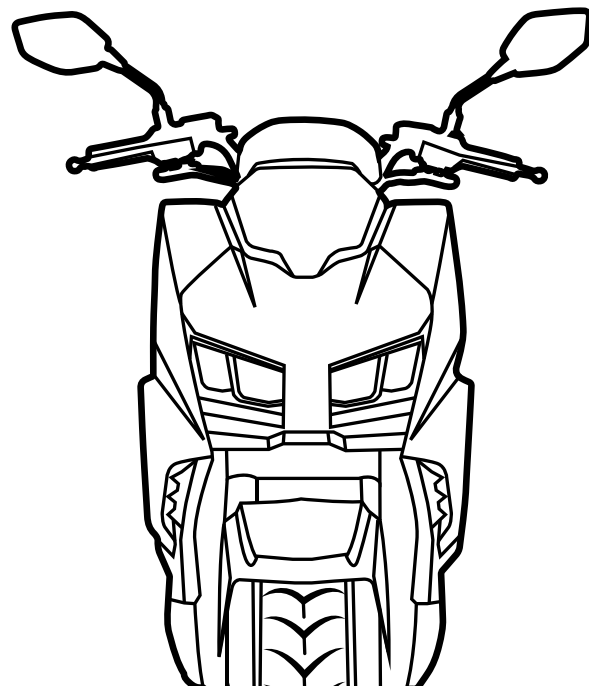




XIAO DAO EV
XIAODAO ELECTRIC VEHICLE CO.,LTD.



MODEL: YING
Owner's Manual

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01 USER INSTRUCTIONS

We would like to congratulate you on your purchase of a XIAODAO electric vehicle. We are delighted to offer you our high-quality products, which promise to provide a unique experience. This manual will provide you with a basic overview of YING. To ensure a safe ride, we recommend that you carefully read through the detailed pages of the product manual and fully understand the relevant content. If you have any additional inquiries, please do not hesitate to contact our support team.

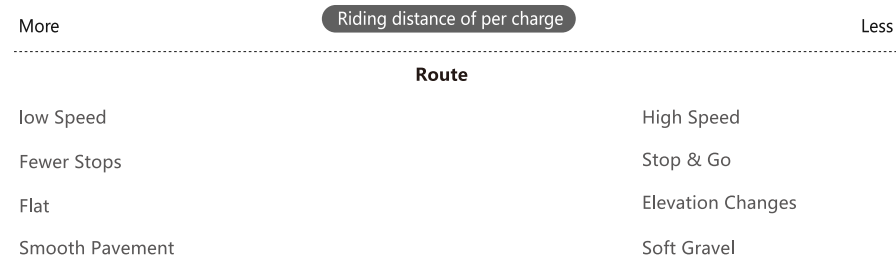
02 SAFETY INSTRUCTIONS

Please always follow the requirements below:

- The electric vehicle shall be used for reasonable and prudent driving by trained individuals who hold a driving license required by local laws and regulations in highway traffic.
- Please make sure to use the safety equipment required or recommended by local regulations before riding.
- Please strictly abide by local laws and regulations when using this product.
- Do not drive under the influence of alcohol or medicine.
- Before each ride, please check the basic product functions, including but not limited to lamps, brakes, tires, etc. If they do not function properly or you hear abnormal sounds, please do not use the product, and contact the service center for repair as soon as possible.
- Please do not modify the electric vehicle. The use of non-original parts or components may cause safety hazards and damage to the vehicle.

03 PERFORMANCE

The way an electric scooter functions differs significantly from vehicles that are powered by gasoline engines or human effort. Therefore, it is crucial to have a thorough understanding of how the YING electric scooter operates before you begin riding it.



Rider

Modulated Riding
Streamlined
Reduced Cargo

Aggressive Riding
Fully Upright
Heavier

Weather

Warm Weather
No Wind
Dry Roads

Cold Weather
High Head Winds
Slippery Roads

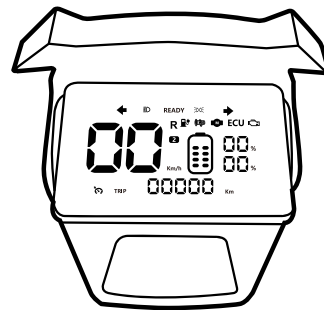
Scooter

Inflated Tires
Balanced Power Pack

Underinflated Tires
Unbalanced Power Pack

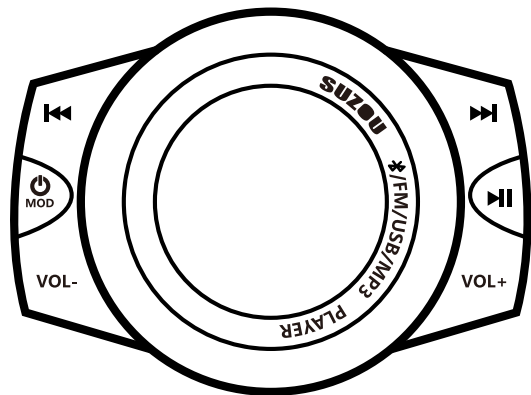
04 DESCRIPTION OF COMPONENTS & PARTS

Diagram of Components



- ← Left direction indicator
- Right direction indicator
- High beam indicator
- READY** READY indicator
- Width lamp indicator
- Cruise control
- ECU** Electronic control unit
- R** Reverse
- Malfunction indicator light
- TRIP** Single trip mileage
- Battery charging hint
- Handle failure indicator
- Motor failure indicator
- Speed display
- Remaining battery indicator

Diagram of Bluetooth



-  PREV
-  NEXT
-  POWER
-  PLAY/PAUSE
- VOL-** VOLUME DOWN
- VOL+** VOLUME UP

Battery capacity

To show the amount of energy left in the power pack, a gauge is provided which works similarly to a fuel gauge in a gasoline-powered scooter.

High beam indicator

When the high beam of the headlight is turned on, a light appears and stays on until the high beam is switched off.

Left direction indicator

If the turn signal switch is activated for a left turn, an arrow flashes until the turn signal request is canceled.

Speedometer

The digital display indicates the speed in kilometers per hour (km/h) or miles per hour (mph).

Low beam indicator

Similarly, when the low beam of the headlight is turned on, a light appears and stays on until the low beam is switched off.

Right direction indicator

If the turn signal switch is activated for a right turn, an arrow flashes until the turn signal request is canceled.

Time display

The clock displays the riding time of a single trip.

Drive mode

The current speed mode you have selected is shown here.

Total distance

When the ignition is turned on, the gauge initially displays the total distance the scooter has traveled in kilometers or miles (ODO) for the first 10 seconds, and then displays the distance of a single trip in kilometers or miles (TRIP).

Before Starting the Engine/Motor

- **Tires**

- ① Make sure the tread depth at the center of both tires is at least 1/8 inch.
- ② Inflate both tires to the pressure indicated on the tire sidewalls.
- ③ If the tread is less than 1/8 inch at the center of the tires, replace them.

- **Throttle**

- ① Ensure that the throttle grip can return to cut off power smoothly.
- ② Check for any frayed or damaged cable housing and replace them to avoid electric shock.
- ③ Clean out any mud, debris, or ice in the throttle mechanism.

- **Fasteners**

- ① Check and secure all axle nuts and lug nuts.
- ② Replace any missing fasteners.
- ③ Tighten all other fasteners as necessary.

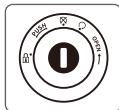
- **Steering**

- 1 Ensure that the steering turns freely.
- 2 Check for proper wheel alignment.
- 3 Lubricate or adjust as necessary as per the Maintenance section.

- **Chassis frame** Check for any bent or damaged components and replace the as necessary.
- **Battery** Ensure the power level is sufficient for riding.
- **Lights** Check for proper operation of the bulbs and replace them as necessary.

It is important to perform the complete pre-ride checklist before operating the scooter to ensure safe and proper operation. Neglecting any item on the checklist can result in severe injury or damage to property for you or others. Therefore, it is strongly advised to follow the entire checklist before every ride.

Ignition by Key



⊗ Power OFF

The OFF position is employed to deactivate the electric system of the scooter, effectively turning it off.



⌚ Power ON

To operate the scooter, insert the key and rotate it clockwise to activate the sequence of actions that occur at this position:

- Lights turn on
- Dashboard turns on



🔒 To Operate the Steering Lock:

Place the key in the OFF position and proceed to turn the handlebar fully to the left. Then, push the key down and turn the key anti-clockwise.



🔒 To Unlock the Steering Lock:

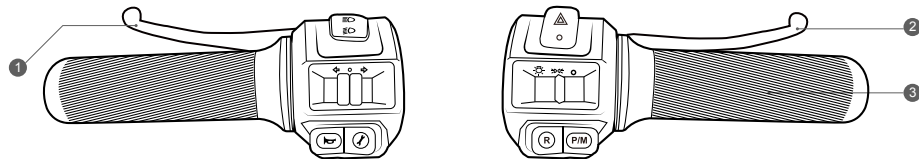
Rotate the key in a clockwise direction.



NFC (Near Field Communication)

Tap the NFC card on the dashboard to activate the vehicle

Brake Levers & Throttle



Rear brake lever: ① Use the left brake lever to engage the rear brake first when stopping.

Front brake lever: ② Gently squeeze the right lever to engage the front brake and avoid locking the wheel.

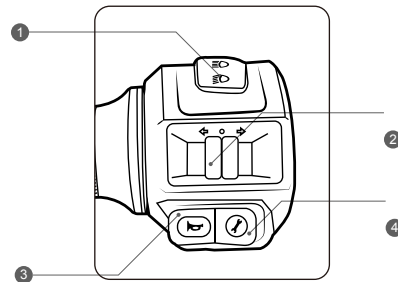
Throttle grip: ③ The rotary throttle grip on the right handlebar accelerates when rotated towards you and decelerates when rotated away, with a safety spring that snaps it back when released.



WARNING!

Exercise great caution when using the front brake to prevent locking the front wheel. Locking the front wheel can lead to a severe accident.

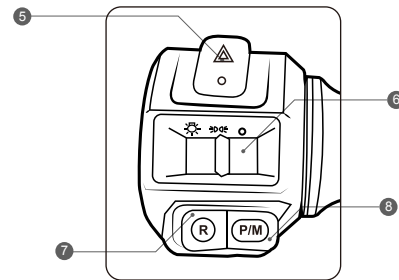
Left & Right Switch



Left switch

- ① High & low beam
- ② Turn signal
- ③ Horn
- ④ Repair mode

If the vehicle malfunctions and becomes inoperable, press this button to enable temporary driving for a limited distance until repairs can be made.



Right switch

- ⑤ Hazard warning switch
- ⑥ Highlight switch
- ⑦ Reverse

Press the "R" button and turn the throttle to move the bike in reverse direction.

- ⑧ Parking/Mode (speed mode)

Switch the vehicle from default parking mode (after ignition) to speed mode (ECO, Comfort, and Sport).

Shutting off the scooter

Always turn off the scooter by using the ignition switch to the OFF position.

CAUTION: Squeezing the brake lever will turn off the motor, but leaving the ignition switch in the ON position may cause battery drainage.

Stopping the scooter

DANGER! Braking on wet, oily, or sandy roads can be less effective and can cause a loss of control leading to a serious accident; hence, it is advisable to reduce the speed gradually.

It is recommended to engage the rear brake first when braking to retain maximum control of the scooter, as most of the stopping power comes from the front wheel.

Parking

To prevent theft, always park the scooter on a smooth and hard surface, using the side stand whenever possible and keeping the key in the lock position. The side stand is combined with a parking stop switch that cuts off the motor's power when released.

Saddle

To open the saddle, insert the key into the handlebar lock and turn it left after shutting off the e-scooter.

Motor safety

Ensure that the throttle linkage area of the scooter is kept clean and free from dirt and debris.

Never start the engine or motor unless you are properly seated with your hands firmly on the controls.

It is important to never modify, adjust, or replace the scooter's motor settings. The motor's governor is set by the factory to prevent damage to the motor. Excessive motor speed can be hazardous to the rider, bystanders, and the motor itself.

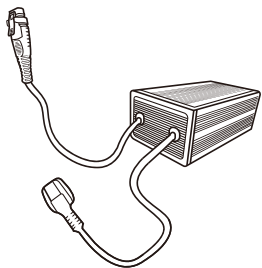
It is important to avoid operating the scooter in conditions where water, mud, snow, dirt, sand, or other debris can enter the throttle wire conduit or the throttle mechanism. If these elements do get inside, they can cause the wire or mechanism to become obstructed or jammed, which can lead to the throttle sticking, loss of control, and potentially result in injury, death, and/or property damage.

Fasteners

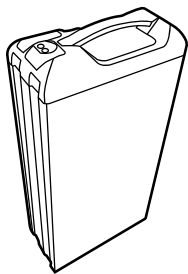
Ensure that all screws, locknuts, and bolts are tightened appropriately, but avoid over-tightening hardware that is intended to move. Tightening moving parts excessively could lead to a loss of control, potentially resulting in injury or even death.

Whenever you remove torque-type locknuts, always replace them with new locknuts of the same type.

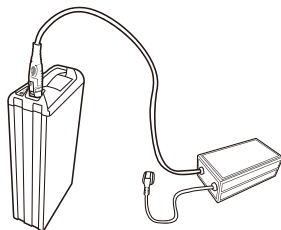
Battery Charging



Before charging the battery, always check the local power supply to ensure it is suitable for charging. It is also important to ensure that the battery charger is compatible with the power supply being used.



Using a non-original battery charger from the manufacturer can be unsafe and may lead to the risk of fire or explosion. Always use a charger that is specifically designed for your scooter and recommended by the manufacturer.



When the state light on the charger turns green, it indicates that the battery is fully charged.

05 THE MANUAL OF SMART CHIP CHARGER

Instruction

- ❶ Use a charger that matches the voltage of your local power supply.
- ❷ Only use the charger for the original battery from the manufacturer.
- ❸ The charger is only tested and matched for use with its specific scooter.
- ❹ Connect the charger to the scooter before plugging it into the power supply and disconnect it when the battery is fully charged. Do not disconnect while the charger is still plugged in.
- ❺ Do not shake the charger violently as it may cause damage.
- ❻ Keep the charger away from water, dust, and high temperatures.
- ❼ Store the charger in a well-ventilated place and away from any flammable items.
- ❽ Keep the charger out of reach of children.
- ❾ Do not attempt to repair any broken wires or shells yourself. Contact a professional repair service to avoid danger and losing the warranty.
- ❿ The charger is designed solely for electric scooter battery charging and should not be used for other purposes.
- ⓫ Failure to follow these instructions may result in a loss of the warranty from the seller.



Usage

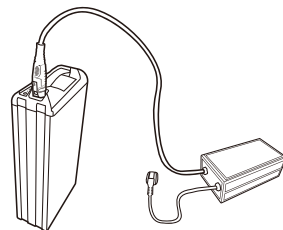
- 1 Switch off the ignition.
- 2 Connect the charger to the charging port on your vehicle.
- 3 Plug the power cord into a local AC power supply of 110V/220V/250V.
- 4 The charger's green light will turn red to show that charging has started.
- 5 Once the battery is fully charged after 4-5 hours, the red light will turn green.
- 6 The charger will automatically disconnect from the AC power supply when the charging is complete.

06 POWER PACK & CHARGING

The battery case under the seat cushion contains a portable power pack that can be charged either while in the scooter or separately outside of the scooter.

Charging on battery

- 1 Remove the power pack from the battery case.
- 2 Attach the charger plug to the power pack's charging socket.
- 3 The charging process is underway when the charging indicators are illuminated.

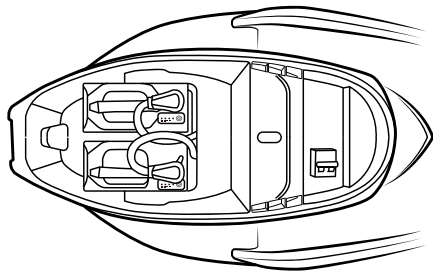


Charging on scooter

- 1 1.Connect the charger plug to the charging socket on the scooter;
- 2 2.The charging is in process if the red charging indicator on the charger are on.

Take the power pack out

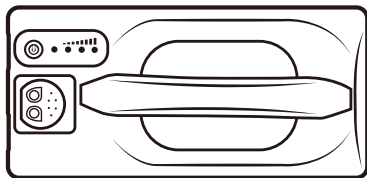
- 1 Insert the key and turn it anti-clockwise to unlock the bottom case.
- 2 Press the lock down until it clicks.
- 3 Remove the plug.
- 4 Take out the power pack.
- 5 Note: You should hear a click when the power is successfully plugged in.



Battery Power Indicator Instructions

The battery, which is situated in the power pack, doesn't need any unique period for breaking in.

- 1 The power indicators will blink while the battery is charging.
- 2 The battery power level is indicated by 4 indicators, with each indicator representing 25% of the battery power. The power pack is fully charged when all 4 power indicators are on.



07 MAINTENANCE TIPS



To improve the longevity and safety of the smart electric bike, it's recommended to perform routine maintenance. Please follow the guidelines below to ensure proper care of your scooter.



To clean the scooter, use mild soap and clean water. Avoid washing or using the scooter in extremely cold temperatures. It is recommended to use soft cloths or sponges to clean the surface. Before cleaning, make sure to disconnect the air switch.



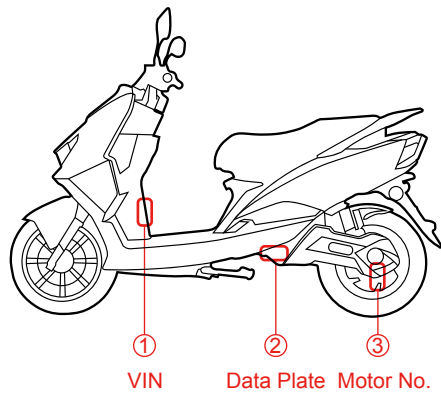
Please do not alter the original design and setup of the scooter provided by the manufacturer. To ensure high-quality work and safety of the scooter, only authorized repair centers or designated dealers should perform assembly, maintenance, and/or repair of the scooter for e-scooter repairs.



To prevent unexpected movement, always turn off the scooter when coming to a stop.

- ① To prevent parts from corroding and reduce service life, park the scooter in a dry, cool room away from sun and rain.
- ② To prevent over discharging during long periods of disuse, turn off the air switch and disconnect the power supply circuit.
- ③ To ensure the maximum life of the batteries, full charge all the batteries every month.
- ④ Fully charge the scooter before use after long-term storage.

Item	Purpose	Rate
Brake	1.Examine the braking system to prevent accidents caused by malfunction.	Daily
Tyre	2.Check the tires for damage and proper air pressure to avoid flat tires or excessive power consumption during use.	Daily
Rim	3.Inspect the strength of the rims and remove any dirt from the bearings to prevent breakage or jamming.	Weekly
Shock absorber	4.Inspect and lubricate the front and rear shock absorbers to prevent them from getting stuck.	Weekly
Ignition&throttle	5.Check the ignition and throttle for any potential jamming or occasional failure.	Weekly
Wire	6.Inspect wire connectors for looseness or damage to prevent malfunctions.	Weekly
Screw	7.Check screw connectors for looseness or damage to prevent malfunctions.	Monthly
Battery	8.Inspect the battery's appearance and cell performance to prevent wire malfunctions and prolong its lifespan.	Monthly
Charger	9.Check the charger wire for damage, braking, offline status, and input and output connectors for completeness and reliability.	Monthly
Lubrication	10.Inspect the front wheel axle and determine if the brake requires lubrication.	Monthly
Cleaning	11.Clean the surface.	Monthly



To perform any warranty work, theft recovery, or ensure consumer safety, the Vehicle Identification Number (VIN) is necessary.
The VIN print can be found at the steering pipe of the chassis frame.