector and license plate

1. Check the reflector for dirt and damage.
2. Check whether the license plate is installed firmly, whether the number is clear, whether there is dirt or damage.

Handlebar and front and rear wheel inspection

1. Swing the handlebar up, down, left and right, whether there is any looseness.
2. Whether there is too tight.
3. Whether the handlebar is bumping, or if the handlebar is loose or bumping, please contact the dealer in time.

Drive correctly

Start method

1. Turn the power switch to the ON position, whether the light is on, whether the switch is working, whether the horn is sounding, and whether the gate switch is normal
2. When the motor starts, the car slowly rotates the speed control handle inward, and the car will move and accelerate slowly

DANGER:

After the rear wheel has landed, people cannot turn the speed control knob until the car is stable

Use of brake

1. Do not brake or steer sharply, the main factors that will cause sideslip or rollover.

Precautions while driving

1. The operating safety of a two-wheeler has an impact on the seating position. Please always keep the middle of the saddle when sitting.
2. When the road is damaged, drive slowly and pay attention to observation.
3. When the road area water exceeds the lowest position of the outer edge of the wheel motor, do not ride in the water to avoid performance failure of the motor.

Battery charging and maintenance

1. This car uses maintenance-free acid batteries, which are used in the temperature range of -15°C to 45°C . Too low will reduce the effective capacity, and too high will affect the service life.

NOTE:

1. If the fuse insertion part is loose, it will cause the fuse to heat up
2. When replacing the blown fuse, replace it according to the specified model
3. Using a fuse exceeding the specified capacity will cause the main wiring harness to heat up or burn out
4. If the fuse is blown out immediately after replacement, the accidental cause of the fuse should be considered

Charger usage and maintenance

1. Carefully check whether the rated input voltage (AC220V) of charging is consistent with the grid voltage.

2. Please connect the input and output plug of the charger to the charging jack of the battery first, and then connect the input plug of the charger to the AC power supply.

Notes on charging

1. When charging, please place it in a safe place out of the reach of children.
2. It is strictly forbidden to use it without fully charged.
3. Do not charge with other brand chargers.
4. Don't pull the plug with wet hands when charging.
5. Be sure to close the electric door lock when charging.

Motor and controller use and maintenance

1. Regularly check whether the screws at both ends of the motor are loose.
2. Regularly check the insulation of the motor wiring and the casing.
3. Regularly check whether the fuse is loose.
4. Regularly check whether the wiring of the controller is loose.

Inspection and maintenance

Pay attention to safety during inspection

1. Choose a spacious and flat place to support the main support.

2. When driving inspection is required, it must be carried out in a safe place.

3. Check and find abnormalities, and then drive after solving the abnormalities.

Operating part inspection

1. Whether the front fork is damaged, shake the handlebar up and down to check for abnormal noises caused by the front fork bending, if the front fork is abnormal, please go to the dealer for inspection and maintenance.

2. Whether the brake free gap is within the specified range (10-15mm), if the brake shoe is seriously worn, replace it in time.

DANGER:

After the brake is adjusted, be sure to tighten the brake wire fixing bolt to prevent danger when driving, and at the same time, keep the power off before braking

3. Driving at low speed on dry roads, use the front and rear endpoints to check the respective braking effects

DANGER:

When holding the brake lever, if the effect is still not achieved, you should adjust the distance between the brake shoe and the rim. Increase the braking distance when riding in rain or snow

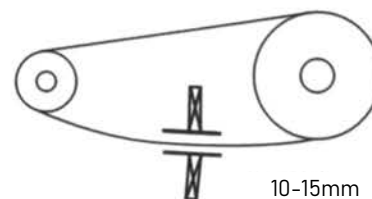
4. When the tire is cooled down, check with a tire pressure gauge.

DANGER:

One of the reasons why tire pressure is abnormal, cracked, damaged and abnormal wear causes poor steering and tire burst

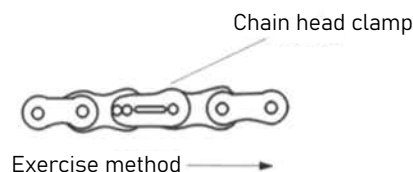
5. Adjustments to models with chains

The adjustment chain must also keep the front and rear sprocket aligned to become a straight line. After adjustment, re-fix the rear axle nut, lock the adjustment nut, and finally check that the center of the two sprocket looseness is 10-15 mm.



DANGER:

Check and adjust the chain before driving. Excessive slack in the chain may cause accidents or serious damage to the chain.



Pay attention to the open end of the chain clip and install it backward

Tire groove depth

1. Check the tire wear, check the depth of the grooves, and wear out 2/3.
 2. The tire bumps should be replaced with new tires.
- When the tires are abnormal, please go to the dealership to check or replace with new tires.

Check the battery fluid level

1. This car uses a sealed battery that does not need to be repaired, and there is no need to check or replenish battery fluid. If you feel abnormal, please check at the repair station.

NOTE:

Because it is a closed type, the battery must not be disassembled. If it is not used for a long time, the power will gradually decrease due to natural discharge. Therefore, the battery should be removed and stored. If it is stored in the car, the power should be disconnected.

Check the lubrication status of various parts of the body

1. Check whether the amount of lubricating oil added to each part of the body is sufficient, whether the operation handles are flexible, if not flexible, add appropriate No. 20 engine oil to the rotation center axis of each tensioning line, and drip it with an oil can. But do not prime oil in electrical switches.

Adjustment of the rear brake system

1. Check the left brake lever, the method is the same as that of the front brake lever.
2. Adjust the adjusting nut until the requirement is reached. If the adjustment is invalid, loosen the nut on the brake rigid wire fixing seat and tighten or loosen the wire until the requirement is reached.
3. If only using the above method to adjust is not ideal, you can also adjust the gap fine-tuning screw at the same time to ensure the same gap on both sides of the internal brake block. Use several methods to adjust.
4. Directly adjust the adjusting nut for models with rear drum brakes.



Maintenance of flywheel

1. When the flywheel is not flexible, it can be cleaned with kerosene and lubricated regularly, and cleaned once within two months in summer and three months in winter.

Common faults and exclusion

Number	Common Faults	Causet	Method
1	Speed regulation failure or low speed	(1) The battery voltage is too low; (2) The speed control handle is continuously loosened; (3) The spring in the speed control handle is stuck or fails.	(1) Fully charge the battery; (2) Clamp after recheck; (3) Find the supplier to replace the spring.
2	Power on, the motor hub does not work	(1) The battery wiring is loose; (2) The left and right brakes fail when the power is off; (3) The motor hub wiring plug is loose or damaged.	(1) Repair and reconnect; (2) Repair and reinstall; (3) Find a professional repair station for repairs.
3	Insufficient mileage after one charge	(1) Insufficient tire pressure; (2) Insufficient charging or charger failure; (3) The battery is aging or damaged; (4) There are many uphill, high headwinds, frequent brakes and heavy loads.	(1) Sufficient gas; (2) Whether it is fully charged or the charger plug is badly connected; (3) Replace the battery.
4	The charger does not charge	(1) The charger socket falls off or the connection between the plug and the socket is loose; (2) The fuse in the charger is blown; (3) The main battery wiring is off.	(1) Tighten sockets and connectors; (2) Replace the fuse; (3) Weld the connecting wire.
5	Other failures	(1) When you encounter failures that cannot be rectified by yourself or failures that cannot be determined under the above guidance; (2) When the motor hub, controller, charger, and battery pack are damaged.	In the case of the above, please contact the supplier or repair station, and do not open the above components without authorization. Otherwise, the company's warranty commitment will be lost.

The main technical parameters

Dimensions:	1120*540*630MM
Voltage:	48V
Charging Time:	6-8H
Range Per Charge:	35-38km
Max Speed:	25-30km/h
Motor power:	400W
Climbing Capacity:	25°
Battery:	48v Lithium Battery
Tire Size:	10"
Max load:	120kg
Charger:	48V 2A
Suspension:	Front + Rear
Color:	Black/White/Pink

After-sales service and warranty scope

Dear user: Thank you for using the electric bike produced by our company.

To protect your legal rights, please keep this manual properly. When you use this vehicle, please inspect and debug it on the spot and have the right to ask the salesperson to provide correct operation methods and maintenance items, provide a valid purchase certificate and warranty card, and the address and contact number of the warranty unit.

Correct use and maintenance of main components

Motor Ordinary motor adopts high-efficiency and energy-saving rare earth neodymium-boron permanent magnet material, outer rotor directly drives wheels, gearless transmission mechanism, reliable structure, beautiful appearance, large starting torque, small current, strong climbing ability, high efficiency and energy saving, Long life, low noise and other advantages.

The motor usually does not require special maintenance, but it cannot be driven in deep water. After normal use for about 12 months, please go to the local dealership, repair center, and special service station for maintenance. Special note: When using in rainy weather, the motor should not be driven in deep water, let alone the water surface beyond the position of the rear wheel center axle; during your use, pay attention to check the firm state of the electric wheel hub mounted

on the rear flat fork. If the nut is loose, tighten it in time or ask professional service personnel to check and deal with it.

2. Controller The controller is the control center of the electric system of electric vehicles. The system includes motor drive, battery undervoltage/overcurrent protection, brake power failure, power display, stepless speed regulation, ACS, constant speed cruise, 1:1 assist, etc.

Features, the controller adopts the imported high-performance single-chip microcomputer control chip, samples the sensor signals in time through the components, and issues work instructions through program processing. High efficiency, balanced starting and rapid acceleration. Make your riding feel stable and comfortable. It is your best condition to use under various conditions and achieve the purpose of safe driving.

3. Battery This bike uses a sealed lithium battery, which has outstanding advantages such as large capacity, long life and no pollution. At the same time, the service life of the battery is closely related to your correct use. For this reason, we cautiously warn users. When using this bike, please pay attention to:

*The new bike purchased may have insufficient battery power due to the transportation,

and storage for a certain period of time. Please be sure to fully charge the battery (the recommended charging time for the first charge is not less than 10 hours) before using the electric drive.

*When riding each time, do not use the electric energy to the lowest allowable voltage. If it is sufficient in time, the battery may serve you for a longer time. Therefore, it is very important to develop the habit of charging in time every day, especially if it is used to the lowest voltage without charging for a long time, it will cause great damage to the battery and shorten the life.

*The battery is affected by the ambient temperature. The operating temperature of the product is within the range of -15°C ~ 45°C . When the temperature is too high, it will affect its service life, and if the temperature is too low (below -15°C), it will reduce its effective capacity by 20%-30%. It is recommended that after riding in winter, the battery part should be brought into a warm indoor environment at about 10°C for charging or storage.

*If you do not use the electric scooter for a long time, please ensure that the battery is recharged once in 10-15 days, otherwise the long-term storage will seriously shorten the battery life.

4. Charger This bike is equipped with a fully automatic intelligent charger,

which is a key component for replenishing energy to the battery. It adopts a three-stage pulse charging method. There is no need for special supervision during charging. It can be easily charged wherever there is a 220V AC power supply.

When charging, the charger should be placed in a cool and ventilated place, and it must be far away from the cloakroom or fire source. Never let the charger enter the water or melt at high temperature to avoid accidents caused by damage to the charger. After fully charging, first connect the plug on the AC power source, and then unplug the plug connected to the battery.

The charging indicator has two or two colors, and the connection line will display two red or red, indicating that it is charging. One of the red to green indicates that the battery is basically fully charged and enters the low-current "slow charging" maintenance state. At this time, it is best to continue charging for about 1-2 hours, but the maximum continuous charging time should not exceed 10 hours. (If the charger does not turn on after 10 hours of continuous charging, please stop charging immediately and send it to your local dealer or after-sales service station for repair).

*Important tips and advice for charger safety precautions.

1. When you charge the battery, you must use the company's original charger; otherwise the company will not be responsible for any damage.

2. Don't put the charger in the tail box with the car.

The charger will be damaged due to vibration and humidity.

3. Please do not modify the car body, cables, electrical components and other related structural performance of the bike privately; unauthorized changes to the parameters of cables and electrical components will cause the performance of the whole bike to decline or the failure of electrical performance and other situations to occur. Shorten the service life of the bike, and the performance cannot be effectively guaranteed; the company will not be responsible for the responsibilities and losses arising therefrom, and the user will bear it.

Warranty scope and period (the warranty period and the warranty period after replacement parts mentioned in this manual are calculated from the date the customer buys the bike).

1. Special reminder: The company is only responsible for authentic batteries with "dedicated" or company-selected ones, and the company does not provide three guarantees for non-"dedicated" batteries.

2. Scope and period of parts warranty

Part Name	Service Term	Service Content
Motor parts	12 months	Ordinary motor warranty 12 months
Battery parts	12 months	The battery capacity is normally attenuated by more than 50% (except for human factors). Within 6 months, the damaged battery can be sent back for inspection and repair, and the battery can be replaced (except for special batteries)
Frame	12 months	Welding, desoldering, and fracture can be replaced, but will not be replaced due to impact or unauthorized modification
Front wheel	6 months	Cracks, weld collapse, and bearing outer diameter can be replaced if it is severely out of diameter, but not due to improper use or impact
Tire	3 months	Exposed lines and worn tires caused by quality problems can be replaced (normal wear and tear, man-made damage, no warranty)
Rear armrest Feet	12 months	Welding, desoldering and fracture can be replaced
Cushion (saddle)	6 months	The leather is aging, broken, and the bottom plate can be replaced if it is broken, and it is not replaced if it is overweight or damaged
1:1 power sensor	3 months	It can be replaced because the signal sensor fails, and the line will not be replaced if it is changed manually
Main harness Negative line	12 months	Short circuit caused by cable quality problems can be replaced, self-modified and not replaced
Bottom axis Saddle tube	3 months	Broken or deformed due to quality problems can be replaced, but not due to human factors or impact
Flywheel	3 months	can be replaced due to the quality problem and the card can not be replaced. It is not replaced due to lack of oil or improper use.
Charger Controller	12 months	Performance failure cannot be recovered, can be replaced
Lamps Rear view light	3 months	Poor condensing effect, natural breakage can be replaced (three bulbs are not included)
Front fork handlebar shock absorber	12 months	Welding, desoldering, fracture, and serious oil leakage can be replaced, but not replaced due to human factors
Front drum brake Rear drum brake	6 months	The drum cover can be replaced due to the broken material, and the brake skin of the brake is not included in the three packs
Flasher, horn, anti-theft device, lock set, instrument, brake lever, speed control lever	6 months	Performance failure cannot be repaired

3. Does not belong to the scope and content of the "Three Guarantees"

Serial number	Does not belong to the scope and content of the warranty
1	Failure caused by the user's failure to use, maintain and adjust according to the instructions
2	The damage caused by the user's man-made damage (cutting the thread), self-refitting, dismantling and repairing, self-decomposition, the original damage of the fault, the fault that cannot be technically identified and analyzed
3	Failure caused by improper use, storage or accident
4	Vehicles without warranty cards, invoices, and inconsistent items
5	Parts that are not in the " Warranty scope and period " table are not covered by the warranty
6	Self-demolition parts outside the scope specified in the instruction manual
7	Damage caused by force majeure (such as flood, fire, earthquake, lightning strike, chemical corrosion, etc.)

4. Additional explanation

The company is still responsible for repairing the faults outside the scope of the warranty and the main components after the warranty period, and the cost will be charged according to the replacement of the accessories.

After the warranty period expires, the company will supply the battery at a preferential price, but the old batteries must be recycled one by one and returned to the battery manufacturer to avoid environmental pollution. If you are not satisfied with the dealer's service attitude and service results, and product suggestions and comments, you can call the after-sales service department.

For your bike, please maintain it in time



CAUTION

Do not throw away used batteries at will to avoid environmental pollution.

The waste batteries of this product are recycled by our company, dealers, or government-designated outlets.