

Navihood L1

for Smart GPS Satellite Navigation
Bike Computer

Quick Start Guide




Designed by Meilan, Assembled in China.



Note:

1. After connecting to the APP, you can quickly access relevant instructional videos in the APP -Navihood L1.
2. Most of the functions of this computer can be set and controlled through the APP, making it very simple to use.

APP Connection

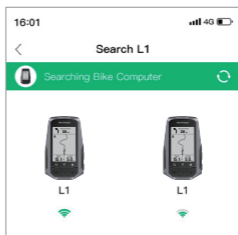
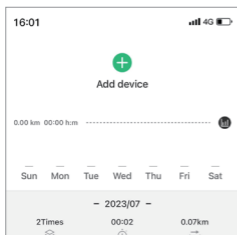
Please install the  on your smartphone by downloading it from the  or . Chinese users can download it through Xiaomi App Store, Huawei App Market, or OPPO Software Store. You can also scan the QR code on the right to download the app.




APP download

After registering and logging in to the app, turn on your phone's Bluetooth, search for and grant location permissions.

Turn on the L1 and add the computer in the app by selecting L1, starting the search, and clicking connect.



When the computer prompts for pairing, press  to agree. To ensure a smooth experience, please authorize the app permissions for phone calls, messages, location, camera, storage, and battery in your phone's system settings. If you have any third-party system management software installed on your phone, make sure it does not interfere with the app's normal use. Please update your phone's system to the latest version to avoid any issues. For more information on using the computer and app, please visit the "Help Center" and "Feedback" sections within the app.



The Package Includes

- the Navihood L1 host
- a TYPE-C data cable
- an instruction manual
- a bicycle-specific fixing bracket (including four rubber bands)
- an anti-loss hanging rope

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This Computer is developed and produced by MEILAN, and we reserve the right to modify this manual. If there are any changes, we will not notify separately. We are not responsible for any errors contained in this manual or any incidental or consequential damages resulting from the use of this manual.



1. Safety Warnings and Usage Notes

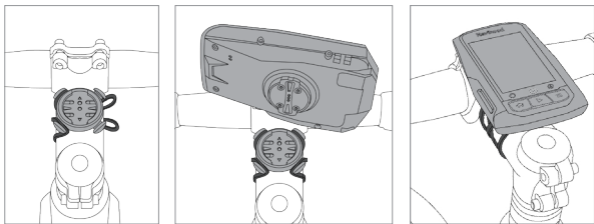
Failure to observe the following safety instructions may result in serious injury or loss:

1. The account information and user ID you use when registering are the only information we can use to confirm your legitimate use, so please keep it safe.
2. When you log out of your account or delete a sports record, our server will permanently delete your data, which is an irreversible loss and also a protection of your personal privacy.
3. Since you have agreed to share your data with third-party APP platforms, the data you share through the  to third-party platforms will no longer be under control, so please pay attention to the security of your data.
4. The navigation planning function provided by this computer can only be used as a reference. Due to the possibility of road changes or delays in map data updates, please journey to ensure your safety. Do not focus on the computer while riding.
5. Do not impact this computer, do not place it in high temperature or fire, and do not immerse it in water or other liquids. Follow local laws and regulations when disposing of waste items.

2. Computer Usage Instructions

2.1 Installation of the Computer

- ① Select a set of rubber bands that are suitable for the diameter of your vehicle's handlebars, and fix the computer mounting bracket diagonally onto the bicycle.
- ② Align the computer with the insertion port and rotate it 90 degrees to securely insert the computer.



State

- A. This package does not provide a forward extension mounting bracket. You can purchase a suitable forward extension mounting bracket for your bicycle separately according to its structure.
- B. To prevent breakage, this computer's mounting bracket interface uses a patented metal interface. Please use a bicycle mounting bracket that is of appropriate specifications and has a quality guarantee. Any damage caused by unofficially recognized mounting brackets will be borne by the consumer.

2.2 Button Function/Backlight on/Status Pages




Number	Symbol	Short Press	Long Press
1		Data page: Zoom in display window Navigation or track page: Zoom in route Setting page: Increase value	/
2		Data page: Zoom out display window Navigation or track page: Zoom out route Setting page: Decrease value	/
3		Short press: Turn on/off backlight Continuous short press twice: Display status page, click other keys to disappear, power on/off	power on/off
4		Short press during recording: Split segment LAP	Enter operation menu
5		Short press once: Start recording	Save recording
6		Short press again: Pause recording	Quickly enter navigation page




Short press to turn on the backlight. Short press again to turn off the backlight. Press twice in quick succession: Display the status page. In the status page, short press to adjust the backlight brightness. After adjusting, short press any other key to exit the status page. This computer has automatic backlight function, it will automatically turn on/off the backlight when the ambient light changes.

2.3 Communication Interface and Charging

The TYPE-C interface of this computer has communication function. In the power-off state, you can quickly copy files from a computer. You can charge the computer using a mobile phone charger or a computer USB interface. Maximum input standard: DC 5V, 1A. When the computer is overheated, the charging process may be interrupted.

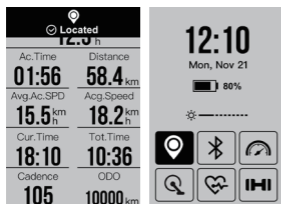
2.4 Computer Activation

Long press  to power on the computer. After GPS positioning, press  to begin your journey. Press  twice in quick succession to display the status page; press any other key to exit the status page.

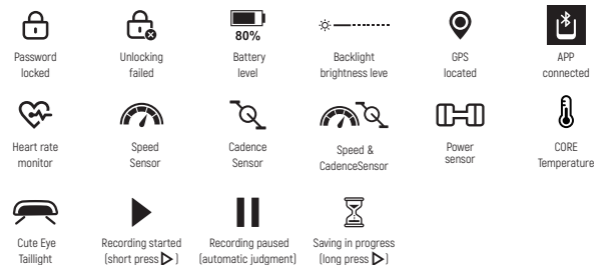
Short press  to switch to the next page. During recording, press  to segment your journey. An unfinished journey will be automatically continued after the next power-on. To end the journey, long press  and save the record. Upload the file to the app, and you can see your wonderful journey on the app.

2.5 GPS Status and Symbols

When the computer has not been used for a long time, GPS may require up to 1 minute for positioning, depending on the strength of the GPS signal in your environment. If recording is started before GPS positioning, some of your data may not be saved or the time may be incorrect. Please wait for GPS positioning before starting recording. You can confirm GPS positioning on the following interface.



GPS may not work properly near tall buildings, bridges, tunnels, indoors, etc. If your computer is close to any other global positioning computer using a similar frequency band, it may be interfered with. In some sensitive areas, it may even cause the GPS to stop working completely. Please stay away from these environments.



2.6 Password Setting & Unlocking

After the computer is successfully connected to the APP, you can set a password for the computer through the APP. Please keep the password properly. After the password is set successfully, the password is the only credential for you to enter the computer. Forgetting it will result in the inability to use the computer normally.



After you set the password, the computer will ask you for the password every time you turn it on. You can unlock it in two ways:

- ① Connect the mobile APP to the computer, and it will automatically unlock when you get close to it.
- ② Enter the password on the computer to unlock it.

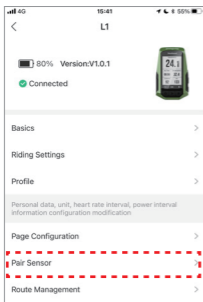


Note:

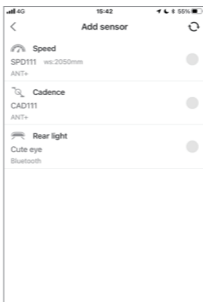
1. If the computer is reset to factory settings, the password will be reset to zero.
2. This password setting is only one way to protect your personal property and privacy. Its security level is low, so please do not use it as the only way to protect your property. Consumers are responsible for any losses caused by this.

2.7 Connection of Speed/Cadence/Heart Rate/Power Sensors

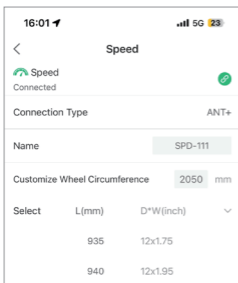
Click "Pair Sensor" in APP-L1. L1 will start searching for sensors. Please pedal the bike to ensure that the sensor is activated. Select the corresponding sensor and add it, and the connection is successful. When a speed sensor is connected, you can set the wheel circumference under the sensor menu (you can also select it directly from the model list).



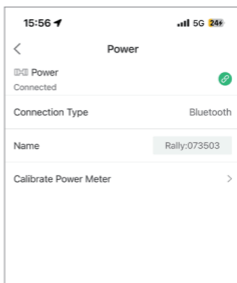
Pair Sensor



Add Sensor



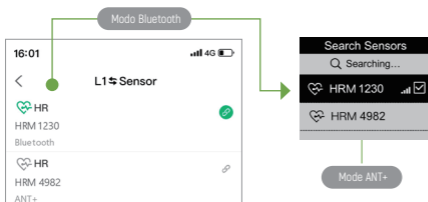
Customize Wheel Circumference



Power Meter Calibration

Supported sensors and wireless connection methods

Speed	BLE	ANT+
Cadence	BLE	ANT+
Speed & Cadence	BLE	ANT+
Heart Rate Monitor	BLE	ANT+
Power Meter	BLE	ANT+
CORE Temperature	/	ANT+
Cute Eye Rear Light	BLE	/
Di2	/	ANT+




How to determine the wheel circumference?

1. Find the corresponding model from the wheel check the table.
2. Make a mark O on the wheel, mark a starting point A on the ground, let the wheel roll one circle on the ground and return to the mark O. The distance between point A and point B on the ground is the wheel circumference.




2.8 Basic Settings

2.8.1 Language Setting

- ① Language Setting: Quick settings can be made in "APP → L1 → Basics → Language".
- ② Or set it in the  → **General** → **Language**

2.8.2 Time Setting

- ① After your computer is paired with the APP, the time of the computer will be automatically corrected to the time displayed on your phone.
- ② Please turn on the power of the computer, set the time zone of your location in the →  → **General** → **Time Zone** of the computer (you can search it on the Internet), and then push the bicycle to an open road to wait for GPS positioning (try not to have high-rise buildings or bridges around, how to judge the positioning success, please refer to [2.5 GPS status and symbols]). The first positioning or long-term non-use, or when the surrounding GPS signal is poor, the positioning time may be slightly longer, which is within the normal range within 2 minutes. After GPS positioning, the time and date will be automatically corrected to the correct time.
- ③ Summer Time setting:

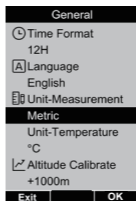
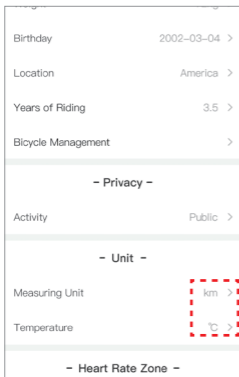
If you often use the APP to connect the computer to correct the time of your computer, the daylight saving time of the computer will change with the network time of the phone, and you do not need to do anything special.

If you use the GPS positioning of the computer to correct the time after setting the standard time zone, please turn on the switch to use daylight saving time on the computer.

UTC/GMT +1
ON

2.8.3 Unit Setting

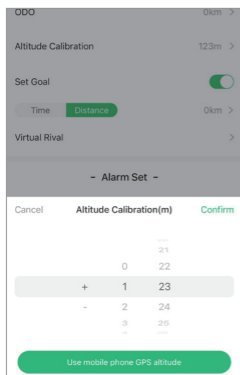
- ① When the APP is connected to the computer, you can set the unit to metric or imperial by going to "More → Profile → Unit" in the APP.
- ② You can also set the unit in the computer by going to "Setting → General → Unit Measure".



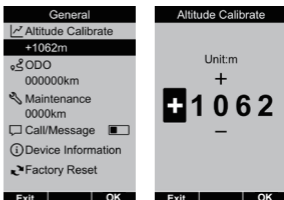
2.8.4 Altitude Calibration




When measuring altitude with a barometer, there may be some initial errors in the value. It is recommended that you check the accuracy of this value before each ride. You can manually input the correct value to calibrate the actual altitude. If this value is incorrect, many altitude-related data or charts may be inaccurate.

- ① When the APP is connected to the computer, you can calibrate the altitude value by going to "L1 → Riding Settings → Altitude Calibration" in the APP



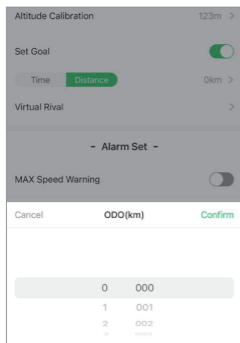
- ② You can also set the unit in the computer by going to "Setting → General → Alti. Calibrate".



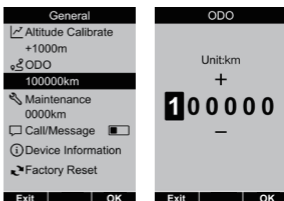
Use the right button  on the computer to move the cursor and the button   to change the altitude value.




2.8.5 ODO Setting

- ① When the APP is connected to the computer, you can set the ODO value by going to "L1 → Riding Settings → ODO" in the APP.



- ② You can also set the ODO value in the computer by going to "Setting → General → ODO".




Use the right button  on the computer to move the cursor and the button   to change the ODO value.

2.8.6 Setting for Weight / Heart Rate Zones / Power Zones

When the app is connected to the computer, you can set the weight, heart rate zones, and power zones through "L1 → Profile" in the app. However, the current settings will not take effect immediately if you are already in a recording session. They will only be applied and take effect during the next recording session.

16:01 4G 🔋

Profile

Profile Photo  >

Nickname Juan >

Gender male >

Height 175cm >

Weight 72kg >

Birthday 2002-03-04 >

Location America >

Years of Riding 3.5 >

Bicycle Management >

- Privacy -

Activity Public >

- Unit -

Measuring Unit km >

Temperature °C >

- Heart Rate Zone -

MAX HR HRR

MAX HR HRR

MAX HR 180 bpm

■ Zone 1(Warm Up) <108

■ Zone 2(Fat Burn) 109 ~ 126

■ Zone 3(Cardio) 127 ~ 144

■ Zone 4(Hard) 145 ~ 162

■ Zone 5(Peak) >163

[Restore Default Settings](#)

If the device is already in the record list, the modified heart rate zone value, power zone value will take effect when it is connected the APP next time.

- Power Zone -

Power Threshold 200 w

■ Zone 1(ART) <110

■ Zone 2(ET) 111 ~ 150

■ Zone 3(TET) 151 ~ 180

■ Zone 4(LTT) 181 ~ 210

■ Zone 5(VMT) 211 ~ 240

■ Zone 6(ACT) 241 ~ 300

2.8.7.12 Main Data Pages [Zoom In/Out, Data Modification, Sorting/ Hiding/ Adding]

This feature can only be operated through the app. Please ensure that the computer is successfully connected to the app. Go to "App → L1 → Page Configuration" to access the page settings interface.

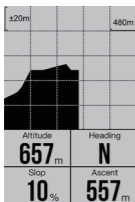
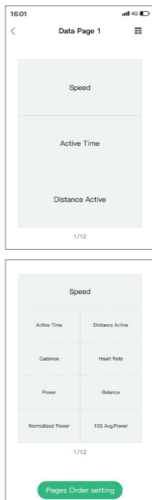
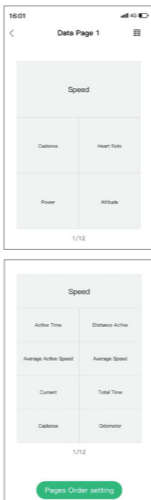
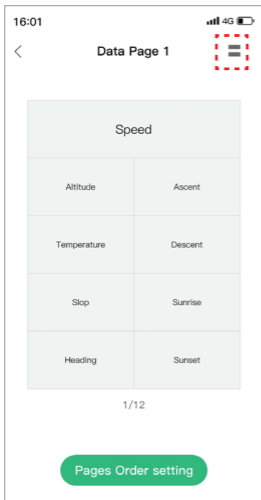
The computer includes the following pages:

① Common display pages and zoom in/out

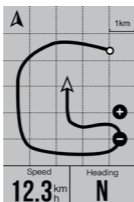
Speed 12.3 km/h	Speed 12.3 km/h	Speed 12.3 km/h	Speed 12.3 km/h	Speed 12.3 km/h
Ac.Time 01:56	Cadence 105	HR 133	Ac.Time 01:56	Distance 58.4 km
Distance 800 m	Power 123 w	Altitude 657 m	Ac.Time 01:56	Distance 58.4 km
			Ac.Time 01:56	Distance 58.4 km
			Altitude 657	Ascent 557 m
			Temperature 29 °C	Descent 0 m
			Slop 10 %	Sunrise 06:00
			Heading N	Sunset 19:00

Data pages 1-5

Click on the icon within the red box to switch between displaying 2-3-5-7-9 data variations.



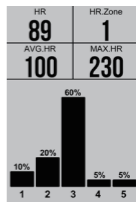
Page 6: Altitude data



Page 7: Track Page

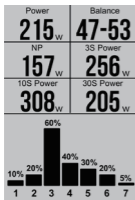
LAP	LAP Time	
5	00:10	
LAP DST	LAP Av.SPD	
6 km	12.3 km/h	
LAP	Time	DST(km)
5	12:11	12.2
4	10:02	10.1
3	18:21	12.6
2	05:01	11.9
1	08:02	13.4

Page 8: LAP data



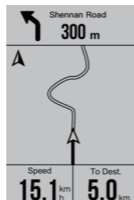
Page 9: Heart rate data

(only displayed when connected to a heart rate monitor)



Page 10: Power data

(only displayed when connected to a power meter)



Page 11: Route

(only displayed when the route is enabled)

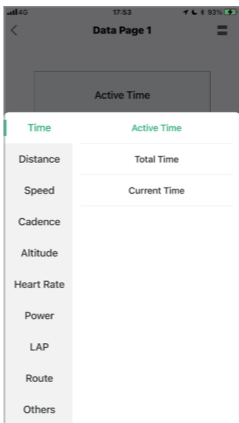
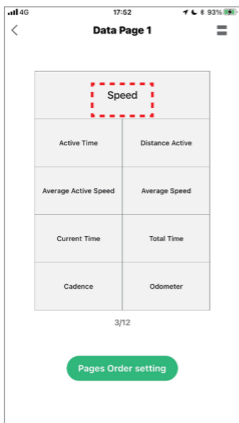


Page 12: Virtual Rival

(only displayed after starting a race or recording)

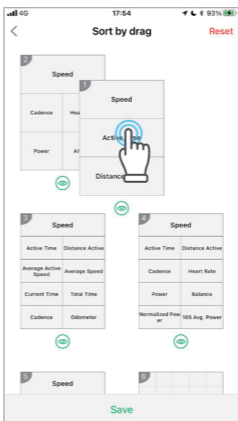
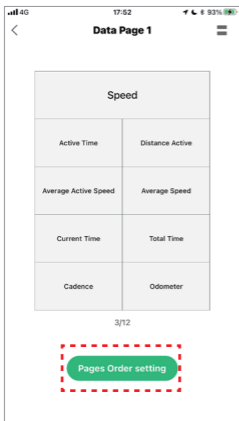
② Data modification

The computer supports displaying 107 data types, including speed, pace, distance, gradient, heading, heart rate, cadence, pedal power, CORE temperature, and more. Click on the data box and select the desired data name from the data list menu.



③ Page sorting / hiding / adding

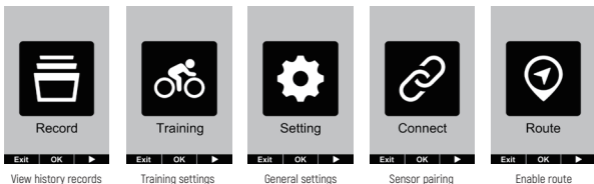
Click on the page display settings at the bottom of the page, drag the page to the desired sequence position.






click  to hide or add the display of that page.

3. Operation of the Main Menu

Long press  to enter the main menu options:



4. Recording Function & LAP Segmentation

- ① After GPS positioning is completed, you can start cycling by pressing  on the computer panel. The recording will automatically pause when cycling is paused or turned off. When cycling resumes, it will continue from where it left off.
- ② To end the cycling session, long press  to save the record. When the computer panel is connected to the app, the cycling record will automatically upload to the app for displaying. The next time the computer panel is used, it will start recording from zero.
- ③ LAP segment: You can divide your long-distance trip into several segments based on days or different destinations, which is very meaningful. However, please note that this function can only be used during recording. Press  to mark the start of a new route segment.

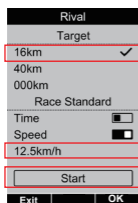


5. Record Viewing Function

- ① After each ride, connect the computer, with the APP, and the computer will automatically upload the newly generated records to the APP for you to view.
- ② The speed displayed after the riding record is uploaded to the APP may vary, depending on the network conditions in your location. If you find that there is missing data, you can click to transmit again in "More->Management" in the APP.

6. Exercise Function

- ① **Sport Mode** Set the cycling scene to sports mode, the default is road mode.
- ② **Auto Record** When the computer detects a speed of more than 3km/h, it will automatically start recording, and when the computer is turned off, it will save the record. When this mode is enabled, you do not need to manually control the start and save of the record, and one on/off will generate a record. If you need to continuously record for multiple days during long-distance travel, please turn off this function in advance.
- ③ **Auto LAP** You can set an automatic segmented standard based on distance or time according to your exercise needs.
- ④ **Auto Turn-Page** Set the data page cycle display time of the computer.
- ⑤ **Training Target** You can set the exercise goal for this time based on time or distance.
- ⑥ **Rival** Set a virtual opponent for training.



- 1) First, determine a competition distance goal.
- 2) Then, establish a competition standard (such as: how long it takes to complete it, or what average speed to maintain to complete it).
- 3) Finally, select "Start" and press "OK" to begin the competition. At this point, the main data page will display an additional virtual opponent page (as shown on the right).



- ⑦ **Alarm** According to your exercise needs or doctor's advice, preset a warning value for speed, cadence, heart rate, and power. When the actual exercise status exceeds this warning line, the computer will remind you.

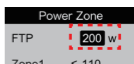
You can also set a reminder to drink water or replenish energy based on exercise intensity and weather conditions.



- ⑧ **HR Zone** Enter the maximum heart rate value during normal training (as shown in the figure on the right), and then press "OK". The computer will set the heart rate interval for you according to the maximum heart rate value method. It is recommended that you use the APP to operate this function.



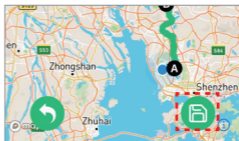
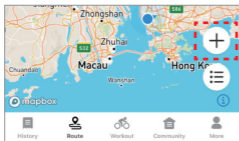
- ⑨ **Power Zone** Enter the power zone (as shown in the figure on the right), and then press "OK". The computer will calculate and display the power interval. It is recommended that you use the APP to operate this function.



7. Route Functions

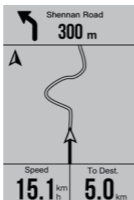
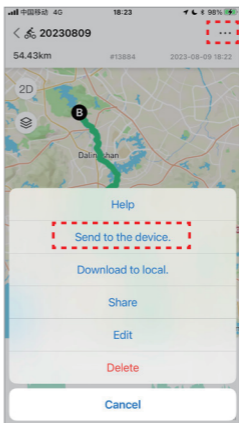
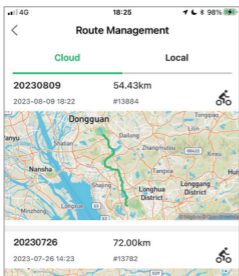
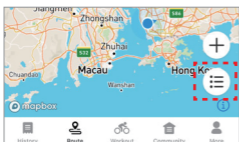
① Create a route in the "App--- Route"

Click **+** to create a route. First, click on the map to determine a starting point, then mark the waypoints you want to pass through (up to 10 can be added), and the final waypoint is the endpoint you choose. After the route is created, click **📁** to save it.



② Send the route to the computer

Connect the computer to the app, select this route in "Route → Route Management" in the app, and click "→ Send to the device." to start transmitting. During the transmission, do not leave this page or operate the computer, and wait for the progress bar to show that the transfer is complete. For large files over 300 km or frequent interruptions in transmission, it is recommended to use the computer copy method for transmission. For details, please refer to [9. How to Transfer Large Files].



③ Long press **≡** to enter the route list. Press **▼** to select a route, and then press "OK".

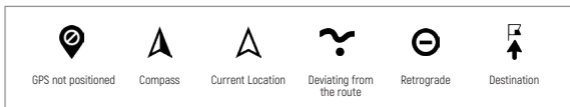
After GPS positioning is completed, a route guide page (as shown in the left figure) will be added to the main page

④ On the trajectory or navigation page, press **🔍** and hold to zoom in / out the route.

When on the navigation page, long press **≡** to end the current route.

- ⑤ You can also copy external route files (only supports .GPX format) into the computer through the TYPE-C interface or import them into the app. For details, please refer to [9. How to Transfer Large Files].

Meanings of commonly used symbols

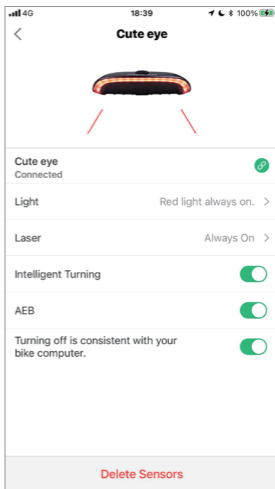
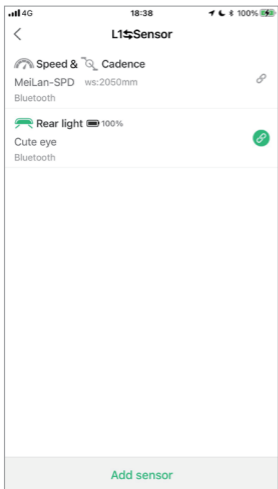


Inform:

- A. A very small number of Android phones may not be able to smoothly download, you can use a data cable to connect to a PC and copy the route file. Please refer to [9. How to Transfer Large Files].
- B. Due to delays in map updates, temporary road closures, weather conditions, and differences in navigation algorithms, there may be some deviation between the route guidance, road names, and actual road conditions. This route guidance is only for reference as an exercise.
- C. If your destination is not on an actual road (such as in a lake or on a roadless mountain), route planning may not be possible.
- D. The route planning process will be affected by the network speed in your area.
- E. When you purchase this computer the route function is free to use for 2 years, and there may be fees involved after that.


Additional Feature: Cute Eye Taillight Connection

You can search and add the Cute Eye taillight in the "L1 → Pair Sensor" section of the app. Once connected, you can quickly switch and manage the taillight's flashing mode, brake warning, and other functions. You can also turn on the automatic turn signal function, which will allow the taillight's left and right turn signals to be controlled by the computer's turn signal information.



8. Extended Functions of the APP

8.1 Synchronizing and Uploading to Third-party Platforms

Please authorize the third-party platform you need to upload to in "More → Application Authorization" of the APP. After authorization, the data you upload to  will be synchronized and shared with other third-party platforms. If you find that some data is missing, you can click "Upload to Strava again" in "Record Details → Share" to transfer it.

Note: Strava's data may be delayed in different regions; Komoot does not support uploading records without tracks; due to different calculation methods, the same data displayed on different platforms may have different values, which is normal.

8.2 Downloading and Sharing 3D Track Videos

Please open a record in the APP, click the play button on the track to enter the 3D video page, click "Save" and share the video. After saving, you can share it on platforms such as WeChat and Facebook.

Note: There may be charges for using 3D videos.

8.3 Upgrade of the Computer

When the APP displays "A new version needs to be upgraded", you can click this button to upgrade the computer. Please note that during the upgrade process, the computer and phone battery should be more than 20%, do not operate or exit the relevant interface during the upgrade process, and wait for the upgrade to complete. If the upgrade process is interrupted unexpectedly, please continue to complete the computer upgrade with the same account. If the Bluetooth connection of your phone is not good, you can switch to another phone to continue the upgrade. Generally, the stability of iPhone is stronger.

9. Transfer of Large Memory Files

For routes (GPX format) or records (.FIT format) with a distance of more than 500Km, or if the Bluetooth connection is unstable when connected for a long time on a very small number of Android phones, we recommend that you use the TYPE-C data cable to transfer your cycling data for reliable operation. Please carefully evaluate this phenomenon. The reason for the loss of your important data may be complicated, and we will not be responsible for it.

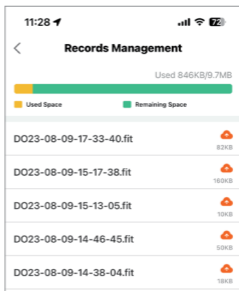
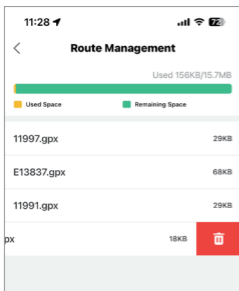
Turn off the computer, connect the computer to the computer with a TYPE-C data cable, and then two mobile disks will appear on the computer:  L1 Record and  L1 Route. You can:

- ① Copy the large file records generated on the computer from the Record folder, and then transfer them to the phone through the computer (please refer to the "Add Activity" section on the APP for the path). Manually add this record in "More → Add Activity" of the MEILAN APP, and it will be displayed.

- ② Save the route file generated by the APP on the phone, then transfer it to the computer, copy it to the "Route" folder of the computer through the computer, and then enable it in the computer 's navigation. This navigation file can be run on the computer .
- ③ Similarly, you can delete, format and perform other operations on the files in these two folders through the computer to free up more storage space.

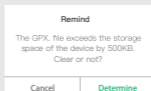
10. Management of Computer Files

You can view the routes and record files saved in the computer through the "L1 Settings Menu → Route Management / Record Management" in the app. From there, you can perform operations such as re-uploading, deleting, or formatting them.



You can also delete or format files in these two folders using a computer to free up more storage space. For detailed instructions on how to transfer larger files, please refer to the guide on [9. How to Transfer Large Files].

Note: By default, the records uploaded to the APP will be automatically deleted by the computer . If the computer storage is full, it will prompt a message and start deleting the earliest record to free up storage space. If you still want to keep the records on the computer , you can turn off this switch in the "L1 → Basics → Delete History Records" of the APP.



11. Setting for Displaying Mobile Phone Information

After the APP is connected to the computer, you can turn on in the "L1 → Basics → Call/MSG Reminder" of the APP, and in the "System Settings → Applications → Permission Management" of your phone, grant permission to read phone calls and messages. Once authorized, phone calls and messages on your phone will be displayed on the computer .

12. Help and After-sales Service

This computer is under warranty for two years from the date of purchase, excluding damage caused by human factors.

If you encounter any difficulties during use, you can find us through the following channels:

- ▶ Troubleshooting guides in various functional sections of the APP. For example, how to import from a computer to the device?
- ▶ "More→Help Center" in the APP or "Contact Us" on the official website
- ▶ After-sales email: service@meilankj.com
- ▶ Phone: +86 0755 23159119
- ▶ Working hours: Monday to Friday, 09:00-17:00 China time
- ▶ MEILAN's official social media accounts: Facebook, YouTube, and website



Facebook



YouTube



Website

Manufacturer: Shenzhen Meilan Technology Co., Ltd.

Address: 5th Floor , Building B16, Hengfeng Industrial City, Hezhou, Hangcheng Street,
Baoan District, Shenzhen City, Guangdong Province, China

Tel: +86 755 23159119

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