

OTTO SOTORE FLYING PIGEON E-BIKE USER MANUAL



01 Electric Bicycle Maintenance and Safety Advice

Please read the understand the following instructions to ensure the safe use of the vehicle

- Do not modify the vehicle structure and performance, such as changing the battery configuration, boosting rated voltage for the battery, altering the cables connection, increasing the headlight power, adding audio equipment, etc.
- Do not touch the charged parts such as battery port, battery interface, charger plug, etc with wet hand and conductive metal
- Do not short the wires if the fuse is not installed. Please use the specified fuse for fuse replacement
- Ensure the good electrical contact for the fuse and the slot. If not, it will heat the fuse and cause serious accident
- Do not place the inflammable, explosive objects and other dangerous items into the storage box. Low heat resistance, liquid food and sloppy rain gear can not be placed into the storage box either.
- Do not use the charger with other brands and specifications. Use the original charger for this product only.
- Do not expose the battery charger to rainy or wet conditions.
- Do not disassemble the electrical components to avoid mixing other liquid and scrap metal into the charger.
- Charge the battery in a dry and ventilation area away from inflammable and explosive items. Do not charge the charger in the outdoor environment. Do not charge the battery in the humidity or exceeded smoke and dust environment. Do not charge the battery under direct sunlight.
- Do not cover any items on the charger and battery when charging. Do not place the charger on the saddle when charging
- Please connect the output end of the charger with the battery before charging.
- Do not charge the battery for more than 10 hours. Do not use fast charging station for charging.
- Keep the electronic bicycle away from heat source, inflammable, explosive corrosive items and other dangerous goods when charging.
- Turn off the key to shut down the system completely and remove the key when charging.
- Only OTT professional technicians can perform repair and maintenance service.

02 Drive Safety

Please abide by the traffic rules and keep the speed under safe speed (default safe speed will be 20 km/h)

1 Wear a helmet

Use a full face helmet with a face shield that flips up. These give you lots of benefits including:

All around protection

Sun protection (tinted screen and the upper lip physically blocks the sun from your eyes)

Keeps you warm in the winter

2 Use your lights

Put lights on your bike. The more the better. Those dinky reflectors that came on your bike simply aren't good enough.

Use at least one blinking front (white) and rear (red) LED light on your ebike. Even better, put more than one of each. An additional light on your helmet is even better. Spoke lights are great too. Anything that makes you more visible at night will greatly decrease your chances of being hit by a car.

3 Use warning devices

Install both a bell AND a horn on your bike. Bells are for warning pedestrians and horns are for warning cars.

4 Ride on the proper side of the road, with traffic, not against it

This might sound obvious, but a lot of people believe it's better to ride against traffic so that you see cars coming towards you and they can't sneak up and hit you from behind.

Statistically speaking, you have a much higher chance of being hit by a car pulling out onto the road that didn't see you because he didn't check for traffic coming the WRONG way. Stick to riding with traffic and not against it.

5 Take the lane

On an ebike, ride in the lane if you can travel the posted speed limit of the road. Traffic in many urban areas, especially downtown and business centers, rarely surpasses 25-30 mph, and is often much less during peak hours due to stop-and-go traffic. It's much safer for you to ride in the lane with the cars so that they can see you than trying to hug the curb and getting passed by cars.

Also, when cars pull out onto the road, they check the middle of the road for other cars and often miss a bicyclist who is riding on the extreme edge of the road. Giving yourself more space between you and the curb also provides you with room to work with should you find yourself needing to make any sudden evasive maneuvers. Lastly, it removes the chance of getting 'doored' by a parked car, which happens when a parallel parked car opens its door before you have a chance to move out of the way. At low speed these collisions are annoying and result in damages; at high speed on an ebike they have been known to be deadly.

6 Keep your tires properly inflated

Not only does this help you improve your ebike range, but it will also give you better control should you need to react quickly to avoid a collision. Keep your tires topped off so you have the best chance to staving off a crash when milliseconds count. While you're at it, check your tire tread and make sure your tires aren't bald. Worn tires and ebikes are a bad combination due to all that extra power you're packing. You definitely don't want to lose grip with the road when you need it most (or pretty much ever, for that matter.)

7 Be a defensive driver

Most drivers see a bicycle and think "slowpoke" regardless of how fast the bike is actually moving. Years of seeing kids on bikes have seemed to reinforce this bicycle=slow mentality of drivers. This can be a big problem when you're on a fast ebike and the oncoming driver assumes he has time to make a turn in front of you. You might think that he obviously realizes your current speed means he'll never make it, but all he sees is a bicycle and assumes he's got all the time in the world.

This situation happens much more often than you may realize and you want to take electric bicycle safety seriously then have to be prepared for it. I never give a driver the benefit of the doubt and ALWAYS assume they'll take make a bad judgement call about when to make a turn or start slowing down. If I'm wrong then I get left with the pleasant surprise of meeting a competent driver, and if I'm right then I was already prepared to start braking or move out of the way.

8 Watch out for drunks, seriously

Be extra careful on weekends, especially Friday and Saturday nights. This is when the drunks are out in force. As bad as drivers can be on a nice, sunny Tuesday afternoon, Friday night it can be like there is a bounty on your head and the first drunk to get you will claim the prize.

9 Use a mirror

Always try to look behind you or check in your mirror before moving further out into the lane. Compact cars are getting quieter and ever more popular electric cars are nearly silent. You often have no idea a car is coming up behind you and accidentally moving out in front of one is much more common than you might guess.

10 Make eye contact with other drivers, especially at intersections

Many bicycle accidents occur at intersections simply because a cyclist wrongly assumed a driver saw him. Never assume a driver knows you are there unless you specifically make eye contact with him. Even then, keep a healthy amount of doubt – remember tip #7. Intersections are dangerous places for bicycles/ebikes so it's vital that you do everything you can to ensure other drivers know you are there.

Riding an ebike should be a pleasurable experience. Staying safe is your best bet to keep it that way. For a great run-down of the most common ways bikes and cars meet – and how to avoid them.

03 Electric Bicycle Installation

When you receive the delivery, the E-bike installation is almost completed except for front wheel, front brake, pedals stem and saddle.

Install the wheel and the brake

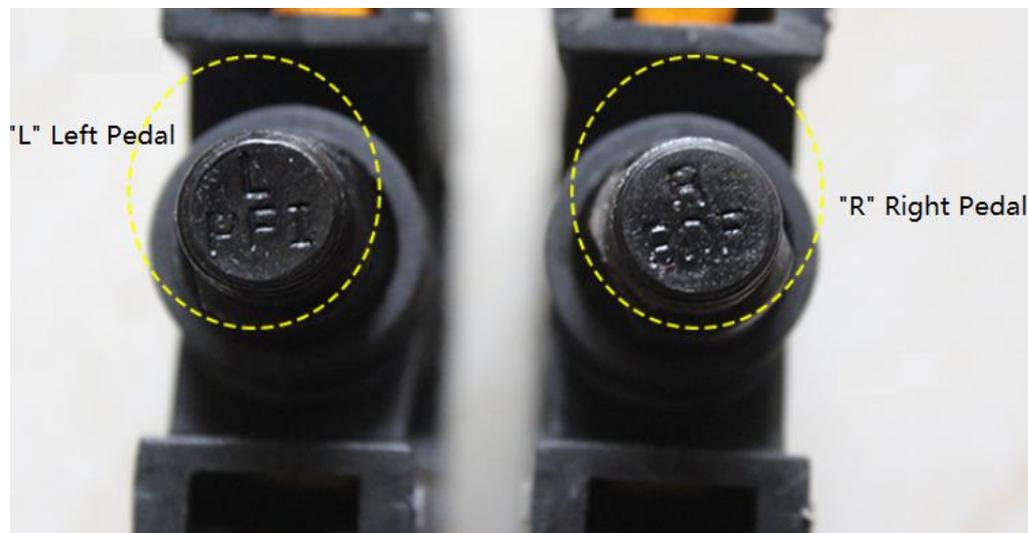


Front wheel installation



Front brake installation

Do not mix up the left and pedal





Adjust the stem and fasten it



Rotate the saddle and secure it

04 Electric Bicycle Questions and Answers

Q1 Battery specifications and installation

There are 3 different batteries used for for FLYIN GPIGEON E-BIKE. Please check the following table for the reference:

Battery	Duration(Pedal Assist)	Duration
48V/8.8A	40km	20km
48V/10.4A	50km	30km
48V/15A	80km	50km

Q2 How to charge battery

Please use the original charger to charge the battery. Unlock the battery (figure 1) by turning the key to "UNLOCK" position (need to push the key inward as instructed in figure 1) and release the battery underneath the rear the luggage carrier (figure 2).



Figure 1



Figure 2

Plug in the charging cable as instructed in figure 3. Press the red button to check the battery level. It will take 6 hours to fully charge the battery.

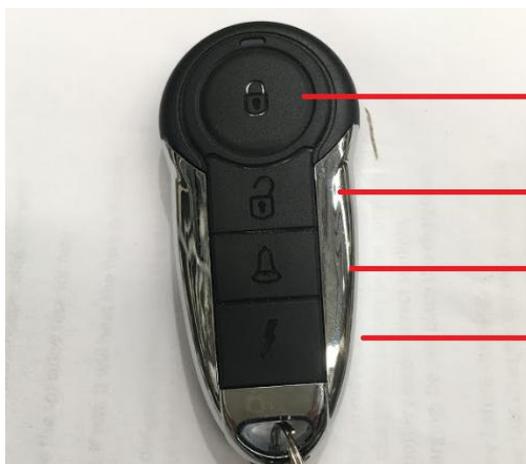


Figure 3

Q3 How to turn on the E-bike

1 Insert the key and turn the key to "on" position (figure 1);

2 Use the remote control (figure 4), press the the "⚡" button to turn on the main power



Press the button to lock the E-bike and activate the alarm

Press the button to de-activate the alarm;
Turn off the main power

Press the button to make sound

Press the button to turn on the main power

Figure 4

Q4 Information display on the control panel

- A. Battery Level
- B. Speed
- C. Temperature
- D. Battery Range
- E. Time
- F. Pedal Assit Adjustment
- G. Phone USB Charging Socket



Q5 Safety and braking

There is a reflector and a warning light installed in the rear to improve the safety for night riding. If you brake the E-bike, the battery will be off automatically.



Figure 5

Q6 Adjust the speed mechanically

You can adjust the speed by turning the shift mechanism as figure 5. Please note that you must adjust the speed ONLY when you are riding the bike. Please adjust the speed level by level smoothly to avoid damage.



Figure 6

05 Troubleshooting

The following are some simple roadside assist tips for electrical problems:

No power (controller lights off). Check the battery is charging and charged, check the battery fuse, check connections, check the key switch. If none of the above it may be your control unit or display depending on the model.

No power (lights on). This means your battery is probably fine and it is likely to be a connector or fuse. Check the return on your e-brakes, check connections to your motor, then connections to your interface (display/throttle) and sensors.

Power cut-out. Check e-brake return, check battery contacts and if black check lock in tolerance, check connections. Before seeking help try to notice exactly when the cut-out occurs, i.e. on a long hill, on a short steep hill, how many miles from last charge, after a bump, immediately after stopping or slowing. This could be an issue with the motor.

Battery not charging. Check the charging fuse, check the charger fuse, check the power supply. Turn off other appliances on the same power board, don't use long extension cables.

Battery cuts out, particularly under load. Check any fuses and connectors, check wiring between battery and motor. This could be an issue with the battery.

Motor noise. Roll backwards to see if the same noise occurs, cycle without power to see if the same noise is still there; check connections especially if you have removed a component recently. Check for sources of friction behind the brake pads and around the wheel.

Motor resistance. Ensure motor wheel is mounted correctly, check brakes are disengaging and set up correctly, check for sources of friction, disengage power and see if resistance persists, roll the bike backwards with the power on – you may have a sticky/rusty brake or hub especially if you've driven through flood water (not advised).