

# **GPSport 245**



**User's Guide** 

# **Safety Precautions**

- Use the power adapter included with the package, using power adapters other than the one provided will result in malfunction and could prove dangerous.
- Do not use the power adapter in a wet environment. When hands and feet are wet, do not touch the power adapter.
- While using the power adaptor, ensure that the area is well ventilated. Do
  not let paper or other material cover the power adaptor, as this will interfere
  with cooling. Do not use the power adaptor whilst it is in a bag.
- Do not attempt to repair the device. If device is damaged or is in a wet environment, replace the device immediately.
- This device is waterproof (meets IPX-6 standard) but not protected against water immersion.

# **Warranty Information**

The GPSport 245 is warranted to be free from defects in material and functions for a period of one year from the date of purchase. If there is a product failure within this period (under normal conditions), a replacement will be provided at no charge to the customer.

# **Copyright Information**

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# Federal Communications Commission (FCC) Statement

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.

#### **CAUTION**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate this equipment.

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.

# **RF Exposure Warning**

This equipment must be installed and operated in accordance with provided

instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operated in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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# **Getting Started**

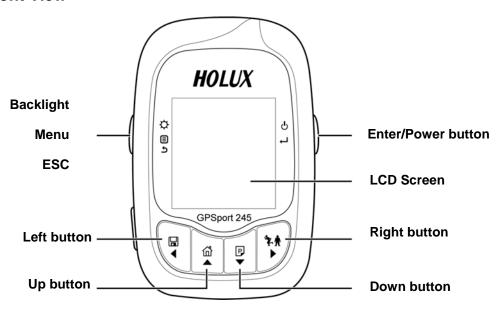
Congratulations on purchasing the GPSport 245. The GPSport 245 is a compact, lightweight device with GPS finder and calorie calculation designed for sporting use, plus GPS coordinates record storage to calculate CO<sub>2</sub> emissions saved and calories expended from not driving.

#### **Features**

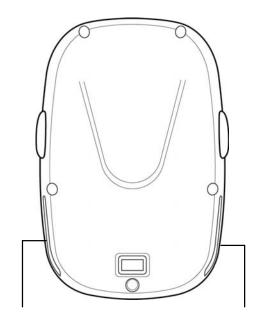
- GPS positioning
- Auto flip page
- Automatic shutdown within set time when no signal is detected.
- 'Place Finder' function capable of leading the user to up to 5 recorded locations.
- Speed meter that simulates an analog meter with adjustable font size.
- 3 Sport modes for calorie calculation
- Auto Log function starts log as soon as the satellite signal is fixed
- One touch POI recording
- Multi-language support
- Support both metric and imperial unit
- Support time zone setting
- Support both 12:00 and 24:00 time format

# **Unit Overview**

#### **Front View**

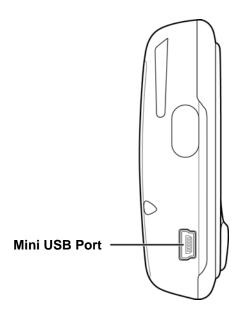


#### **Rear View**



**Mounting slot** 

#### **Left View**



# **Buttons**

Use the Buttons for basic functions.

Name	Icon	Function
Enter/Power	ڻ ن	Inputs commands or turns the unit on and
button	<b>←</b>	off.
Backlight	≎	Activates the backlight, main menu or
Menu		exits the submenu.
ESC	5	
Left button/		Press to move the cursor to the left.
Save & Clear	<b>■</b>	Save track logs into history & clear main
		screen data.
Right button/	<b>*</b>	Press to move the cursor to the right.
Start & Pause	•	Press this button in the main screen to
		start recording; press it again to pause
		recording.

#### **HOLUX GPSport 245**

Up button/Place Finder	<b>≟</b>	Press to move up within the menu to select one item, or to engage the 'Place Finder' function.
Down button/page	₽ ₩	Press to move down within the menu to select one item, or to display the next page or navigational setting.

# **Accessories**

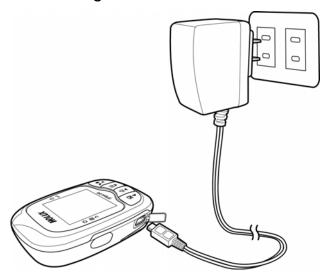
Check the box for the following supplied accessories. If any is missing, contact your supplier immediately.

GPSport 245	USB cable
HOLUX  OPSport 245  A B TA	
Quick Guide	AC adapter plug
Quick Guide	
Warranty Card	CD Rom
Warranty card	
Bike mount kit	

# **Charging the Battery**

# **Using the AC Charger**

- 1. Plug the mini USB plug of the AC charger into the mini USB port on the top of the handset.
- 2. Plug the AC charger into a wall outlet.

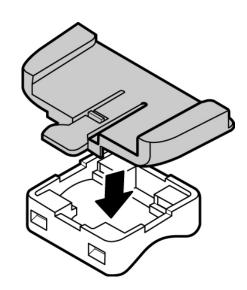


When charging, the Power indicator shows . After charging is complete, the Power indicator shows 40%.

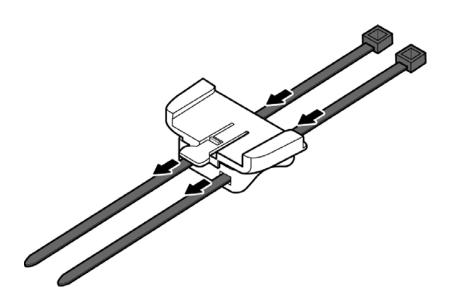
# **Installing Bike Mount**

You can install the bike mount and the GPS on the left or right side of the handlebar or on the stem.

1. Attach the bracket to the bracket holder.

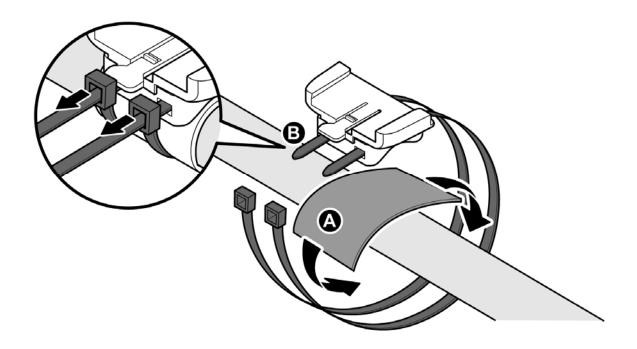


2. Thread the two cable ties through the slots of the bracket holder.

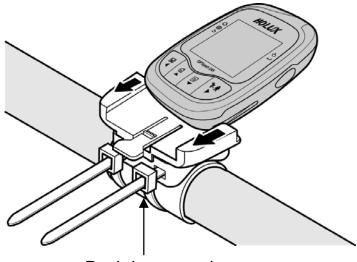


#### **HOLUX GPSport 245**

3. Place the rubber pad under the bike mount and attach the bike mount securely to the bike stem using the two cable ties.



4. Slide in the GPS on top of the bike mount until it snaps into place.

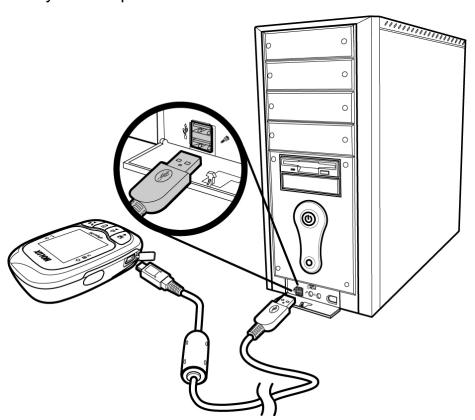


Push here to release

Cable ties are reusable

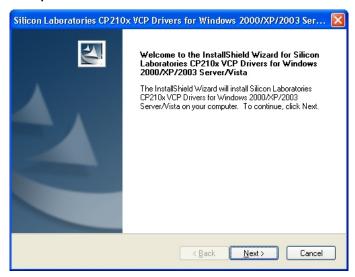
# Connecting to a PC

- Connect the mini USB plug (smaller) of the USB cable to the mini USB port on the top of the system.
- 2. Connect the USB plug (larger) or the USB cable to a USB port on your computer.

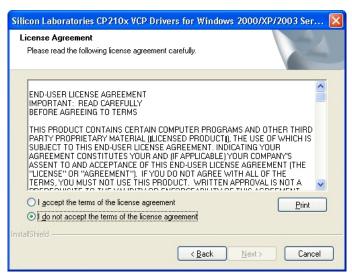


#### **Driver installation**

Insert the provided installation CD into the computer's CD drive.
 The introductory screen appears automatically. If the screen does not appear, open the Autorun.exe file on the CD.

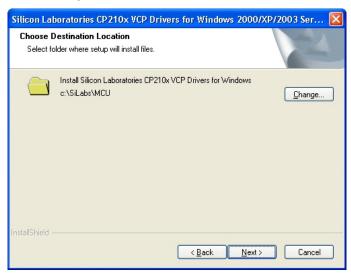


Click Next to begin the installation. The License Agreement screen opens.

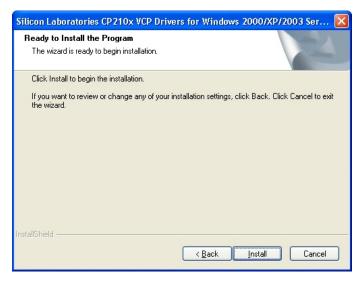


3. Read the agreement, click I accept the terms of the license agreement, then click Next. The Destination Folder screen opens.

4. To install the driver in the default location, click Next. The Ready to Install the Program screen opens. Or, to change the location, click Change, type the location, then click Next. The Ready to Install the Program screen opens.



Click Install to continue installation. The Driver Installer screen opens.



#### **HOLUX GPSport 245**

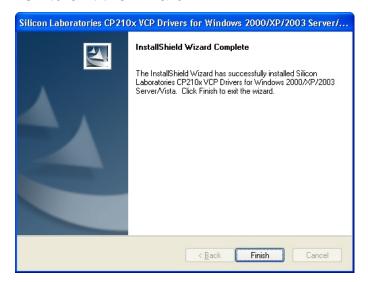
6. Click Install to start driver installation or click Change Install Location to change installation folder.



7. Installation is done. Click OK to continue.



8. Click Finish to exit the wizard.



# **Using the GPSport 245**

# **Turning on the System**

Press and hold the Power button until the opening screen appears on the LCD screen.

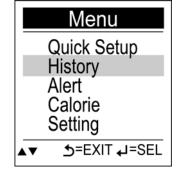
# **Turning off the System**

Press the Power button until the LCD screen turns off.

# Menu

This section explains how to open and navigate the menu. Press the Menu button to open or exit the menu.

**Main Menu**: the Main Menu consists of 5 options. Use the Up/Down button to move to the option and press Enter to enter the submenu.



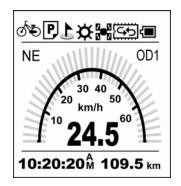
**Submenu**: press the arrow button to move up, right, down, or left within the menu to select an item or adjust an item and press Enter to accept the selected item.

# On screen display

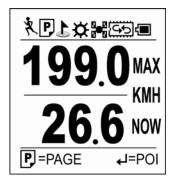
The on-screen display changes to show different navigation information when you flip the pages by pressing the page button or by enabling the automatic flip function.

#### **HOLUX GPSport 245**

Meter: displays speed meter that simulates an analog meter that are commonly seen in most vehicles. The user may also set larger font size, or configure the screen to display speed + travel time, speed + current time, or speed + distance



**Speed**: displays your maximum and current speed.



**Distance and time**: displays your lap distance and time.



Altitude: displays altitude variation.



**Calorie information**: displays lap calorie and today calorie consumed.



**Earth Friendliness:** displays the carbon emissions saved and trees planted from not using a motor vehicle on a single trip.



**Place Finder:** Press do to display the direction and distance to the stored coordinates.

The user may use this function as a tool for "geocaching", when activated, it will display the direction and distance to the hidden "geocaches".



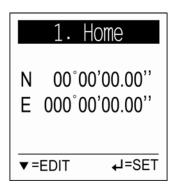
**Finder List:** Press the Enter button in the Place Finder function to configure the Finder list, with 5 fields for coordinates.

- Use the Up/Down button to select the desired item
- 2. Press the 'select' key to enter the coordinate page.

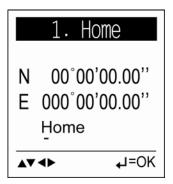


#### **HOLUX GPSport 245**

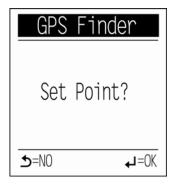
 Inside the coordinate page, use the Down button to edit the coordinate name.



 During the editing function, use the Up/Down/Left/Right button to edit the name; English letters only.



 Press the Enter button to enter the 'set coordinates' page.



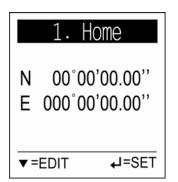


# **Coordinates Display**

During the 'Return to Point' function,

press to display the current coordinates and the specified coordinates from the Finder list.

- Use the Left/Right button to switch between points in the Finder list.
- Press the Enter button to edit the coordinates stored in the Finder List
- Use the Left/Right button to change between list coordinates. Use the Up/Down button to change between numbers.



# Usage:

 User A has parked his or her vehicle in a large parking lot and recorded the location with the Finder function. When

User A returns to the parking lot, pressing the button will indicate the direction and distance of the vehicle, allowing the user to easily find and retrieve his or her vehicle.

#### **HOLUX GPSport 245**

 User B uses the Finder function to record the location of his or her hotel during a trip. After sightseeing, user B presses

the to easily find the location of and return to his or her hotel.

# Status icons

Status icons show sport mode, auto flip page, POI, backlight, satellite status, memory mode, and battery information.

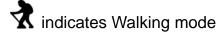


Sport mode for calorie calculation. It also indicates that Log is started. When sport mode icon disappeared, the Log is stopped or paused.

# **Sport mode icons:**

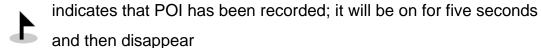








#### POI icon:



# **Backlight icon:**

indicates backlight switch is on

#### Satellite mode icons:



indicates satellites is fixed



indicates the device is trying to fix the satellites

# **Memory status icons:**



Memory mode: indicates the memory is in overwrite mode.



Full stop mode: indicates the remaining memory capacity.

# **Battery status icons:**



indicates battery is in full status



indicates battery is in charging status



Indicates battery is done charging



Battery low message appears every 5 minutes. Press any key to disable the alert.

# **Functions and Operations**

Read this section to learn how to set up and use the GPS.

# **Quick Setup**

User-friendly Quick setup function allows you to quickly setup most common settings. Press the Menu button to enter Main Menu and choose Quick Setup to begin setup. Q1. Sport Mode setup appears when you begin.

# **Sport Mode:**

- Use the Up/Down button to move to the desired mode.
- 2. Press the Enter button to confirm and save.
- 3. Q2. Weight setup appears.



# Weight:

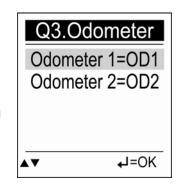
- Use the Left/Right button to move the cursor to the digit you want to edit.
- Press the Up button to increase value or the Down button to decrease value.



- 3. Press the Enter button to confirm and save.
- 4. Q3. Odometer setup appears.

#### **Odometer:**

- Press ♣or ▼ to move to the odometer you choose.
- Press the Enter button to confirm and save.
- Quick setup is now completed.Press Enter to start.





# **History**

History function allows you to review log status for earth friendliness, mileage, distance, time, maximum speed, average speed, calorie burned, and altitude variation. Maximum 10 records can be saved in device memory.

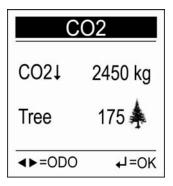
# To review history:

- Press the Menu button to enter Main Menu.
- Press the Left/Right button to switch between menu pages.
- Press the Down button to continue browsing the same entry.



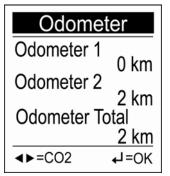
#### **Earth Friendliness**

Displays carbon savings and trees planted information.



#### **Odometer**

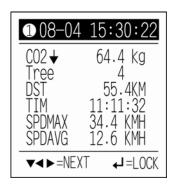
Displays Odometer 1, Odometer 2 and the total mileage. Resetting each of Odometer 1 or 2 does not affect the total mileage.



# **Record History**

indicates which record the user is currently viewing.

Maximum 10 records can be saved in device memory.

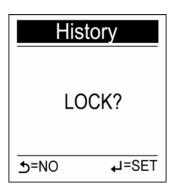


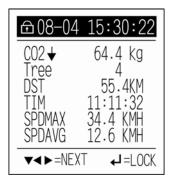
- Use the Left/Right button to switch between data pages.
- Use the Down button to continue viewing one record.



# To write-protect specific records:

- To write-protect an entry: press the Enter button once for confirmation page, and again to confirm.
- 2. To unlock write-protect: when the screen shows , press the Enter button to unlock.







#### **Alert**

The Alert function can be set for Time, Speed, Distance and Reset Alert. The asterisk on the right side indicates this option has been set.

#### To set alerts:

- Press the Menu button to enter Main Menu.
- 2. Use the Up/Down button to move to Alert.
- 3. Press the Enter button to enter Alert submenu.
- 4. Select Time, Speed, or Distance to open submenu.

## To setup Time Alert:

- Press the Left/Right button to move to left/right.
- ii. Press the Up/Down button to adjust the value.



Alert

Reset Alert

5=EXIT ←=SEL

\*

Time

Speed Distance

# To setup Speed Alert:

- i. Press the Left/Right button to move to left/right.
- ii. Press the Up/Down button to adjust the value.



To setup Distance Alert:

- i. Press the Left/Right button to move to left/right.
- ii. Press the Up/Down button to adjust the value.



The following indicators will appear on the message bar:

- TIME ALERT
   (appears only when the pre-determined time is due)
- DISTANCE ALERT
   (appears only when the pre-determined distance is due)
- SPEED ALERT

(appears only when the pre-determined speed is due)

You can press any key to disable the message.

You may also reset alert by selecting Reset Alert from the Alert submenu:

- 1. Select Reset Alert.
- 2. Press the Enter button to confirm.



# **Calorie**

Calorie function contains Sport Mode and Weight submenus.

#### **Setup Sport Mode**

Choose the Sport mode for calorie calculation.

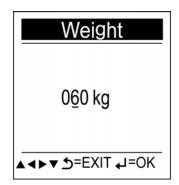
- Use the Up/Down button to move to the desired mode.
- Press the Enter button to confirm and save.



# **Setup Weight**

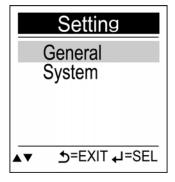
Input your weight for calorie calculation.

- Use the Left/Right button to move the cursor to the digit you want to edit.
- Press the Up button to increase value or the Down button to decrease value.
- 3. Press the Enter button to confirm and save.



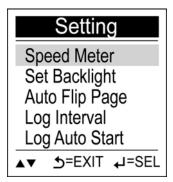
# **Setting**

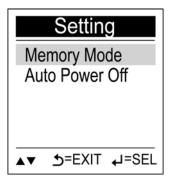
The Setting function contains 2 submenus: General and System.



#### General

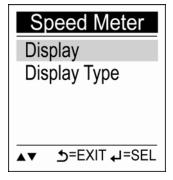
General submenu contains Speed Meter, Set Backlight, Auto Flip Page, Log Interval, Log Auto Start, Memory Mode, Auto Power Off.



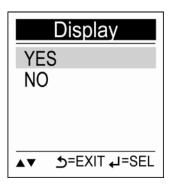


# **Speed Meter:**

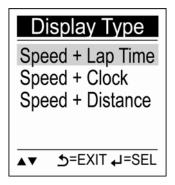
- Use the Up/Down button to select display mode.
- Select [Display] and [Yes] to configure the main screen to display the Meter. Selecting [No] will configure the main page to show speed + timer.



The default setting displays speed + timer.



3. If the Speed Meter is not displayed, in Display Type, other display configurations are available for selection.





# Set Backlight:

- Press the Select button to enter the menu.
- Use the Up/Down button to select the desired setting.
- 3. Press enter to confirm setting.

Set Backlight	
Alway	s On
10 Se	
30 Se	С
60 Se	С
<b>▲▼</b> 5	=EXIT <b>↓</b> =SEL

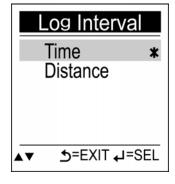
#### Auto Flip Page:

- Use the Up/Down button to move to the desired time interval or Manual for manual page flip.
- Press the Enter button to confirm and save.

# Auto Flip Page Manual 5 sec 10 sec 30 sec 60 sec

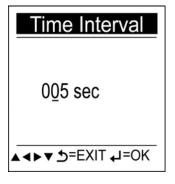
# Log Interval:

Select either time or distance for your log interval.

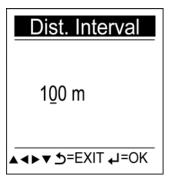


# • To setup Time Interval:

- Press the Left/Right button to move to left/right.
- Press the Up/Down button to adjust the value.



- To setup Distance Interval:
  - Press the Left/Right button to move to left/right.
  - 2. Press the Up/Down button to adjust the value.



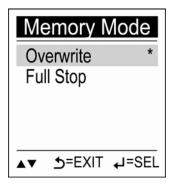
**Log Auto Start** function starts log as soon as the satellite is fixed.

- Press the Up/Down button to select Yes or No to Log Auto Start.
- Press enter to confirm and save.



# **Memory Mode**

Overwrite: When the 4MB
memory capacity has been
reached, GPSport 245 will
continue to record and overwrite
the oldest information on the
memory.



2. Full Stop: When the 4MB memory capacity has been reached, GPSport 245 will stop recording.

#### **Auto Power Off**

- Use the Up/Down button to move to the desired time interval or Manual for Auto Power Off.
- 2. Press the Enter button to confirm and save.



## **System**

System submenu allows you to Delete All Log, setup Time Format, setup Time Zone, setup Unit, setup Language, GPS Cold Start, LCD Contrast, Odometer, Reset CO<sub>2</sub> and Reset Device.





## **Delete All Log:**

- 1. Select Delete All Log.
- 2. Press the Enter button to confirm.



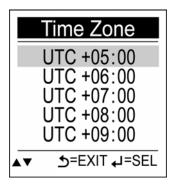
## **Setup Time format**

- 1. Choose the time format to display.
- 2. Use the Up/Down button to move to 12:00:00 or 24:00:00.
- Press the Enter button to confirm and save.



## **Setup Time Zone**

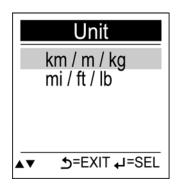
- Choose your time zone.
- 2. Use the Up/Down button to move to the desired time zone.
- Press the Enter button to confirm and save.



## **Setup Unit**

Choose the type of units to display on the screen.

- Use the Up/Down button to move to km/m/kg or mi/ft/lb.
- Press the Enter button to confirm and save.



## **Setup Language**

Choose the language displayed on the screen.

- Use the Up/Down button to move to the desired language.
- Press the Enter button to confirm and save.



#### **GPS Cold Start**

If it takes too long for GPSport245 to fix position, say when moving away 300 KM or the device is powered off more than 2 hours; perform cold start to reset data in

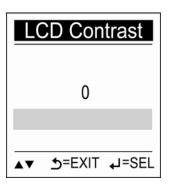


chip to shorten fix time.

#### **LCD Contrast**

Choose the LCD Contrast on the screen.

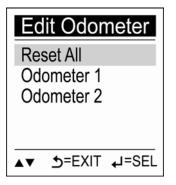
- Use the Up/Down button to move to the desired LCD Contrast value.
- 2. Press the Enter button to confirm and save.



#### **Edit Odometer**

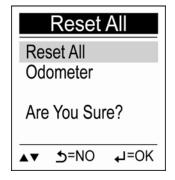
Able to accumulate mileage in Odometer 1 or Odometer 2, identical to how motor vehicles store mileage data.

Odometer will be accumulated when one of the following conditions exists:





- (1) Press ◀ to manually accumulate the distance.
- (2) When the device is turned off.
- (3) When battery power is low.
  - Press Up/Down button to select the odometer to erase or edit.
  - 2. Press enter to save.



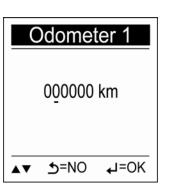
#### Reset Odometer

Select Reset All to release all odometer.

#### Edit Otometer 1 / 2

Odometer can be edited manually.

- Press Left/Right button to move the cursor.
- Press Up/Down button to increase or decrease the number.



#### Reset CO<sub>2</sub>

Reset 'CO<sub>2</sub> savings' and 'Trees planted' values.



#### **Reset Device**

Reset device to the factory setting.

- Select Reset Device.
- 2. Press the Enter button to confirm. Once the device is reset to factory setting, all history will disappear, but log will be kept.
- 3. On screen display will return to initial setup.



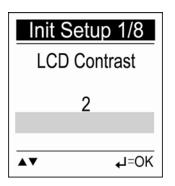
## **Initial setup**

When you reset the device, the initial setup menu will appear on the screen. Follow the step-by-step procedures to setup the common settings in the device: LCD Contrast, Language, Unit, Time format, Time zone, Auto flip page, Weight, and Sport mode.

#### **LCD Contrast**

Choose the LCD Contrast on the screen.

- Use the Up/Down button to move to the desired LCD Contrast value.
- 4. Press the Enter button to confirm and save.



## **Setup Language**

Choose the language displayed on the screen.

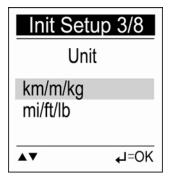
- Use the Up/Down button to move to the desired language.
- 2. Press the Enter button to confirm and save.



## **Setup Unit**

Choose the type of units to display on the screen.

 Use the Up/Down button to move to km/m/kg or mi/ft/lb.

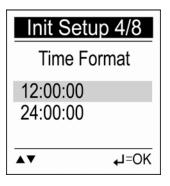


2. Press the Enter button to confirm and save.

#### **Setup Time Format**

Choose the time format to display.

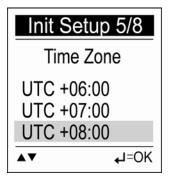
- 1. Use the Up/Down button to move to 12:00:00 or 24:00:00.
- 2. Press the Enter button to confirm and save.



#### **Setup Time Zone**

Choose your time zone.

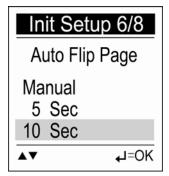
- Use the Up/Down button to move to the desired time zone.
- 2. Press the Enter button to confirm and save.



## **Setup Auto Flip Page**

Choose the specified time to change the display among meter, speed, distance, time, altitude, and calorie information.

- Use the Up/Down button to move to the desired time interval or Manual for manual page flip.
- 2. Press the Enter button to confirm and save.



## **Setup Weight**

Input your weight for calorie calculation.

- Use the Left/Right button to move the cursor to the digit you want to edit.
- 2. Press the Up button to increase value or the Down button to decrease value.
- 3. Press the Enter button to confirm and save.



## **Setup Sport Mode**

Choose the Sport mode for calorie calculation.

- Use the Up/Down button to move to the desired mode.
- 2. Press the Enter button to confirm and save.



Sport mode also indicates that Log is started. When sport mode icon disappeared, the Log is paused or stopped.



Biking mode: calculate calories burned when bike riding.



Running mode: calculate calories burned when running.



Walking mode: calculate calories burned when walking.



Vehicle mode: calorie calculation is disabled in Vehicle mode.

# **Troubleshooting**

Use this section to solve problems with your GPS. If you are unable to find solve a problem, contact your supplier or a qualified technician.

	Problem	Solution
Power	Cannot start	Insufficient battery charge, please connect to the adapter and restart system.
Screen	No screen displayed	After powering up, if the system does not respond, try the following:  1. Connect adapter, restart system.  2. Hard reset system by pressing both [Enter] + [right arrow] keys.
	Display speed is too slow	<ol> <li>Check if the battery is low on power.</li> <li>Hard reset system by pressing both</li> <li>[Enter] + [right arrow] keys.</li> </ol>
	Screen has no response	Hard reset system by pressing both [Enter] + [right arrow] keys.
GPS	GPS cannot display my current location	Make sure your current location is not obstructed by buildings or other interferences.

# **Normal Care and Maintenance**

To ensure the unit's normal operation and extended life span, please note the following while using and storing:

## Do not drop the unit

If violently impacted or shocked, serious damage may be caused.

## Avoid sudden temperature changes

Condensation may occur when entering a warm room on a cold day. To prevent condensation from damaging the unit, please place into an airtight plastic bag before sudden temperature changes.

## Keep away from strong magnetic fields

When using or storing, please keep away from strong electromagnetic/ radioactive or magnetic field equipment.

## Operating temperature

The products operating temperature is between -10°C ~ 60°C; please do not operate under extreme temperatures.

## Avoid exposure to sunlight

Please avoid long periods of sunlight or high temperature exposure.

## Cleaning the screen

Using a soft clean cloth to wipe the screen is recommended; do not use ordinary tissue to wipe the screen.

#### Do not disassemble

Please do not disassemble the product, this may void the warranty and damage the unit.

## Storage

When the product is not being used for a long period, store the

device in a cool and dry place. For long-term storage, keeping the unit in a dry box is recommended.

Please do not keep the product in the following environments:

- 1. Unventilated and humid locations.
- 2. In a car window that is exposed to excessive amounts of sunlight.
- 3. In an environment where humidity is over 90%.

# **Specifications**

	Chipset: MTK 3318
	Cold start: 36 sec
GPS chip	Warm start: 33 sec
	Hot start: 1 sec
	Update Rate: <1 second continuously
Dimension	81.7x 54x 22 mm
Weight	<72g
Battery	Rechargeable 1050 mAh Li-lon Battery
Key	Six buttons: Menu/ESC, Left, Up, Down,
	Right, Enter/Power
Antenna	Built-in patch antenna
IO interface	Mini-USB
Display	High-contrast electro luminescent back light
	display 4 level gray scale LCD.
	Size : 33.5 × 33.5 mm, 1.8"
	Resolution: 128 ×128 pixels
Environment	Operating Temp: -10°C to 60°C
Temperature	Storage Temp: -20°C to 70°C
	Multi-Language (English/French/ German/
Language	Spain/Italian/Dutch/Portuguese/Traditional
Support	Chinese/ Simplified Chinese/Japanese/
	Czech/ Slovakian)
Waterproof	IPX-6