

# **Pedal Assist E-Bike Manual**

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# Pedal Assist E-Bike

You will find in this manual information relevant to the proper use, adjustment and maintenance of your bike, in order to optimize its life.

Please keep it and read it carefully before making your first outing.

We advise you to always entrust your bike to an experienced technician for the control, maintenance and repair of your bike.

Your power-assisted bike lets you extend distances, climb hills with ease, and tackle the wind effortlessly.

Plus, comfort-focused geometry allows you to ride in a comfortable position. It has been designed and adapted for recreational use by all cyclists.

## RESPONSABIUTY

Failure to follow the instructions in this manual is the responsibility of the owner of the electric bike. If you have any doubts about maintenance or safety, contact your dealer.

The frame, the fork and all other parts important for your safety, (brakes, wheels, etc.), are subjected during your outings, to a wear which, with time, can affect the performance. Hence the importance of regular maintenance.

## WARNINGS AND RECOMMENDATIONS

- Do not expose the battery or charger to heat;
- Do not apply pressure on the charger wire or the plug. Be sure to insert the plug into the wall outlet when charging;
- Do not touch the plug if your hands are wet;
- Do not use the plug or socket if they are dusty. You will first have to unplug and clean it with a dry cloth;
- To remove the power cord from the wall outlet, do not pull the cord but rather the plug. Always pull gently on the charging cord;
- Do not turn the pedals when the battery, installed on the bike, is in charge mode. There is a danger of the cord wrapping around the pedals or crankset and damaging the plug with the risk of electric shock or fire.
- Keep out of the reach of children and animals!

## PRECAUTIONS AND SAFETY

### **Cycling with electric assistance requires practice:**

To familiarize yourself with your new bike, we suggest you try it in a safe place to discover and master the braking and shifting.

Practice the turns. You must stop pedaling in time before a curve and do not resume pedaling too quickly, because the engine will continue to accelerate during the turn.

We suggest that you start at level. At this level, the engine does not accelerate as fast.

Before each ride, make sure your bike is in good condition. Good tire pressure, tight bolts and good brake operation are major points to check.

***Wearing a helmet compliant with standards is mandatory.*** The helmet must be made of a hard shell, as well as being padded on the inside and having a strap that goes under the chin.

## INFORMATION ABOUT THE MOTOR

Motor: Bafang - 350 Watts

Battery: Phylion 36V 13Ah

li-Ion

## CHARGING AND MAINTENANCE OF THE BATTERY

Normally, when buying the electric bike, the battery has not been fully charged, Therefore it is important to completely charge the battery before using it for the first time. To do this, you must remove the battery

from your bike by inserting the key into the lock that is located on the lower left side of the battery holder.

Then reinsert the battery in the same way, while making sure to lock the battery.

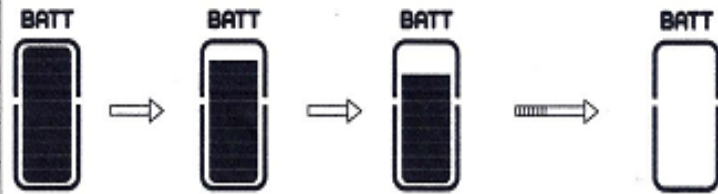
When charging is complete, a green light will be displayed. Unplug the charger and disconnect the battery from the charger.

- The battery of your electric bike can be charged at any time, regardless of the remaining battery life.
- Store the battery in a place at room temperature (not below 5 C)
- The battery should be recharged at least one hour per month, especially in winter.
- Never leave the battery connected to the charger for more than 24 hours.

## LEVEL AND WEAR OF THE BATTERY

The battery level is indicated by a number of segments accompanied by a light indicator. If the battery of your bike is discharged, the 10 segments will be turned off and the indicator light will flash. This will tell you it's time to charge the battery.

Number of segments :	Percent charge
10	+ 90%
9	75% - 90%
8	60% - 75%
7	50% - 60%
6	40% - 50%
5	30% - 40%
4	20% - 30%
3	10% - 20%
2	8% - 10%
1	5% - 8%



The life of a battery varies from 800 to 1,000 charge cycles. Avoid charging the battery after each ride, especially after a short ride.

## GENERAL MAINTENANCE

It is important to have your electric bike periodically inspected by your dealer. General maintenance is essential to ensure longevity and proper operation of your bike.

## ACTIVATION OF ASSISTANCE

Once properly installed on your electric bike, to activate the assistance function, you will need to press the button of the console identified by **ON/OFF**. Then press **+** or **-** to adjust the engine power. The lowest power is represented by level 1 and the highest by level 5. If no number appears on the display, it means that there is no assistance.

Here is the description of the levels:

- Level 1:** Provides about 10% assistance
- Level 2:** Provides about 25% assistance
- Level 3:** Provides about 50% assistance
- Level 4:** Provides about 75% assistance
- Level 5:** Provides about 100% assistance

## **ACTIVATION OF THE MANUAL ACCELERATION KNOB**

To activate the manual throttle, you will need to pedal by pressing your left thumb on the accelerator lever

(the throttle lever only works by activating the pedal).

## **DATA RESET**

You will need to press the “ i” twice quickly and then the “TC” will appear. Then press on the” – “and will display “Y”.

Then you will have to press the “i” again.

## **LIMITED WARRANTY**

- 3 years against production defect on the frame
- 2 years against manufacturing defect on the engine and the battery
- 1 year against manufacture defect on the console, the controller and the spinning

The limited warranty does not cover the following:

1. Damages and / or breakdown caused by negligence, poor maintenance, accident or abuse of use.
2. Damage caused during a transport performed by the owner.
3. Damage or failure caused by improper installation, adjustment or repair.
4. Damage caused by improper treatment (example: not following the retailer's instructions correctly).
5. Damage, breakdowns caused by normal wear and tear of the components.

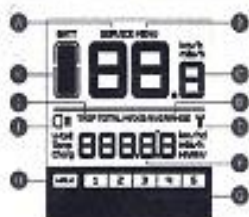
**CAUTION: Modification of the original components of the electric bike may void the warranty.**

Please check with your dealer before making any changes.

This limited warranty is for the original owner only, from the date of purchase with an invoice.

**Please read the instructions in our manual Drive Safely! Enjoy the Road!**

## Overview of the functions and buttons of the control unit



- A: Maintenance warning: When there is a need for maintenance the symbol "SERVICE" will be displayed (riding distance or the number of battery charge cycles exceed the set value, function can be deactivated)
- B: Menu
- C: Speed display: display of the speed, km/h or mph
- D: Speed mode: average speed (AVG km/h), maximum speed (MAXS km/h)
- E: Error display: When a fault is detected the symbol will be displayed.
- F: Distance indication: display of the distance depending on the setting.
- G: Level indication: The chosen level 1-5 will be displayed; if there is no numeric display, it means that there is no assistance (by the motor). If the rider is walking and pushing the e-bike, "WALK" will be displayed.
- H: Walk assistance
- I: Headlight indication: only shows when headlight or backlight are on
- J: Distance mode: display of the single-trip distance TRIP and the total distance TOTAL
- K: Battery level: 10-segment battery indication; the voltage that each segment represents can be customized

- A: Up
- B: Down
- C: Headlight
- D: On/Off
- E: Mode



### On/ Off Switch

Turn on the device. Press and hold for 2 seconds to power on the display. Press and hold again for 2 seconds to power off the display. If the bike is not used, after 5 minutes (time can be set) the display will be automatically turned off.

### Assist Mode Selection

In the manual gearshift mode, press the + or - to choose the desired level of support by the motor. The lowest level is Level 1, the highest Level 5. When the display is on, the default mode is Level 1. When there is no numeric mode display, there is no power assistance.



### Switch between Distance Mode and Speed Mode

Briefly press to switch between distance and speed. Single-trip distance (TRIP km) → total distance (TOTAL km) → maximum speed (MAXS km/h) → average riding speed (AVG km/h) are displayed in successive order.



### Headlight/ Display Backlight Switch

Press light button for 2 seconds. The backlight of the display will turn on. Press again for 2 seconds to power off. Press button directly on Headlight to turn it on. **There are 5 levels of backlight brightness that can be selected by the user.**

### Walk Assistance

Press minus button for 2 seconds. The e-bike enters the walk assistance mode, and the symbol WALK is displayed. Once the key is released, the e-bike will exit the walk assistance mode.

### Setting Preparation

Press twice quickly to enter settings. Press twice again to exit. While in settings, press briefly to navigate between different settings. Press to change setting value



### Data Reset

In the speed field IC is displayed. If you press , a y is also displayed. Temporary data, e.g. maximum speed (MAXS), average speed (AVG) and single-trip distance (TRIP) can be cleared



### km/mile

When the speed field displays 57, press to switch between km/h and mph, or to set km or mile.



### Light Sensitivity

When the speed field displays bL0, use to choose a figure between 0 and 5. The higher the chosen figure, the higher the light sensitivity.



### Display Backlight Brightness

When the speed field displays bL1, press to choose a figure between 1 and 5. The figure 1 represents the lowest brightness while 5 indicates the highest display backlight brightness.



### Automatic Off Time

When the speed field displays OFF, press to choose a figure between 1 and 9. The figures indicate the minutes that it takes to automatically shut down the display.



### Maintenance Warning (can be deactivated)

When the speed field displays nna, press to choose either 0 or 1. 0 disables the function while 1 enables it.

When the accumulated total riding distance exceeds 5,000 km or number of battery charge cycles exceeds 100, the display will show the symbol **SERVICE** indicating that maintenance is necessary.