



F O N G G E R S<sup>®</sup>

*Distributed by Matrabike*

# TABLE OF CONTENTS

<b>Introduction</b>	<b>3</b>
<b>Engines</b>	<b>4</b>
<b>Technical data</b>	<b>5</b>
<b>Keep your battery in top condition!</b>	<b>7</b>
<b>Battery related tips</b>	<b>8</b>
<b>Putting battery in and out of the bike</b>	<b>9</b>
<i>Rear carrier model</i>	9
<i>In frame model</i>	10
<b>Battery Charging</b>	<b>11</b>
<b>Use, maintenance and inspection before each drive</b>	<b>12</b>
<b>Display Instruction</b>	<b>15</b>
<i>Display type 1</i>	15
<i>Display type 2</i>	16
<i>Display type 3</i>	17
<i>Display type 4</i>	19
<i>Display type 5</i>	20
<i>Display type 6</i>	21
<i>Display type 7</i>	23
<i>Display type 8</i>	26
<i>Display type 9</i>	28
<i>Display type 10</i>	30
<i>Display type 11</i>	32

# INTRODUCTION:

## **THANK YOU VERY MUCH FOR CHOOSING A FONGERS ELECTRIC BIKE.**

*This manual serves as a guide to the enjoyable and safe use of your electric bike.*

*This manual applies to multiple Fongers models. You may come across information that is not relevant to your specific bike. As you go through the manual, you can determine which parts do or do not apply to your chosen Fongers model. If you do not immediately see what does or does not apply to you, you can always contact customer service.*

*We advise you to read the manual carefully before using the bike for the first time. Also, check that all parts are in good condition and securely mounted for your safety. During your first test drive, we recommend that you get used to the operation of the brakes, as the braking force may vary depending on the model.*

*Braking too hard can lead to a skid and fall; therefore, it is wise to thoroughly test the braking power before hitting the road.*

*Reduce your speed on slippery surfaces such as rain, snow, sleet, or mud. In addition, consider a greater distance from the vehicle in front, as your braking distance may be significantly longer. Although this bike functions well in wet conditions, do not allow water to enter the motor or controller, as this can cause serious damage to the electronic circuitry. Therefore, avoid driving through puddles.*

*If you need to remove, open, replace, or adjust parts, we advise you to contact a specialist or our customer service team with the appropriate knowledge, skills, tools, and parts.*

*Only allow people to ride this bicycle if they are familiar with its operation. We wish you a lot of cycling fun and hope your Fongers bike contributes to this.*

*Sincerely,  
Team Fongers*

## ENGINES

Our Fongers bikes use front-wheel, mid-wheel, and rear-wheel motors.

A front-wheel and rear-wheel motor (usually) uses a rotation sensor. You only get support when you turn the pedals.

With these types of motors, each assist mode supports a maximum number of kilometers per hour, up to a maximum of 25 kilometers per hour when the highest assistance mode is engaged.

A mid-motor model uses a force and rotation sensor. This means that with a mid-drive motor, you get support when you put force on the pedals (and thus turn the pedals).  
The level of assistance also depends on the assist mode you have selected on the display.

All Fongers electric bikes are so-called “pedelec” bicycles, which means that the motor is only switched on when cycling yourself (per the European EN-15194).

Only the walk-assist can function without pedaling up to a maximum of 6 km/h.



# TECHNICAL DATA

<b>General Technical Specifications</b>	
Weight of the bike incl. battery	+/- 23 to 27 kg (varies by model)
Maximum speed	25 km/hour
Maximum load	110 kg
Average range with full battery	The range depends on the type of battery, with a range of 50 to 150 kilometers
These values apply to: <ul style="list-style-type: none"> <li>• New battery</li> <li>• Normal load</li> <li>• No external weather influences</li> <li>• 20 degrees Celsius ambient temperature</li> <li>• Dry and flat road</li> </ul>	

<b>Technical specifications 2A charger</b>	<b>ONLY USE THE ORIGINAL CHARGER WITH THE E-BIKE!</b>
Low battery charging time	Circa 10 hours per 2 Ah
Connection voltage	230 V / 50 Hz
Maximum Payload	84 W per hour
Red light	Load
Green light	Charger not connected to the battery or fully charged

<b>Technical specifications front wheel and rear wheel motor</b>	
Engine type	Brushless hub motor
Continuous Rated Power	250 W
Nominal Voltage	36 V
Nominal/Maximum Output Torque	22 Nm / 45 Nm
Motorefficiency	78% (+/- 5%)

<b>Technical specifications mid-drive motor</b>	
Engine type	Brushless mid-drive motor, low in noise
Continuous Rated Power	250 W
Nominal Voltage	36V
Nominal/Maximum Output Torque	65 Nm / 80 Nm
Motorefficiency	81% (+-5%)

## KEEP YOUR BATTERY IN TOP CONDITION!

The maximum speed at which the motor is engaged is 25 km/h, fully complying with the EN-15194-2017 standard, which describes the requirements for electric bicycles. This guarantees the safety of the users of our bikes.

Lithium-ion batteries are used in Fongers e-bikes. They are designed for sustainable use and are environmentally friendly.

The bike has a lightweight aluminum frame that is both handy and strong, contributing to its long lifespan.

The range on a full battery depends on several factors, such as load, road conditions, number of start-ups and slowdowns, tire pressure, the level of assistance on the bike computer, and the user's maintenance and charging.

- Drain your e-bike's battery as far as it will go for the first three times, and then charge it back up to 100%
- Always store the battery in a dry place (above 10°C)
- Never store the battery empty; recharge it as soon as possible. If it is empty, the advice is to recharge within 12 hours.
- Do not leave your battery on the charger for more than 12 hours
- Use only an original charger
- Do not charge your battery after every short ride
- Always remove the battery from your bike during transport and transport it safely and dry.

### **Tips for the winter period:**

- Be aware that due to the cold, the range of your battery may be lower than in summer
- Charge your battery at least 1 time per month
- Do not insert the battery until cold temperatures for a short time
- before departure in your e-bike
- Always charge a Li-ion battery above 10 °C.

## BATTERY RELATED TIPS

- Ensure you have a fully charged battery if you go on a long trip.
  - Rugged terrain, challenging terrain, and hilly or mountainous roads result in significantly higher energy consumption.
  - The frequent change in driving speed results in higher energy consumption
  - The more weight on the bike, the higher the energy consumption
  - Proper maintenance, a clean bike, well-inflated tires, and regular lubrication (as stated later in this manual) ensure lower energy consumption
  - Regularly check that the front and rear wheels are completely free when the brakes are not applied. Adjust the brakes regularly
  - A lower assist setting produces less motor power and, therefore, requires less energy from the battery and thus provides a higher range
  - As the battery becomes more and more drained, the voltage of the battery also drops, and with it, the available power. You may notice that the battery becomes emptier while cycling, mainly because the motor loses power
  - Warranties on a battery expire immediately and unconditionally as soon as it is deep discharged.
- Batteries, in general, can't handle that. Make sure this NEVER happens. If you will not use the bike for an extended period, never leave your battery on the bike without recharging it. Also, charge your battery at least one time a month.
- Placing the charger and battery near heat sources is dangerous and strongly discouraged. Battery life depends on how it is handled. Follow the instructions in this manual for charging. In addition, never drop, shake, or tap the battery.
  - The indication on the battery display always leads. With a battery in the frame, there are three LED lights on the battery: green, blue, and red.
- Blue = not fully loaded
  - Green = full
  - Red = almost empty
- Under warranty conditions, it is not permitted to open the battery and separate the internal battery segments from each other

*An open battery is never covered by warranty conditions*



# PUTTING BATTERY IN AND OUT OF THE BIKE



## REAR CARRIER MODEL

1. Turn the counterclockwise to unlock the lock.



2. Hold your index and middle fingers under the battery of both hands and your thumbs on the luggage rack, pushing the battery out of the battery cradle in this way



3. Gently pull the battery pack out of the battery cradle with both hands.



4. There is also an on/off button under the battery; if you turn this switch off, the battery will not work on the bike.



5. When you put the battery back in the bike, make sure that the battery falls correctly into the battery cradle to prevent damage.

# PUTTING BATTERY IN AND OUT OF THE BIKE



## IN FRAME MODEL

1. Turn the key clockwise; the battery will now click out of the docking.



2. Carefully remove the battery from the bike (bottom first, then the top of the battery)



3. When reinserting the battery, you must first remove the bike keys from the battery lock. Then, you should put the top and then the bottom of the battery in the bike (as shown in the photo) until you hear a "Click," and the battery is locked in the bike.



# BATTERY CHARGING

- When charging, neither the battery nor the charger should be placed close to highly flammable (liquid) substances. Always ensure that children cannot reach the charger when charging the battery.
- As mentioned earlier, the battery's charging time depends on the amount of residual energy left in it, its capacity, and the charger's capacity. When the battery is full, the LED will switch from red (charging) to green (ready), then unplug and unplug the battery.
- Do not leave the charger connected to the battery for longer than necessary.
- It is not strange that the battery and the charger can become warm to hot during a charging session. Make sure the battery is fully charged (until the light on the charger turns green)
- When charging, place the battery on a hard, preferably stone surface, not on flammable material such as carpet, paper, or a sofa.
- Never open the charger casing by yourself. In case

this is necessary; have it taken care of by a specialized e-bike mechanic.

- Make sure that the contacts of the battery are not touched with your hand or other tools or materials.

Ensure no materials and/or liquids can penetrate the charger. If this happens, we advise you to use the charger once a specialist e-bike mechanic inspects it.

- Make sure the charger always has adequate cooling. It should always be 200 mm clear on all sides for cooling.

# USE, MAINTENANCE AND INSPECTION BEFORE EACH DRIVE

Your Fongers electric bike is designed for one person under normal road conditions. Using this bike in extreme situations, such as riding off-road, jumping, or carrying heavy loads, can cause severe damage to the bike and even lead to injuries. The bike is not designed for such loads.

- Never use a pressure washer when cleaning the bike. This can bring moisture to sensitive areas, leading to malfunctions in the electrical system and rust. Clean the bike with a clean, damp cloth and avoid harsh or acidic cleaning agents, which may damage the finish. If necessary, you can use shine and protect to preserve the bike's paint.
- Try to avoid using the bike in the rain and snow. If this is not possible, clean and dry the bike after use.

An over-lubricated chain can splash oil in unwanted areas, such as the pedals, brakes, and rims. If there is oil on the rims, tires, brakes, or pedals, clean it with hot water and liquid soap. Then rinse everything with clean water and dry the bike.

Use light machine oil (W20) and follow the instructions below for lubricating the different parts:

- Pedals: Every six months, four drops per pedal in the bearing
- Chain: Every six months, one drop per link.

Before each ride, it is important to perform the following safety checks:

## 1. Brakes

- Check that the front and rear brakes function properly.
- Check that the brake shoes are pressing correctly against the rim (only for rim brakes).
- Check the brake cables; These should move smoothly and not be damaged.
- Check that the brake levers move smoothly and are securely attached.

## 2. Wheels and tyres

- Check the tire pressure; It must correspond to the values indicated on the tire.
- Check that the tires have sufficient tread and are not damaged.
- Check that the rims rotate freely without rubbing against the brakes (only with rim brakes)

And run sufficiently freely. This also affects the range.

- Check that all spokes are adequately tensioned and not damaged.
- Make sure the wheel bolts are securely tightened. Check that quick-release fasteners are properly fastened and in the closed position.

### 3. Steering wheel

- Check that the handlebars are correctly adjusted and sturdy so they cannot move while cycling.
- Make sure the handlebars are in line with the front wheel.
- Check that the handlebar clasp is pressed correctly.

### 4. Chain

- Check that the chain is adequately lubricated, clean, and runs smoothly.
- Extra control is needed in wet or dusty conditions.

### 5. Bearings

- Check that the bearings are well lubricated, rotate smoothly, and do not show any play or rattling noises.
- In particular, check the bearings of the handlebars, pedals, bottom brackets, and wheels.

### 6. Bottom bracket and pedals

- Check that the pedals are securely mounted.
- Check that the bottom bracket is mounted correctly and has no play.

### 7. Seatpost / Seatpost Bolt

- If you want to change the saddle's position, make sure that you tighten the seat post bolt according to the guidelines below. Failure to comply with the tightening torques below can lead to dangerous situations.

Allen bolt	Crushing torque (KGF = kilogram-force)	Indication
M6	90-100 KGF	9-10 Nm
M7	110-120 KGF	11-12 Nm
M8 – M10	180-200 KGF	18-20 Nm

- Ensure that the maximum stripes indicated on the seat post are never visible in the seat post tube (frame).

## 8. Luggage carrier

- The maximum loadable weight of the luggage carrier is indicated on each luggage carrier. The luggage rack is never suitable for transporting people without having the correct bicycle seat or Supports fitted.

## Service

We recommend that your Fongers bike be serviced annually or within 500 kilometers. Of course, this also depends on your driving habits. Maintenance contributes to the lifespan of your bike and ensures that it continues to function optimally.



# DISPLAY INSTRUCTION

## DISPLAY TYPE 1



The display offers a wide range of functions and indicators for all users' needs.

The indicators indicated as shown in the photo are as follows:

1. Battery indicator
2. Speed display (including real-time speed, average speed, and maximum speed)
3. Travel Distance (TRIP) and Total Distance (ODO)
4. Assist modes level selection (can be controlled with + and -)
5. Headlight/Taillight on and off (+ press and hold)
6. Fault code indicator\*

## Functions:

1. Display On/Off: Press and hold the power button for 3 seconds
2. Headlight ON/OFF: Press and hold the (+) key for 3 seconds
3. Walk Assist: Press and hold button (-) for 3 seconds (remains active until the button is released).
4. Change speed display (current, average speed, maximum speed): Press the power/mode & (-) buttons at the same time at the same time, this allows you to change the display on the display.
5. Reset trip meter: Press the (+) & (-) buttons simultaneously, adjust the N flashing with the + button to Y, and then press and hold the power button. The trip meter (TRIP) has now been reset.

\* *In case of an error on the display, we advise you to contact the customer service where you purchased it to see how this can be solved.*

**DISPLAY TYPE 2**

The display offers various functions and indicators for all users' needs.

There are three buttons on this display: (+) (M) (-).

**(+)** to increase the assist position


**M** to turn the display on and off (switching off is done automatically after 5 minutes when you are not using the e-bike)


**(-)** to lower the assist position

When you have turned on the display, you can use the (M) button to switch through the menu to the following indicators:

7. Trip (single travel distance)
8. MAX (Maximum Speed)
9. ODO (Total Travel Distance)
10. Time (length of travel distance)
11.  $\updownarrow$  to automatically display all indicators while cycling

**Battery indication:**

 6 cubes black = full

 1 block black = battery charging required

**Functions:**

1. Display On/Off: Press and hold the M button for 3 seconds
2. Headlight/ Taillight ON/OFF: Press and hold the key (+) for 3 sec.
3. Walk Assist: Press and hold button (-) for 3 seconds remains active until the button is released).
4. Change speed display (current, average, max): Press the power/mode & (+) buttons simultaneously.

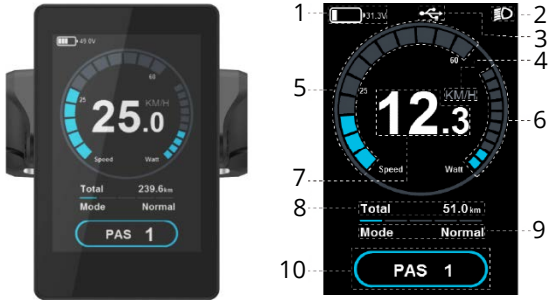
**Settings:** Press and hold + and - simultaneously for 2 seconds to enter the settings interface. Press M to switch between different settings. Press + or - to change settings. Press and hold + and - simultaneously to exit the settings interface.

**Trip (single travel distance) Reset.**

1. Go to the settings menu.
2. If you are in settings 1, briefly click on the (-) button once to set the trip mode to 0KM



**DISPLAY TYPE 3**



The indicators indicated as shown in the photo are as follows:


1. Battery percentage
2. Switch on the light indication (front and rear light) by briefly pressing the on/off button
3. USB charging function can be enabled by keeping SET + (+) or (↑↑) on for 5 seconds (only possible when a display with a USB port is mounted)
4. Km/h
5. Speed indicator (limited to 25 km/h)
6. Real-time engine output power
7. Speed display
8. Information Display

**Trip:** Displays the user's mileage (can be deleted).

**ODO:** Displays the total number of kilometers ridden with the e-bike (cannot be cleared)

**Time:** Indicates the travel time of a single trip

9. There are three different modes for support: Power, Normal, and Eco, each with a matching interface color.

10. Assist mode /  when the walk assist mode is on (-) or (↓↓) keep on for 3 seconds and hold the (-) or (↓↓) for the walk mode).

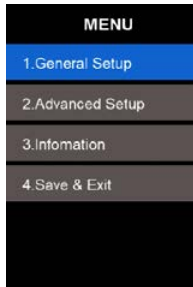
For this type of display, two different control units are used on different models::



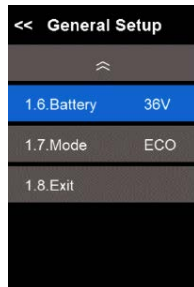
Both control units operate the same way when combined with the display. The only difference is that in the type 1 control unit, a (+) and (-) are used, and in the other type of display, a (↑↑) and (↓↓) are used.

## Settings menu

Press and hold set for 2 seconds to enter the settings menu.



Only in the 1. General setup, settings will need to be changed to promote the use of the e-bike.



- 1.1 Trip clear: to reset the trip mode, click on set and then with (+) or (↑↑) to go from the N to Y. Then navigate with (-) or (↓↓) to the bottom of the menu to go to Exit at 1.8 and then to 4 in the general settings menu. Save & Exit. The trip mode is now at 0 KM.
- 1.2 Brightness allows you to adjust the brightness of the screen by pressing set, turning it up or down with the (+) or (↑↑) / (-) or (↓↓) buttons to save the Settings, click on set and navigate from the menu 1.8 exit and 4. Save & Exit
- 1.7 Mode, adjustable by pressing set in combination with the (+) or (↑↑) / (-) or (↓↓) buttons and saving by pressing set and navigating to 1.8 exit and then 4. Save & Exit.

**DISPLAY TYPE 4**

The indicators indicated as shown in the photo are as follows:

1. Battery indication (top right)
2. Speed display (centre, displayed in km/h)
3. Distance including Trip (one-way distance, resettable) and ODO (total travel distance)
4. Assist Mode Level
5. Lighting (front and rear)
6. Walk support mode

**Functions:**

1. Display On/Off: Press and hold the power button for 3 seconds
2. Headlight ON/OFF: Press and hold the (+) key for 3 seconds
3. Walk Assist: Press and hold button (-) for 3 seconds. (remains active until the button is released).
4. Change speed display (current, average speed, maximum speed): Press the power/mode & (-) buttons simultaneously. This allows you to change the display on the display.
5. Reset trip meter: Press the (+) & (-) buttons at the same time, adjust the N flashing with the + button to Y, and then press and hold the power button. The trip meter (TRIP) has now been reset.

**DISPLAY TYPE 5**

The indicators indicated as shown in the photo are as follows:

- Real-time speed
- Single driving distance (trip)
- Single ride time (trip time)
- Maximum speed (MAX speed)
- Average speed (AVG speed)
- Total Driving Distance (ODO)
- Driving power (WATT)
- Support Mode (PAS)

By briefly pressing the (M) button, you can change the information display as described above.

1. Display On/Off: Press and hold the power button for 3 seconds

2. Headlight ON/OFF: Short press and hold the head-light button
3. Walk Assist: Press and hold button (-) for 3 seconds (remains active until the button is released).

**General Settings**

Press and hold the (+) and (-) buttons at the same time to enter the settings menu.

In the interface of the settings list, short-press the (+) and (-) buttons to go to other settings and the button (M) to select the setting.

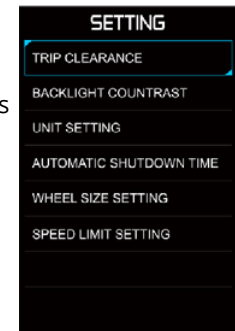
**Trip clearance**

You can set the trip mode to 0 km by selecting trip clearance in the settings menu by pressing mode. In addition, you can switch from NO to YES by pressing the (+) and (-) buttons.

If you have selected YES in the trip, clear and exit the menu by clicking on mode and changing the changed settings.

Other settings you can change in the same way are:

1. Display brightness (backlight contrast)
2. Automatic shutdown time




## DISPLAY TYPE 6



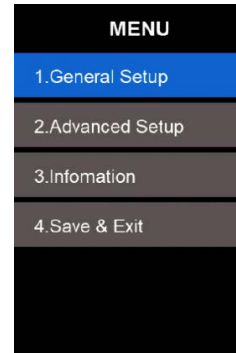
The indicators indicated as shown in the photo are as follows:

1. Battery percentage
2. Switch on the light indication (front and rear light) by briefly pressing the on/off button
3. + (+) or (↑↑) on for 5 seconds (only possible when a display with a USB port is mounted)
4. Km/h
5. Speed indicator (limited to 25 km/h)
6. Real-time engine output power
7. Speed display
8. Information display
  1. **Trip:** Displays the user's mileage (can be deleted)
  2. **ODO:** Displays the total number of kilometers ridden with the e-bike (cannot be cleared)
  3. **Time:** Indicates the travel time of a single trip

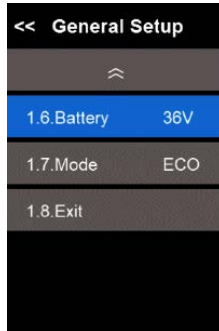
9. There are three different modes for support: Power, Normal, and Eco, each with a matching interface color.
10. Assist mode /  when the walk assist mode is on (-) or (↓↓) keep on for 3 seconds and hold the (-) or (↓↓) for the walk mode).

### Settings menu

Press and hold set for 2 seconds to enter the settings menu.



Only in the 1. General setup, settings will need to be changed to promote the use of the e-bike.

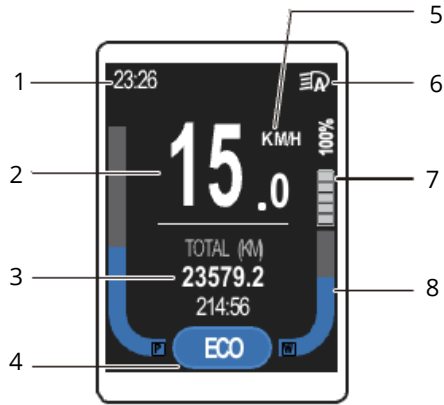


- 1.3 Trip clear. To reset the trip mode, click on set and then with (+) to go from the N to Y. Then navigate with (-) to the bottom of the menu to go to Exit on 1.8 and then to 4 in the general settings menu. Save & Exit. The trip mode is now at 0 KM.
- 1.4 Brightness allows you to adjust the screen's brightness by pressing set, turning it up or down with the (+)/ (-) buttons to save the settings, click set, and navigate from the menu 1.8 exit and 4. Save & Exit
- 1.7 Mode, adjustable by pressing set in combination

with the (+)/ (-) buttons, and save by pressing set and navigating to 1.8 exit and then 4. Save & Exit.



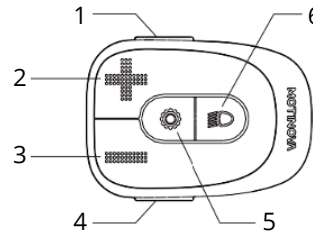
**DISPLAY TYPE 7**



The indicators indicated as shown in the photo are as follows:

1. Time
2. Speed
3. Mileage information
4. Support Mode
5. Kilometers per hour
6. Lighting (front + rear)
7. Battery Capacity
8. Power level

**Control unit**



The indicators indicated as shown in the photo are as follows:

1. On/off button
2. + button
3. - button
4. Walk-assist knob
5. Settings / Adjustment Knob
6. Lighting button

Functions:

**Switch on**

Long press the "Power" button for 1.5 seconds

**Eliminate**

Short press the "Power" button

## Changing the support mode

There are five different assist modes: OFF, ECO, NORM, SPORT, TURBO, and SMART.

- Note: Press and hold the “+” button for more than 1.5 seconds to enter SMART mode; Short press the “+” or “-” button to exit SMART mode.

## Changing the mileage information

In the main interface, short-press the “Setting” button to change the mileage information. You can also view different modes and information.

The order is the total mileage (TOTAL) and total driving time → the subtotal mileage (TRIP) and the subtotal driving time → the maximum mileage speed (MAX) and the average speed of the subtotal mileage (AVG)

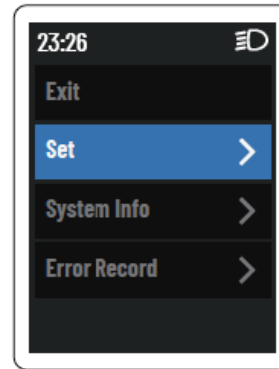
## Walk mode



In walk mode, the system provides 6 km/h of assistance within the power limit.

Turn on the walk support by clicking on the “WALK” button on the remote and holding down the plus button. When you stop pressing the + button, the walking assistance stops.

## Settings menu



To access the settings menu, press the settings button for 1.5 seconds.

To navigate the settings menu, press the (+) and (-) buttons. To select a setting item, short-press the settings button.

The most important settings can be found under (SET). Then, briefly press the settings button.

This allows you to adjust the most important settings:

21. **Clear:** Reset trip
22. **Brightness:** Adjust brightness



23. **Time:** Adjust time
24. **Date:** Change date

You can confirm the settings you want to adjust by briefly pressing the settings button.

### **Switch on**

Long press the “Power” button for 1.5 seconds

### **Eliminate**

Short press the “Power” button

### **Changing the support mode**

There are five different assist modes: OFF, ECO, NORM, SPORT, TURBO, and SMART.

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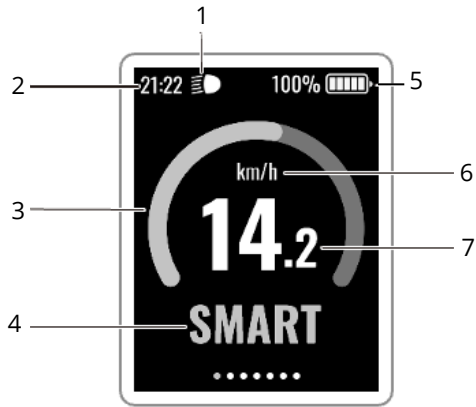
### **Changing the mileage information**

In the main interface, short-press the “Setting” button to change the mileage information. You can also view different modes and information.

The order is the total mileage (TOTAL) and total driving

time → the subtotal mileage (TRIP) and the subtotal driving time → the maximum mileage speed (MAX) and the average speed of the subtotal mileage (AVG).

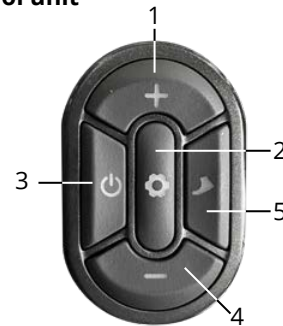
**DISPLAY TYPE 8**



The indicators indicated as shown in the photo are as follows:

1. Lighting (front and rear)
2. Time indication
3. Power level
4. Support Mode
5. Battery Capacity
6. Kilometers per hour
7. Speed

**Control unit**



The indicators indicated as shown in the photo are as follows:

1. + button
2. Settings / Adjustment Knob
3. On/off button
4. - button
5. Walk-assist knob

**Functions:**

**Switch on**

Long press the "Power" button for 1.5 s.

**Eliminate**

Short press the "Power" button

## Changing the support mode

There are five different support modes: OFF, ECO, NORM, SPORT, TURBO, and SMART.

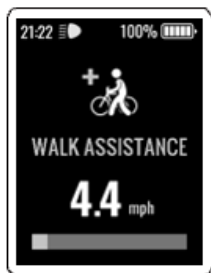
- *Note: Press and hold the “+” button a few times to enter SMART mode; short-press the “-” button to exit SMART mode.*

## Changing the mileage information

In the main interface, short-press the “Setting” button to change the mileage information. You can also view different modes and information.

The order is the total mileage (TOTAL) and total driving time, → the subtotal mileage (TRIP) and the subtotal driving time, → the maximum speed of the mileage (MAX), and the average speed of the subtotal mileage (AVG)

## Walk mode



In walk mode, the system provides 6 km/h of assistance within the power limit.

To turn on the loop support, click on the “WALK” button on the remote and hold down the plus.

The walking assistance stops when you stop pressing the + button.

## Settings menu

To access the settings menu, press the settings button for 1.5 seconds.



To navigate through the settings menu, you can press the (+) and (-) button, to select a setting item, short press the settings button.

The most important settings can be found under (SET). Then, briefly press the settings button.

This allows you to adjust the most important settings:

**Clear:** Trip stand reset

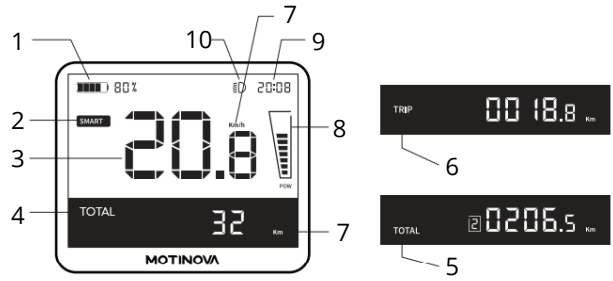
**Brightness:** Adjust brightness

**Time:** Adjust time

**Date:** Change date

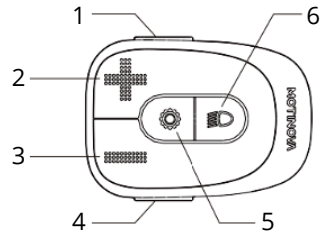
You can confirm the settings you want to adjust by briefly pressing the settings button.

**DISPLAY TYPE 9**



1. Battery Capacity
2. Power Mode
3. Speed
4. Total mileage
5. Trip (kilometers driven per trip)
6. Mileage indication
7. Power level
8. Time
9. Lighting indication (front + rear)

The indicators indicated as shown in the photo are as follows:



1. On/off button
2. + button
3. - button
4. Walk-assist knob
5. Settings / Adjustment Knob
6. Lighting button

**Switch on**

Long press the "Power" button for 1.5 seconds.

**Eliminate**

Short press the "Power" button

### Changing the support mode

There are five different assist modes: OFF, ECO, NORM, SPORT, TURBO, and SMART.

- *Note: Press and hold the "+" button for more than 1.5 seconds to enter SMART mode; Short press the "+" or "-" button to exit SMART mode.*

### Changing the mileage information

In the main interface, short-press the "Setting" button to change the mileage information; you can view different modes and information

The order is the total mileage (TOTAL) and total driving time → the subtotal mileage (TRIP) and the subtotal driving time → the maximum mileage speed (MAX) and the average speed of the subtotal mileage (AVG)

### Time Setting:

Operations as below:

Press and hold the "Setting" button for more than 1.5 seconds to enter the setting interface.

After entering the setting interface, click the "+" button or the "-" button to select "hour" or "minute," and then press the "Setting" button to confirm—the value of "hour" or "minute" flashes.

Press the "+" or "-" button to adjust the value, and click the "Setting" button to save. After the adjustment is complete, short press the "Setting" button to save, or press and hold the "Setting" button for more than 1.5 seconds to save and exit the setting interface.

### Reset trip mode:

Operations as below:

Press and hold the "Setting" button for more than 1.5 seconds to enter the setting interface.

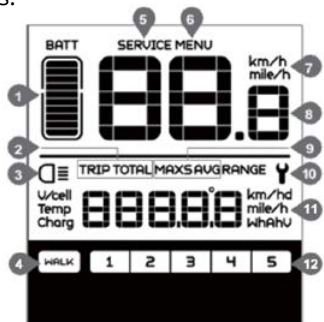
After entering the settings interface, click the "+" button or the "-" button to go to the "trip." After that, short-click the settings button so the trip starts flashing, then press and hold the (-) button. The trip mode is now at 0 KM.

**DISPLAY TYPE 10**





1. Real-time display of battery capacity
2. Mileage, Daily Mileage (TRIP) - Total Mileage (TOTAL)
3. Lighting (front and rear)
4. Walk-assist
5. Maintenance Required
6. Menu
7. Speed Unit
8. Digital speed display
9. Speed Mode, Top Speed (MAXS), Average Speed (AVG)
10. Fault indicator
11. Unit indicator
12. Level

The indicators indicated as shown in the photo are as follows:





See the control unit indicators above.


### Switch on

Press  and hold on the display to turn on the system.  
Press  and hold again to turn it off.



### Selection of the assistance levels

When the display is on, short press  or  to change the assist level; the lowest level is 1, and the highest level is 5.




### Reproduction

Short press  to view the different travel modes. Journey: Daily Mileage (TRIP) - Total Mileage (TOTAL) - Maximum Speed (MAXS) - Average Speed (AVG).




### Lighting

Press  and hold to turn on the headlight and taillight.  
Press  and hold again to turn off the lamp and taillight.

### Walk Assist

Activate: Short-press until  level 0 is set. Then briefly press  until the [WALK] symbol is displayed. Then press and hold  to activate the walking assist function. When you release the button, the walk assist stops.

### Reset trip mode

When the system is powered on, short press twice  to enter the 'MENU.' The 'tC' message will appear on the display (as shown below). Use now  or  to select 'y' or 'n'. Selecting 'y' resets the daily mileage (TRIP), the maximum speed (MAX), and the average speed (AVG)..

**DISPLAY TYPE 11**



The indicators indicated as shown in the photo are as follows:

1. Battery percentage
2. Switch on the light indication (front and rear light) by briefly pressing the on/off button
3. Km/h
4. Speed indicator (limited to 25 km/h)
5. Real-time engine output power

6. Time: Indicates the travel time of a single trip
7. Trip: Displays the user's mileage (can be deleted)
8. ODO: Displays the total number of kilometers ridden with the e-bike (cannot be cleared)
9. There are three different modes for support: Power, Normal, and Eco, each with a matching interface color.
10. Assist mode / When the walk assist mode is on, keep (-) on for 3 seconds and hold the (-) for the walk mode.

**Settings menu**

Press and hold set for 2 seconds to enter the settings menu.





Only the General setup settings will have to be changed to promote the use of the e-bike.



### Trip clear

To reset the trip mode, click on set and then with (+) to go from N to Y. Then navigate with (-) to the bottom of the menu to go to Exit and then to Save & Exit in the general settings menu. The trip mode is now at 0 KM.

### Brightness

This allows you to adjust the screen's brightness by pressing set, turning it up or down with the (+)/(-) buttons to save the settings, clicking on set, navigating from the menu to exit, and then to Save & Exit.

### Fashion

This can be adjusted by pressing the set with the (+)/(-) buttons. It can be saved by pressing set and navigating to exit, then selecting Save & Exit.



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