



LAMPOCICLO

USER GUIDE

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Driving functions

Your E bike is normally an approved bicycle, to be used in public traffic or a non street legal version to be employed on private premises only.

The 250 Watt integrated electric motor of your Ebike supports you during pedaling, up to a speed of 25 km/h. You can proceed faster by muscle power, but you should not exceed a speed of over 45 km/h. Your Pedelec provides up to 2 ½ times of driver's power in the hybrid mode, and it will allow you higher average speed and easier hill climbing.

Riders of the Lampociclo must be over 14 years old and possess the physical and mental ability to lead a bicycle safely. Rules for bikes and Pedelecs may vary in some EU countries. Please be aware and comply with the highway code applicable to your region.

Your hybrid bike has all basic functions of a standard bicycle with the addition of an electric motor to provide power when required. To turn on power rotate power key "on" and start pedaling.

If your bike is equipped with a booster button which allows the cyclist to reach speeds of up to 6km/h, this function will stop immediately once the button is released.

To turn off electric motion you have the following options:

- Stop pedaling
- Engage both brakes
- Set the power key to "off"

The motion sensor located behind the gear ring determines the motor support by measuring your pedaling frequency and support mode.

You can choose the support mode (low/medium/high) by switching the three-position button located on handlebar.

- On low support mode and flat ground, a 70kg person can cover up to 70Km on a single charge
- On medium support mode and fully-charged, it is possible to ride at 25Kmh with almost no muscular effort
- High support mode is meant to overcome garage ramps or hill climbing.

Always choose the appropriate gear. Riding at low speed in a high gear will substantially increase energy consumption and cause overheating of the motor. If the gear is sustainable by pedaling alone, it will also be suitable for the motor.

Risks

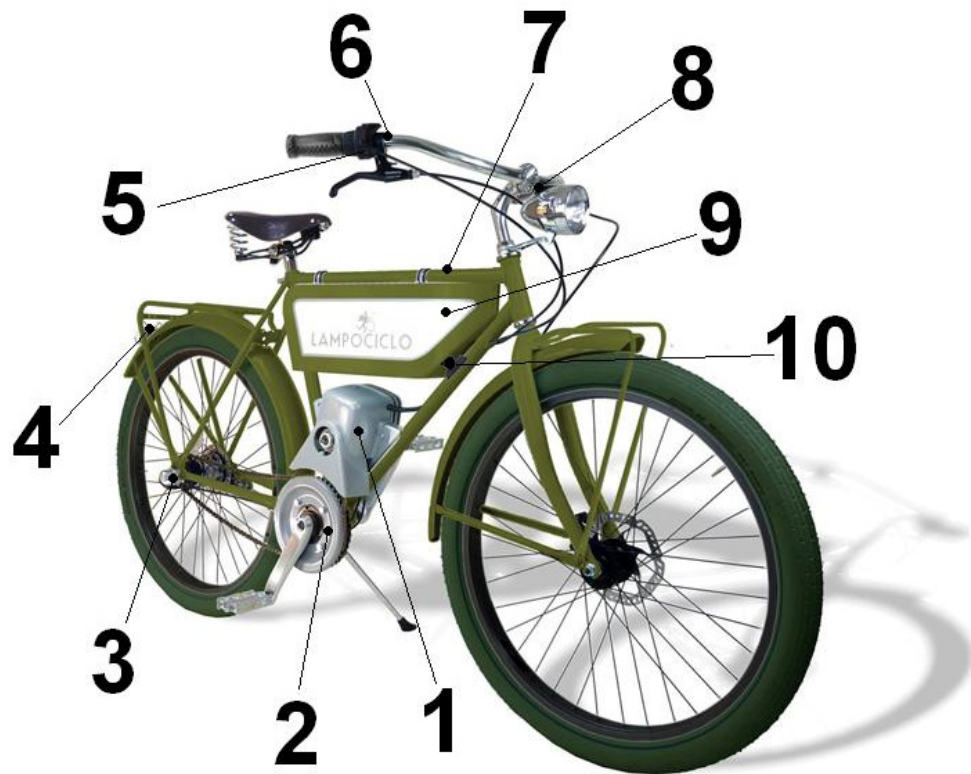
The bike must only be used as intended: for relaxed locomotion and transportation; racing, acrobatics, extreme sports or similar applications are excluded. The product must not be modified, tampered or damaged or operated outside of the described limits. The vehicle also should fit or be adapted to the driver: Handlebar saddle position and appropriate frame size.

Luggage racks and towing loads should only be used on expert/dealer's advice.

IMPORTANT: Improper use of bike resulting in injuries to other people or damage to property is the responsibility of the driver.

Your Lampociclo key points

Note: Lampociclo is a tailor-made product; a feature may become non-standard following any customization requests



- | | |
|---|--|
| 1. Electric motor | 6. Support mode button |
| 2. Motion sensor behind gear ring | 7. Recharge external plug |
| 3. Hub gear actuator | 8. LED front light with independent switch and battery |
| 4. LED rear light with independent switch and battery | 9. Battery compartment |
| 5. Hub gear hand revolving shifter | 10. Extractable power key |

Content of package

The Hybrid bike is supplied 95% pre-assembled in a cardboard box. The box can be used for storage or safe transportation, such as return or repair.

1. Bike; fully assembled pedal excepted
1. Pedals
2. Charger
3. Power and battery compartment keys; normally tied to saddle or handlebar

Recommendation about battery

- Use only the charger supplied with bike battery.
- If you suspect the battery compartment is flooded by a liquid, such as heavy rain, or pressure hydrowashing discontinue use of the product, allow to dry, and contact customer assistance.
- The battery should only be removed by an appropriately trained person.
- The Stand alone battery should be charged in a ventilated area with no people standing by, such as covered balcony or parking spot
- Do not charge battery at temperature below 0°
- Storing battery below 0° or above 45° may reduce battery life.
- Do not leave the bike fitted with battery in a location exposed to direct sunlight or high temperatures. If you suspect battery compartment (tank) has been consistently heated in such an environment, do not activate electric assistance and allow it cool before use.
- Do not connect/disconnect/modify product electrical wiring unless you are trained to do so.
- Note: The battery management will completely cut off power when the charge gets very low. The battery management system is made to maintain power output almost unchanged until few minutes before low charge automatic cut off.
- Charging battery before reaching automatic cut-off is recommended in order to extend the battery life.



Unpacking, assembly and first ride

1. Unpacking from shipping box

1.1. To extract the bike from box we suggest you to put the box in a vertical position, hold the bike in “wheeling position”, pull it towards you. We recommend storing the box after assembly.

2. Preparing for first use

2.1. Lift the handlebar, set it to 90° with front wheel and tighten it with an allen key. The brake levers will also need to be tightened with an allen key.

2.2. Screw in pedals with a pedal key

3. Electric system: the battery is supplied half charged and will reach maximum performance after 3 charge/discharge “brake in” cycles. A full charge cycle will take up to 6 hours. However, the first charge should take much less. To charge the battery follow the instructions below:

3.1. Lift and offset the “gas cup” (A) exposing the bike plug.

3.2. Connect the charger to the main electric plug (B)

3.3. Connect the recharge plug (C) to the bike plug (D)

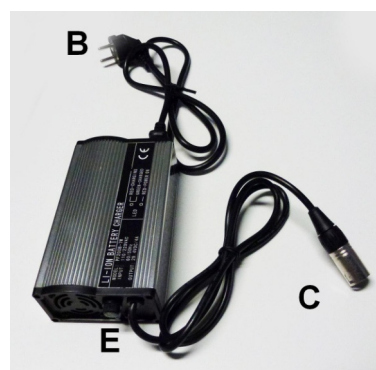
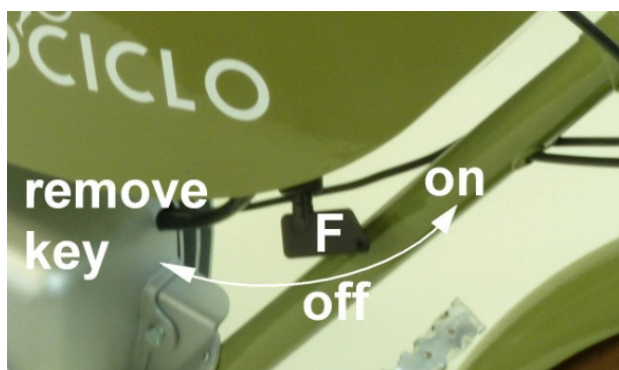
3.4. Both charger lights will become red (E) and the cooling fan may start. When the charge is complete one of the lights will turn green. Please note it is useful to leave the charger connected for an extra 20 minutes, after light turns green, in order to allow internal cells balancing.



3.5. When ready insert the “cut off key” on the bike (F)

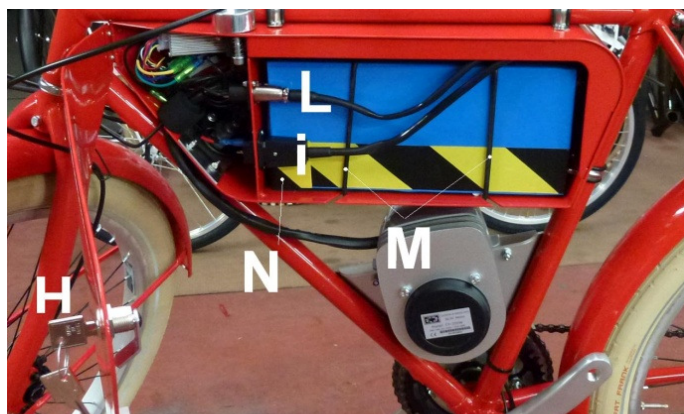
3.6. If you wish to use the bike without pedal assistance, simply remove the “cut off key” (F)

4. Parking: Remove the “cut off key” (F) to avoid theft or electric charge dispersion.



Periodical maintenance

1. Check the tyre pressure once a month. Note The Balloon tyre should be inflated at 3 – 4 bars
2. Battery charge status: you can monitor bike charge status using a common bike trip computer or GPS phone. However to extend battery life, avoid using the battery up to maximum discharge. for example the battery could be recharged when approximately half of its mileage power has been consumed.
3. The chain tension should be slightly tightened after the first hundred kilometres (Q) leaving 2-3 cm of play. After first tightening this, it should not be necessary to retighten for several years.



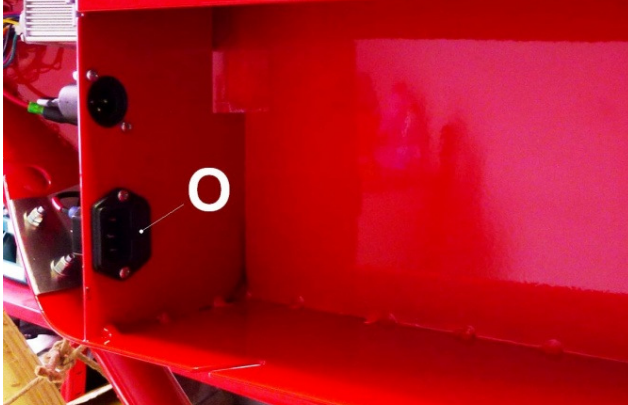
Extra maintenance

1. Battery removal
 - 1.1. Open the side panel with Key (H)
 - 1.2. Remove the battery power outlet (I)
 - 1.3. Remove the battery charge inlet (L)
 - 1.4. Remove the elastic holder (M)
 - 1.5. Remove the battery by pulling strap (N)
2. Fuse change: Open the cover (O) integrated to the plastic plug. A spare fuse is located within the same cover.
3. Rear wheel removal:
 - 3.1. remove the gear shifter (P)

3.2. Loosen the hub bolts, brake retainer and brake cable (Q)

3.3. If necessary remove the motor carter by loosening screws (R) to remove chain.

3.4. Remove the wheel.



Troubleshooting

1. Motor does not start when pedaling
 - a. check the key position
 - b. connect the charger and be sure the light turns green after a few minutes
 - c. recharge the battery
 - d. check the battery plug inside the battery compartment
 - e. check the bike fuse
 - f. check for dirt over sensor magnets behind chainring
2. Motor stopped during ride and unable to restart
 - a. Battery is empty, recharge.
 - b. check the battery plug inside the battery compartment
 - c. check the bike fuse
 - d. check for dirt over sensor magnets behind chainring
3. Gear seems to get out position during ride

- a. Check the yellow indicator on the rear wheel gear actuators is in the middle position when the shifter is in second gear, move the adjuster to bring it in to position
- b. Check online documentation for adjusting specific hub gear model
- 4. Charger does not start
 - a. Light is green; battery is already charged
 - b. Check charger fuse
 - c. Connect charger to the mains instead of the battery
- 5. Motor does not start after changing rear tyre
 - a. Pull rear brake and check the red light is on the rear brake sensor, if not disconnect the cable, extract sensor for about 10 cm and put it back in position

Guarantee

As per EU regulation 99/44/CE e 85/577/CEE

Warranty claims are processed via the dealer who supplied the bike or directly by the manufacturer for internet purchased bikes.

Some Bike component claims may be handled directly with the original manufacturer.

Warranty will be invalidated if damage is caused by improper use, abuse or accident!