Catalog

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1. Introduction

1.1 Turn on/off the device

Press and hold the power button ⊟ for 3s to turn on/off the device. Press and hold for 10s to force shutdown of the device.

1.2 Select time zone

Settings-General-Time Zone

Noted:

1) User only needs to set the time zone, the date and time will be automatically calibrated after satellite positioning.

1.3 Select language

Settings-General-Language

（简体中文，繁體中文, English，日本語, Русский, Français, Deutsch, Português, Español ）

1.4 Select unit

Settings-Unit-Select unit

(Kilometer/Miles; Celsius/Fahrenheit）

1.5 Fulfill user profile

Settings-User Profile-Fill in a user profile

(Filling in your personal information allows the data to be collected by the device more accurately while using it)

1.6 Paring with mobile phone

Settings-Pair APP-Download (if you don't have the APP)/Enter the pairing code connected to the phone.

(Users can scan the QR code in the device or download the Link-S APP from the APP Store/our product's official website; also users can change the nickname of the bike computer by setting the device use name, which is named BCM401 by default)

Noted:

1) The firmware update of the bike computer can only be updated through the Link-S APP. In order to ensure the best performance and latest functions of the device, please make sure to connect your smartphone to it.

1.7 Charge

1. The bike computer has a built-in rechargeable lithium battery, users can use the Type-C charger to charge it;

2. Open the protective cover of the rubber plug on the Type-C interface on the back of the device;

3. Connect the Type-C charging cable;

4. Wait until the device is fully charged.

Noted：

1) It is recommended to charge when the device prompts that the battery is insufficient (when the battery is insufficient, the device will have a pop-up window or the icon in the upper right corner will turn red);

2) After the charging is completed, please cover the protective cover of the rubber plug on the Type-C interface;

3) Please use the original Type-C charger of the device;

4) It is not recommended to use the fast charging adapter to charge the bike computer, which may cause damage to the battery of the device;

5) Do not overstretch the rubber plug protection cover on the Type-C interface to ensure that the device is waterproof and dust-proof.

2. Operation Instructions

2.1 Button's Functions

SN	Name	Functional Description
①	**⊟** **Power button**	**Power off：Long press - Power on** **Power on：①Short press - Screen off/on** **②Long press for 3s and the shut down confirmation window pops out.** **③Long press for 10s to force shutdown** **④Double tap quickly twice switch to the rainy mode（the screen will be locked, press any key to unlock it)**
②	**▶❚❚** **Start cycling**	**In any interface: Short press - enter the riding page** **On riding page: ①Short press-start/pause recording** **②Long press-Terminate cycling session**
③	**↻** **Lap count**	**On riding page: Short press-Press once to record one lap** **(If need to record a second lap, press it again)**

2.2 Icon Description

No satellite signal	Has satellite Signal	Battery	TF Card	Rainy Mode
APP Connected	Sunrise	Sunset	Speedometer	Cadence
HR Monitor	Power Meter	Cycling Trainer	Bluetooth	Start training
Pause	Auto Pause	Riding Time	Riding Distance	Riding Posture
Altitude	Virtual Rival	Low Power	Safety Alert	Clearing the active path
Incoming Call	Message	Position at the end of positioning	Current Location	Data uploading

3. Cycling Preparation

3.1 Bike computer mount installation steps：

1. Place the rubber pad and the bike computer mount at a suitable position on the bicycle handlebars;

2. Use the screws to fix the mount;

3. Align the protruding position of the buckle on the back of the computer with the slot on the base of the computer mount;

4. Place the bike computer on the computer base, and rotate it 90°.
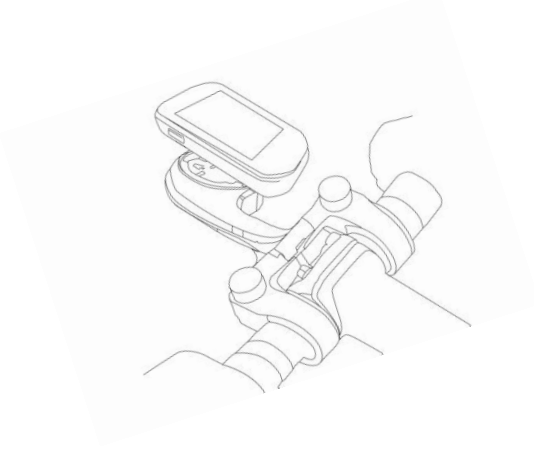
Noted：

1) It is recommended that the users use the official computer mount, bracket, and extension bracket to avoid damage to the computer buckle.

3.2 Search for satellite signals

1. Upon device boot-up, it will initiate an automatic search for satellite signals. To ensure reception of these signals, users are

advised to proceed outdoors, away from tall buildings and trees. It is important to keep the device stationary with the display facing upward and refrain from touching it during the search process;

2. For accurate collection and recording of cycling trajectory data, it is recommended to verify satellite signal acquisition before commencing cycling;

3. When the signal icon transitions from ⛌ to 📶 , it indicates successful positioning.

(In the riding mode interface, "Locating..." will be dispalyed until a valid position is acquired.)

3.3 Pairing with sensors

If you possess peripheral sensors such as Speed/Cadence sensors, heart rate monitors, or power meters, it is essential to pair these sensors with the device before initial use. Follow the steps below in the settings menu under "Sensors":

1. Select the type of sensors that you want to connect;

2. Activate the "Search" function to locate the target sensor;

3. From the search results, choose the corresponding sensor and confirm the connection by clicking OK.

(Note: This bike computer supports connectivity with all ANT+ peripheral devices. Ensure the peripheral sensor remains active

during the search process. Once the connection is successfully established, the ID number of the corresponding sensor will be displayed)

Noted (regarding connected sensors):

1) To temporarily disable or enable a connected device, toggle its status between on and off using the device switch button;

2) To remove a connected sensor from the pairing list, press and hold the corresponding button on the device to delete it.

3.4 Cycling training goals

Users can personalize cycling training goals on the bike computer, including course/time, calorie consumption, and more, for each training mode. The computer will provide real-time feedback on progress toward goal completion, assisting users in improving their fitness and riding skills.

Proceed as follows:

1. Home page-Goal-Select riding mode;

2. Set the values

(These values will be saved automatically, allowing users to return to the home page and commence training)

4. During riding

4.1 Riding data

1. Upon detecting the satellite signal, pressing the ▶‖ button will navigate to the riding data page and initiate the recording of the session; (If already on the riding data page, the session recording will start immediately)

2. Press ▶‖ button during cycling session enables the ability to pause the recording state;

(If the "Auto pause" feature is enabled in the settings, pressing the button will toggle the manual pause functionality)

3. Press ↻ button during a cycling session indicates the recording of a lap;

4. Long pressing ▶‖ button can end the recording session, and users can choose whether or not to save the current riding record.

Noted：

1) Riding data needs to be recorded and saved on the TF card. Please insert the TF card before training;

2) Values for cadence, heart rate, and power can only be collected when connected to the corresponding peripheral sensor;

(To record indoor cycling data, the device must be connected to the corresponding peripheral sensor.)

3) **The default riding posture is set at 0° for L/R and Vert. Users need to calibrate it according to the actual circumstances;**

4) The built-in barometer in the device converts measured air pressure into altitude readings. After starting the riding record, the altitude will be automatically calibrated twice using satellite signal and the barometer to compensate for potential inaccuracies in air pressure under different conditions. Any initial inaccurate readings observed during a cycling activity will be automatically corrected after calibration.

(For the most accurate altitude readings, it is recommended to manually calibrate the altitude when reliable reference data is available, such as mountain peaks or topographical maps, or when located at sea level altitude. Dirt or contamination on the bike computer may cause inaccurate altitude readings. It is important to keep the device clean to ensure the proper functioning of the barometric altitude measurement feature.)

5. Terminating the ride

5.1 Data storage

1. Upon completing the ride, the data can be saved;

2. The data will be stored in the form of a graphical analysis, allowing users to access the riding data at any time.

(Settings-History-Select any record)

For a more intuitive viewing and saving of the riding data, users can synchronize the data to the Link-S App via Bluetooth for graphical display.

(After connecting the bike computer with the mobile App, click "Sync data" to synchronize all riding data to the App. Click "List of records" to sync a specific record by long-pressing on it)

Noted:

1) If you delete the history record on the device or if the TF card is damaged, the data will be permanently lost. Therefore, please remember to sync the riding data to the Link-S App as a precautionary measure;

2) After the device has been paired with a cellphone, once the Link-S app on the phone is running and within close proximity, the device and the phone will automatically establish a reconnection.

6. Function Description

6.1 Cycling mode

1. There are three cycling modes on the bike computer (Road/ Mountain/ Indoor cycling mode), use can mode choose the mode that best suits their current cycling activity and training needs;

2. The device also features an environmental mode (rainy mode), where users can press the power button twice consecutively to activate the lock screen function, preventing accidental touch operations. Any key can be pressed to cancel this mode;

3. In the indoor cycling mode, you can set a virtual rival as a target, allowing you to compete against the designated virtual rival (with adjustable speed). Throughout the training session, the device will provide real-time feedback on the gap between you and the goal you set, determining the distance and time difference from the rival based on the current speed (advance/lag).

Proceed as follows:

1) Settings-Activity-Set virtual rival's speed;

2) In the indoor cycling mode (data on page five), users can access a more detailed virtual rival's page.

Noted：

1) The data of indoor cycling can only be displayed by connecting

with the corresponding peripheral sensor;

2) Users can switch to another cycling mode directly during riding recording, and the data will be automatically converted.

6.2 Off-line map

1. Users have the option to download offline map packages from the official website of the device and import them into the TF card, supporting map levels 2-21;

2. The system enables route recording based on users' cycling activities, allowing them to track and record their routes;

3. Users can import roadbook files from online sources or receive them from friends through the Link-S App.

(Users can create their own roadbook path in the Link-S App or generate the roadbook path from their history records and use it.)

Noted：

1) To deactivate the currently active roadbook path, users can simply click the "broom" icon located in the upper corner, which clears the active path.

6.3 Temperature

The built-in temperature sensor of the device indirectly measures the temperature by detecting variations in resistance and presents the

corresponding numerical value on the display.

1) To prevent excessive temperatures that could cause damage beyond its rated temperature range, it is necessary to avoid operating in environments that exceed its tolerance temperature (-10°-50°);

2) Temperature sensors are relatively fragile and susceptible to damage from external forces. It is important to exercise caution by avoiding the application of excessive force and preventing collisions or falls.

7. Setting instructions

7.1 Bright adjustment

Settings-Display-Brightness

Users can adjust the brightness of the backlight of the device at their will, the automatic option, in particular, adjust the backlight brightness based on the intensity of the ambient light.

7.2 Power saving mode

Settings-Display-Battery Management

Noted：

1) Enable power-saving mode, the device will automatically adjust to a lower power consumption mode, extending the outdoors usage time.

7.3 Theme

Settings-Display-Interface style

Noted：

1) Automatic switching: based on local time, daytime theme after sunrise, and nighttime theme after sunset.

7.4 Auto page turning

Settings-General-AutoPager

After enabling the AutoPager feature, the device will display all the cycling data pages and training data pages in a continuous loop during the cycling process.

7.5 Auto sleep

Settings-General-Auto sleep

1. After a period of inactivity, the device will automatically enter standby mode to prevent unnecessary power consumption in case the users forgets to turn it off;

2. During cycling recording, if the device remains inactive for an extended period, it will automatically save the cycling data and enter auto sleep mode.

Noted：

1) The device will not enter auto sleep mode during prolonged cycling activities;

2) In the sleep mode, the device can be awakened by long pressing the power button;

3) The device will not enter auto sleep mode as it is connected to the mobile APP.

7.6 Notification prompts

1. Incoming call/message notifications will require users to connect to

Link-S APP, and grant the corresponding permissions;

2. Crash alert, when the cycling recording mode is initiated, if the angle between the vehicle and the ground suddenly exceeds a certain threshold for a specific duration, the system will trigger a safety alert window popup and device alarm sound, users can click anywhere on the screen or restore the angle to normal to confirm they are OK;

3. Accident Alert, when the crash alert state persists for an extended period, a text message will be sent (when the computer connects with the Link-S App) to the emergency contacts set by the users, providing the coordinates of the location;

4. Low power alert, when the device's battery level is below 20%, a popup notification will appear on the screen, users can click anywhere on the screen to confirm the alert or wait for it to automatically disappear. If the device's battery level becomes critically low again, it will automatically shut down.

(If the device is currently in the riding recording mode, but the battery runs out, it will automatically save the current cycling data on the TF card)

Noted：

1) Incoming calls/messages/accident alter, require the user's permission for the corresponding permissions on the phone, and the device needs to be connected to the Link-S app for the functions to

take effect;

2) Emergency contacts for accident notifications require users to preset contact information and communication content in the Link-S app. Users must confirm and inform the designated emergency contacts about this arrangement. During the ride, it is essential for users to ensure that the device is connected to the Link-S app to ensure their safety throughout the cycling process.

7.7 Satellite

1. Satellite Selection

Settings-General-GPS

The GPS signal is set to GPS+BD+QZSS by default，with the option to select GPS+GLON+GAL.

Noted:

1) The device needs to be reboot after changing the satellite settings to take effect.

7.8 Activity setting

1. Auto pause

Settings-Activity-Auto pause

When the users transition from an active state to a stationary state, the device will automatically pause data recording. Upon resuming

from a stationary state to an active state, the computer will continue recording data. (Prerequisite: The activation of cycling training data recording is required in order to enable this function)

2. Auto start

Settings-Activity-Auto start

Users do not need to manually press the start cycling button for recording, when a satellite signal is available and the users has cycled for 50 meters, the device will automatically initiate the training recording.

7.9 System settings

Settings-System-Factory Reset--OK

Noted:

This action will delete all user-entered device content and settings.

Statement:

This user manual is provided for reference only. If there are any discrepancies between the content or steps described in the manual and the actual functions of the device, the device shall prevail.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could

void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These

limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates uses and can radiate radio frequency energy and, if not

installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular

installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to

correct the interference by one or more of the following measures:

‐‐ **Reorient or relocate the receiving antenna.**

‐‐ **Increase the separation between the equipment and receiver.**

‐‐ **Connect the equipment into an outlet on a circuit different**

from that to which the receiver is connected.

－－ Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following

two conditions: (1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may

cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.