



onemile

Nomad User Guide





NOMAD

User Guide

THANK YOU FOR USING





Thank you for choosing NOMAD as your travel companion. NOMAD is an electric assist folding bicycle, ideal for urban commuting. It is easy to carry and store in cars and yachts. In this manual, you will find all the information about its use and maintenance.

NOMAD complies with the European standard EN 15194.

Pack list:

- | Bicycle
- | Charger
- | User List
- | Multi-function Tool

PRODUCT CATALOGUE

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PRECAUTIONS



NOMAD comes almost fully assembled from the factory and has undergone comprehensive inspections before shipment.

After unpacking, you only need to unfold the bicycle and perform the following checks:

Adjust the handlebar angle: Open the quick-release lever at the center of the handlebar, adjust to a suitable angle, and then press the quick-release lever to fix it.

Battery: Insert the battery into the frame and connect it (see page 13), then set the pedal height (see page 12).

Safety check before first ride: Please check if the handlebars, stem, cranks, and wheels are installed correctly. Loose components may cause loss of control.

Wheels:

Check if the front and rear wheels are properly tightened.

Tires:

Regularly check the tire pressure: The pressure must be set between 3 and 3.5 bar (40-60psi) .



NOMAD wheels and tires are tube type only.

Brakes:

Ensure the brakes are functioning properly. When braking, use the rear brake first, then the front brake. Improper use of the brakes may cause locking and loss of control. If malfunction occurs or hydraulic fluid leaks, stop using the bicycle immediately.

It is recommended to perform the above safety checks every 200-300 kilometers (120-180 miles) or when the bicycle has not been used for several weeks.

Battery and Charger:

Storage: The battery is sensitive to temperature. If NOMAD is not used for a long time, please ensure the charged battery is stored in a dry place and keep a moderate temperature.

Battery capacity in cold weather: Below 10 Celsius, the efficiency of battery will decrease, which will affect NOMAD's range. This is a normal phenomenon and does not indicate a battery malfunction.

Charge: NOMAD's charger and battery will get slightly warm when charging. In addition, the charger will make a slight noise when powered on. If any of the components overheats, disconnect the charger and battery immediately and contact the dealer.



Under no circumstances should you attempt to open the battery!



Recycling: NOMAD's battery is recyclable. For disposal, please contact your dealer or waste disposal center.



Battery Charging

Check if the battery is turned off (see page 13: "Activating/Deactivating the Battery"), and connect the 3.5mm plug of charger to the socket above the battery power cable connection.

When the charger is turned on, the indicator light is **green**.

When connected with the battery, the indicator light turns **red**.

When the battery is fully charged, the indicator light will turn **green** again.

The battery can be charged on or off the bicycle. In the latter case, unplug the blue plug (see page 13: "Battery Cable Connection"), open up the seat clamp, and remove the battery from the frame.

Troubleshooting: If no indicator light is on, please check the connection between the wall socket and battery. If the charger still does not work after checking, please contact your dealer. If your charger cable is damaged, please stop using it immediately and replace it at the dealer as soon as possible. This is related to your safety.

Safety Tips:

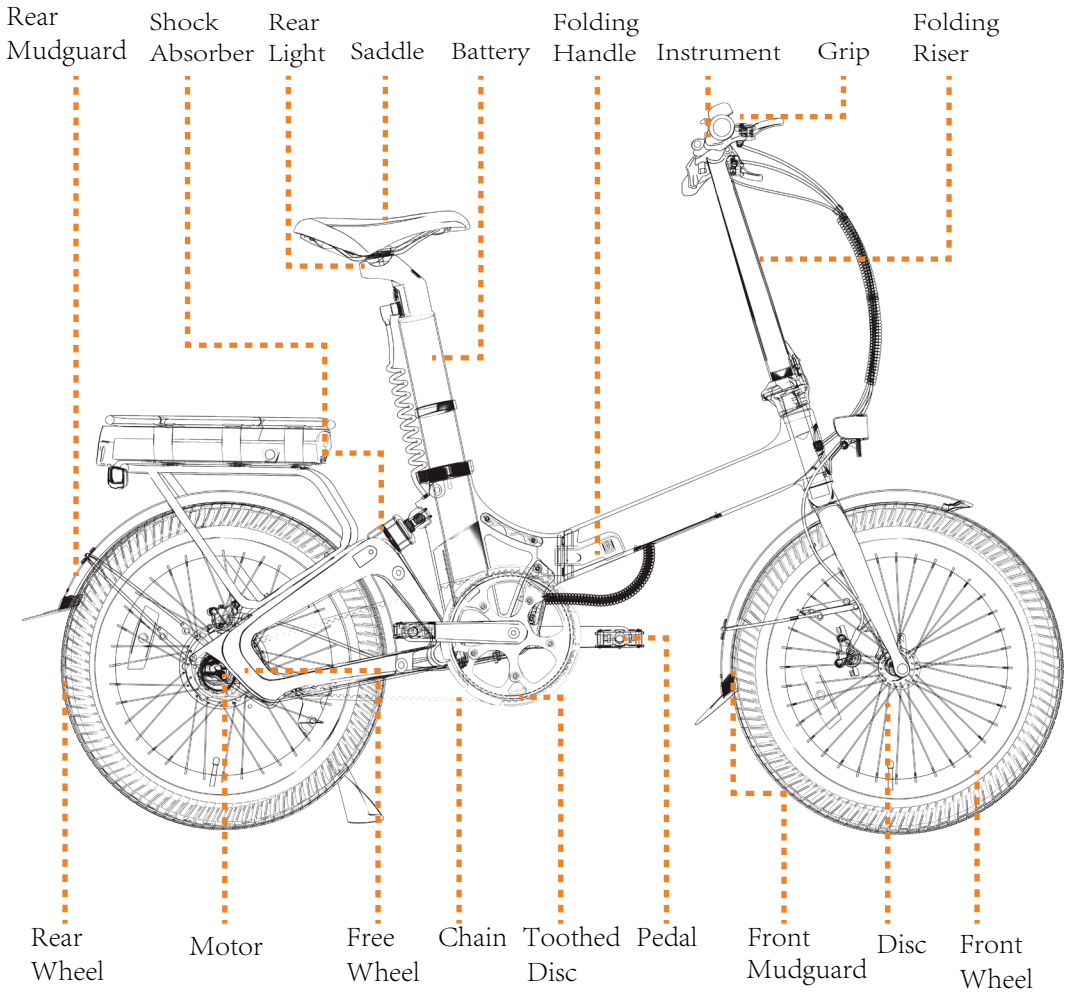
Users should gradually adapt the assist power. It is strongly recommended that you use a new NOMAD in an open area with the assist level set to "0". When you adapt to the bicycle, please gradually increase the assist level using the "+" button on the instrument. During the operation, the motor will make a slight noise, which is normal and its intensity varies according to the motor load.

When walking or carrying the bicycle, please turn off the power to avoid accidental activation of the motor.

TECHNICAL PARAMETERS

Bicycle size	1630x625x1195mm
Folded bicycle size	920x450x800mm
Battery	36v 21700 10Ah
Charging time	5H
Motor power	250W
Controller	36v Sine Wave
Sensor	Torque sensor
Charger	42V 2A
Range	Up to 120 km (75Miles)
Front light	D-044 30LUX
Rear light	SOLO 5-48V
Wheels	INNOVE 20*2.25
Transmission system	Carbon needle belt
Brake	Hydraulic disc brake
Load capacity	≤110KG

Product Structure



USAGE INSTRUCTIONS



Folding:

For easy carrying, NOMAD can be easily folded in seconds. Please follow these steps: Push the pedals inward and pull them up or down to complete the folding.



Folding Handlebar:



Instructions for using the quick-release device on the handlebar: Pull up to unlock and loosen for angled adjustment; press down to fix the handlebar.



Press the safety pin above the folding handle, then open the handle outward to unlock the folding riser.

After opening the seat tube clamp, insert the battery, and close the seat tube clamp.



Finally, open the frame folder to fold the frame.



Unfolding:

Simply repeat the folding steps in reverse order.



Note: For safety reasons, please ensure you hear a clear click when locking various quick-release devices (frame, riser, handlebar) .

Pedal Height Adjustment

Unlock the seat tube clamp by pulling the clamp lever, then adjust the pedal height. Once the pedal height is adjusted, please lock the seat tube clamp. For your safety, please follow the minimum and maximum height marks printed on the battery tube.

Battery On/Off

Battery cable connection: To connect the cable, insert the blue plug into the battery port until knob latch clicks, indicating the cable is correctly connected. To disconnect the power cable from the battery, rotate the blue plug a quarter turn counterclockwise and gently pull it out.



To use NOMAD, the battery must be turned on. When NOMAD is parked, the battery must be turned off. Press the button on the top of the battery to alternately turn it on or off.

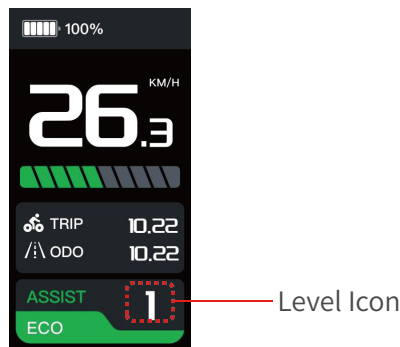
Basic Function Operation of the Instrument

1. Instrument Switch

In the off state, press and hold the Δ key to turn on the instrument, which will show the startup logo interface and then enter the basic function interface to start working. In the on state, press and hold the Δ key to turn off the instrument. The instrument will automatically turn off within the set shutdown time, which can be customized by the user in the advanced settings.

2. Assist Level Adjustment

On the basic function interface, short-press the Δ or ∇ key to switch the assist level, which can be adjusted between 0 to 5 levels.



Short-press Δ key to increase the assist level, and short-press ∇ key to decrease it.

3. Riding Information Switch

On the basic function interface, double-click ∇ key to switch riding information in sequence, alternating between Function Display interface I and Function Display interface II.

Basic interface I shows single trip distance and total distance during a single ride;

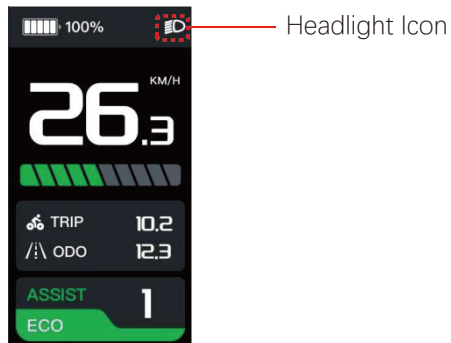
Basic interface II shows the riding time and total distance.

The interface switching process is shown in the following diagram:




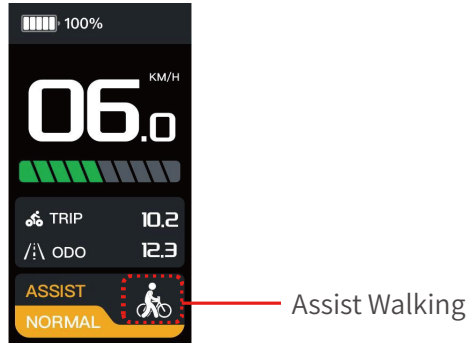
4.Headlight Control Function

On the basic function interface, double-click the Δ key to turn on the front light. At the same time, the headlight icon will be displayed in the upper right corner of the instrument to indicate the on state. Double-click the Δ key again to turn off the front light. The interface is displayed as follows:



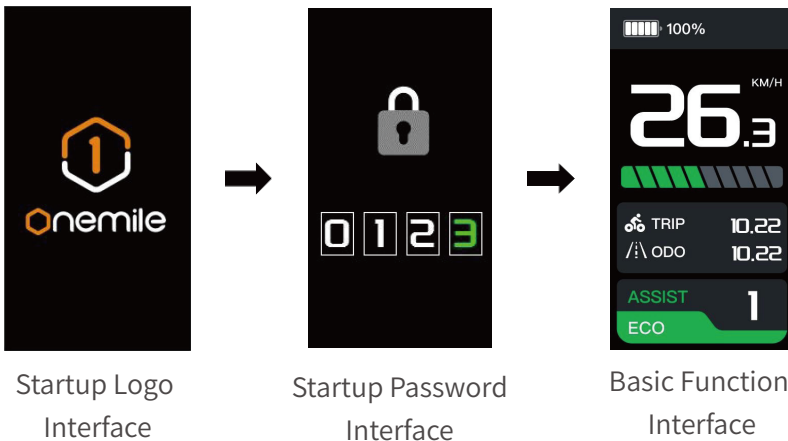
5. Assist Walking Function:

On the basic function interface and when the level is not 0, press and hold the ▾ key to enter the walking assist mode. The instrument will show the walking assist icon  and the actual walking speed, and the assist level display area will show the walking icon. Release the ▾ key or press any other key during walking to exit the walking assist mode.



6. Function Interface Introduction:

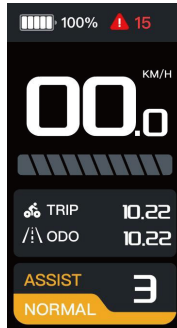
Startup Logo Interface and Basic Function Interface:



The logo interface appears for 2 seconds after power-on. If the password is enabled, enter this interface and input the password to enter the basic function interface; if the password is not enabled, directly enter the basic function interface.

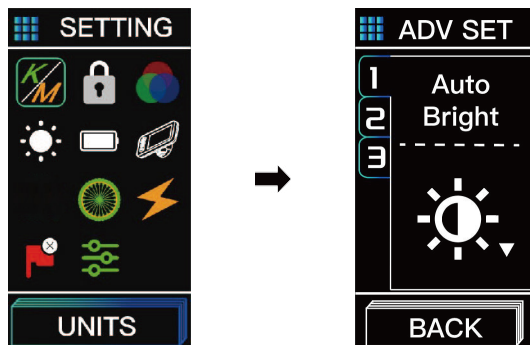
Fault Code Display Interface:

When the instrument receives fault information returned by the controller, it will show the fault code to prompt the user about the electrical system fault. Fault codes are displayed numerically. Refer to "Error Messages" for fault code details.



Setting Interface:

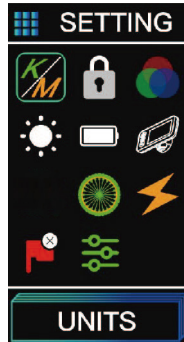
Press and hold the Δ and ∇ keys simultaneously on the basic function interface to enter the setting interface. Short-press the Δ or ∇ key to select setting items in sequence.



1. UNITS: Unit setting, switch between metric KMH and imperial MPH.
2. PWD: Password setting, ENABLE or DISABLE.
3. UI MODE: Display mode setting, POSITIVE or NEGATIVE display.
4. BRIGHTNESS: Backlight brightness setting, adjustable in 1-5 levels.
5. BMS INFO: Battery information setting, including remaining battery percentage (SOC), voltage, and current.
6. DIS. VER.: Display information setting, including BOOT version (BT), software version (SW), and hardware version (HW).
7. WHEEL SIZE: Wheel size setting, parameter range from 10inch to 35inch.
8. VOLTAGE: System voltage setting.
9. TRIP CLEAR: Single trip distance reset setting.
10. ADV.SET: Advanced settings, including automatic brightness setting, sleep time setting, and factory reset.

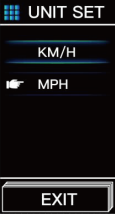
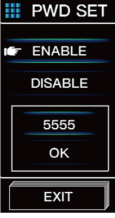


Basic Setting Functions of the Instrument:

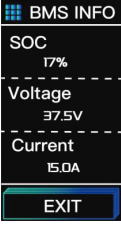
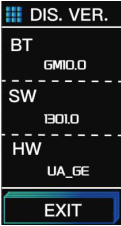


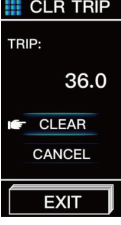
After power-on, press and hold the Δ and ∇ keys simultaneously on the basic function interface to enter the setting interface. As shown in the figure:



Short-press the Δ or ∇ key to select setting item icons. Double-click the Δ key on the selected setting item to enter the corresponding sub-setting interface. On the sub-interface, short-press the Δ or ∇ key to select setting parameters, double-click the Δ key to confirm the parameter setting, or select EXIT to exit the current configuration interface and return to the upper menu. On the menu interface, press and hold the Δ and ∇ keys simultaneously to return to the basic function interface.

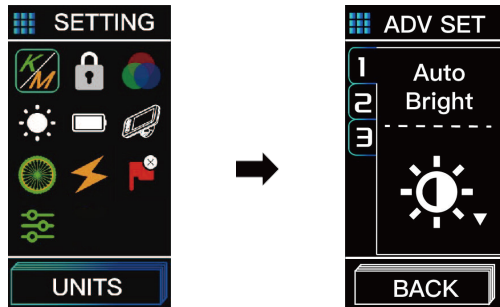
The setting interface first enters the system-level parameter setting interface. The instructions of each parameter setting interface is as follows:

Setting Item	Interface Content	Setting Parameter Definition	Parameter Value Definition	Remarks
Unit Setting			Parameter Value : KM/H,MPH	
Password Setting			Parameter Value : ENABLE DISABLE	
UI Setting			Parameter Value : POSTIVE NEGITIVE	
Backlight Brightness Setting			Parameter Value : 1-5	5 is the brightest

Setting Item	Interface Content	Setting Parameter Definition	Parameter Value Definition	Remarks
BMS Information		Setting Parameter Definition: SOC: Battery Percentage Voltage: Voltage Current: Current		
Instrument Information		Setting Parameter Definition: BT: BOOT Version SW: Software Version HW: Hardware Version		
Wheel Size Setting			Parameter Value : 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35	Unit : inch
System Voltage Setting			Parameter Value : 24,36,48	Unit: V
Single Trip Distance Setting			Parameter Value : CLEAR-Reset Single Trip Distance CANCEL-Save Single Trip Distance	

Advanced Setting Functions of the Instrument:

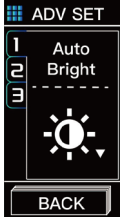



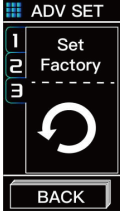

After power-on, press and hold the Δ and ∇ keys simultaneously on the basic function interface to enter the setting interface. As shown in the figure:



Enter the advanced setting interface. Short-press the Δ or ∇ key to select setting items, double-click the Δ key to enter the sub-interface. On the sub-interface, short-press the Δ or ∇ key to select parameters, double-click the Δ key to confirm, then short-press the Δ or ∇ key to select the OK icon and double-click to save and return to the upper level. Or select the EXIT icon and double-click to save and return to the basic setting interface.

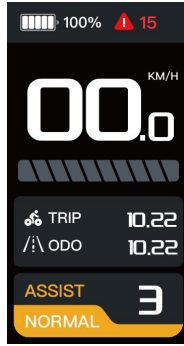
Operation Instructions for Advanced Setting Functions:

The instructions of each function parameter under the advanced settings interface are as follows:

Setting Item	Setting Interface Content	Sub-interface Display	Parameter Value Definition	Remarks
Parameter Value Definition			Parameter Value: Yes-on No-off	
Sleep Time Setting			Parameter Value: 5,10,15,20,25,30	Unit: minutes
Factory Reset			Parameter Value: No-Keep Current Settings Yes-Restore Factory Settings	

Instrument Error Messages:

The error code interface is displayed as follows:



Fault Code Comparison Table (Tongsheng Protocol):

Fault Code	Definition
1	Temperature Protection
2	Short Circuit Protection
4	Throttle Fault
5	Motor Phase Loss
6	Torque Fault
7	Locked Rotor Fault
8	Undervoltage
9	Overvoltage
10	Hall Fault
15	Communication Error

BICYCLE MAINTENANCE

NOMAD's components are carefully selected to ensure you have an excellent riding experience every time. NOMAD will provide you with the best experience, but it requires careful care from the user.

Regular Inspections:

- Tire condition (pressure, wear)
- Brake operation and brake pad condition
- Tightness of handlebars, frame locks, folding quick-release levers, and seat tube clamps
- Light function
- Front wheel quick-release tightness and rear wheel screw tightness
- Derailleur condition: To ensure smooth operation of the derailleur, keep it clean and lubricate the chain with a suitable product for bicycle derailleurs.



Do not use spray lubricants!
There is a high risk of contaminating the brake pads, which should be replaced!
Please contact your dealer, who will provide you with appropriate lubricant recommendations.

NOMAD Service:

Please have your dealer perform an annual inspection service to ensure your NOMAD is in good working condition and replace worn parts such as tires, brake pads, bearings, and derailleur components in the correct manner.

LEGAL INFORMATION

Warranty:

Onemile provides the original purchaser with a warranty covering parts and labor for the frame, front fork, and original components of each new One Mile bicycle, valid for the following periods:

2-year warranty for electrical components:

- Motor
- Battery
- Wires
- Instrument and buttons

12-month warranty for other components:

- Brake levers, brake calipers
- Handlebars, folding handles, telescopic risers
- Pedal
- Wheels (excluding tires and tubes)
- Shock absorbers

36-month warranty for the frame and front fork, subject to the following conditions:

The maximum authorized load weight (rider + luggage) is 110 kg.

NOMAD's frame and front fork are covered by a limited warranty against manufacturing defects that may cause failure, excluding paintwork or failures caused by improper use of NOMAD.

Limited Warranty Statement:

Unless otherwise specified, the sole remedy under the above warranty or any implied warranty is limited to the replacement of defective parts with parts of equal or higher value, at Onemile's sole discretion. This warranty is effective from the date of purchase, applies only to the original owner, and is transferable after 2 years from the date of purchase. Onemile disclaims liability for direct, indirect, or consequential damages, including but not limited to personal injury, property damage, and economic loss, whether such liability is based on contract, warranty, negligence, product liability, or any other basis.

Onemile does not provide any other express or implied warranties. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the term of the above express warranties.

All warranty claims must be made through an authorized Onemile dealer or distributor. A sales receipt or other proof of purchase date is required before processing a warranty claim.

Warranty claims made outside the country of purchase may be subject to additional fees and restrictions. The duration and details of the warranty may vary depending on the region or country of purchase. This warranty gives you specific legal rights, and you may also have other rights that vary by country. This warranty does not affect your statutory rights.

Warranty Exclusions:

Normal wear of parts such as tires, belts, brake pads, bearings (steering, wheels, bottom bracket), sliding bearings, cables, and gears without assembly failures or material issues.

- Bicycles maintained by repair shops other than authorized Onemile dealers;
- Parts or bicycles that have been modified without authorization;
- Using the bicycle for abnormal activities, competitions, commercial purposes, or other purposes inconsistent with the bicycle's design intent;
- Damage caused by failure to comply with the user manual;
- Damage to the paintwork and decorations caused by participating in competitions, jumping, descending, or training for these activities, or exposing the bicycle to severe weather or other conditions;
- Modifications or polishing of the frame paintwork;
- Labor costs for replacing or changing parts;
- Changes in battery consumption and performance, and loss of battery capacity that does not constitute a substantial defect.

Unless otherwise specified in this warranty or bound by any other additional guarantees, Onemile, its employees, and agents shall not be liable for any loss or damage related to the user's use of the Onemile electric bicycle, including incidental and consequential loss or damage caused by the user's negligence or fault.

Battery Warranty Limitations:

The battery will not be covered under warranty if:

- The battery is discolored;
- The battery case is damaged;
- The battery is opened.

Compliance:

Hybrid bicycles with a maximum electric assist speed of 25 km/h comply with the requirements of the European Machinery Directive 2006/42/EC.

These bicycles also comply with the following standards:

-Electric bicycles: EN 15194

Disclaimer:

We explicitly advise against modifying your bicycle. The term "modification" refers to removing or replacing any original equipment or modifying your bicycle to change its design or operation. Such modifications will seriously affect the bicycle's handling, stability, and other characteristics, making it unsafe to ride. These modifications may also make your bicycle non-compliant with applicable laws and regulations.

To ensure the safety, quality, and reliability of your bicycle, please use only original parts or parts approved by Onemile dealers for repairs and replacements. Onemile shall not be liable for any direct, incidental, or consequential damages, including but not limited to personal injury, property damage, or economic loss caused by modifications.

Technical data is subject to change without prior notice.



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