Information
For more information on Lezyne products, visit: http://lezyne.com

WEEE Notice & Product Disposal:
The symbol of the crossed waste container means that, in accordance with 2002/96/EC Waste Electrical and Electronic Equipment Directive (WEEE), once the product reaches the end of its lifecycle, in the European Union it is subject to special waste disposal. In addition to the present device, this rule is also applied to all items carrying such a symbol. Do not dispose of these products as undifferentiated urban waste but put away for material differentiated recycling.

CE RF Compliance—Meets the EU Requirements:
The equipment complies with the RF Exposure Requirement 1999/519/EC, Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0–300 GHz). Changes or modifications to this product not authorized by the manufacturer could void the EMC compliance and negate your authority to operate the product. This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices. We, hereby, declare that this cellular, Wi-Fi radio is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Products with CE marking comply with the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms (in parentheses are the equivalent international standards).

FCC & IC User Warning Notice:
Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Labeling Requirement Notice:
This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC:
1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator IC:
This device complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept at least as far as possible from the user body or set the device to lower output power if such function is available.

Lezyne is a trademark of Lezyne USA, Inc. and registered both in the United States and internationally Any unauthorized use is expressly prohibited

Note:
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.
Warranty
Lezyne GPS devices carry a one (1) year warranty from the original purchase date to the original owner (proof of purchase is required.) This warranty covers materials and manufacturing defects on the GPS housing, electronics, and the mounting bracket supplied. Issues not covered by the warranty include normal wear and tear, consumable parts, such as batteries, unless product damage has occurred due to defect in material or manufacturing, improper installation, attempting to access electronics, modifying electronics, damage or failure due to accident, misuse, abuse, or neglect.
Because of possible user resealing error of the USB port, this product is not warrantied against water in the housing from improper sealing or any resulting damage. Please review and follow the instructions carefully when sealing the housing.
This product is intended to be used only as a cycling aid and must not be used for any purpose requiring precise measurement of direction, distance, location or topography. Lezyne makes no warranty as to the accuracy or completeness of map data in this product.
In no event shall Lezyne be liable for incidental or consequential damages for any traffic fines or citations, relating to or resulting from the use of this product or any of its parts. Lezyne assumes no liability for any accident, injury, death, loss, or other claim related to or resulting from the use of this product.

Important
Do not become distracted by the device—always operate vehicles in a safe manner.
Lezyne USA, Inc. does not accept any liability for injuries or other damages resulting from the use of this product in any circumstances.

DO NOT SUBMERGE UNDER WATER
Lezyne GPS devices are water resistant under normal conditions, but are not waterproof. If moisture gets inside device body, air-out until completely dry.

DO NOT ATTEMPT TO REMOVE ELECTRONICS
Doing so will void warranty.
Do not operate or store outside of temperature range (-20–60° C). Battery life may be affected at temperature extremes.
Location and surroundings may affect GPS signal. For best results, use the device outdoors with an unobstructed view of the sky. It may take up to 60 seconds to acquire GPS signals.

This GPS device is not a calibrated measuring tool. It should not be used for surveying purposes. GPS based elevation measurements may vary. Calorie readings are an estimation for reference only.

CA PROPOSITION 65 WARNING:
This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (California law requires this warning to be given to customers in the State of California). For more info: www.lezyne.com/prop65
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## Getting Started

### Buttons

<table>
<thead>
<tr>
<th>Button</th>
<th>Functions</th>
</tr>
</thead>
</table>
| ENTER  | Hold for 2 seconds to turn ON/OFF the device  
Press to ENTER a selection in the menu screen  
During a ride, Press to turn Backlight ON/OFF |
| MENU   | Hold to access the MENU screen  
Press to move UP in the menu screen  
During a ride, Press to Scroll bottom data line |
| LAP    | Press to start a ride  
Hold to end a ride  
Press to move DOWN in the menu screen  
During a ride, Press to mark a LAP |

### Ride Screen Button Functions

- **Press**
  - Hold
  - Backlight
  - On/Off
- **Scroll**
  - Menu
  - Start/Lap
  - Pause
Getting Started

Menu and Pause Screen Button Functions

Press
Hold

Select

Up

Down

Screen Icons

GPS Status

Battery Status
Getting Started

Charging

Before using your Lezyne GPS device for the first time, fully charge battery and it is also recommended to visit [lezyne.com/gpsroot/gps_downloads.php](http://lezyne.com/gpsroot/gps_downloads.php) and update your GPS device to the latest software.

1. Remove exterior moisture
2. Open USB cover
3. Connect micro USB cable and device to powered USB port.
   For best results, use the supplied Lezyne cable

If device does not display charging symbol when plugged in, selected USB port may not be powered – try another USB port.

Mounting

To attach the X-Lock mount:

1. Align the shim with the bottom of the mount
2. Attach the X-Lock mount securely using the two bands
   the best fit your mounting location

To connect the device to the X-Lock mount:

1. Align the tabs on the back of the device with the mount
2. Press down and turn the device until it locks into place
Getting Started

Turning on the GPS

Turn on your Mini GPS by holding the left button.

Press and hold for 2 seconds to turn on

GPS Satellite Signal

Before a ride can start there must be a GPS signal present. This can take 30 to 90 seconds. For best results:

1. Go outside to an open and clear area
2. Place the GPS device so it’s not obstructed from the sky
3. Wait for a GPS status dots to fill in

*a pop up notice will appear if you try to start a ride before a GPS signal is present.
Getting Started

Starting a Ride

1. At least 1 GPS status dots will fill solid when ready.
2. Start recording by pressing the bottom right button.
3. Ride data is recorded when the timer is running
4. Press to see other ride metrics

Ending a Ride

Enter the pause menu by holding the bottom right button. To continue recording, select the option RESUME by pressing the left button ENTER or scroll through other options by pressing one of the top or bottom right buttons.

Select the option END to go to the file menu. Now choose to SAVE or DISCARD your file.
Getting Started

Uploading a Ride to a computer

1. Remove the USB port seal
2. Connect your Mini GPS to a computer via Micro USB cable.
3. The GPS will read like a USB drive with included folders
4. Within the Lezyne GPS folder find your .Fit ride files in the Activities folder to upload and share at www.lezyne.com/gpsroot

USB Seal

It's important to re-install the USB seal between the two seal locks to maintain a good seal against the weather

GPS Device updates

Software updates for your GPS device can be found at http://www.lezyne.com/gpsroot/gps_downloads.php
Screen Set up

Menu Screen

Hold $\mathcal{H}$ to enter the MENU screen

Layout Display

There are three display options.
• 2 Lines of Data
• 3 Lines of Data
• 4 Lines of Data

The layouts can change but the display fields are set.
To change the Layout,
1. press the left ENTER button,
2. use the right buttons to scroll up and down until it list the desired lines of data to display,
3. press ENTER to select
Fields Display

In Fields you can choose what data metrics to display on the bottom data line. Press ENTER to make it Hidden or Visible. Standard data is always visible.

Adjustable Data
- Trip 1
- Trip 2
- Ascent
- Descent
- Avg Speed
- Max Speed
- Calories
- Odometer

Units Display

In Units you can choose between Miles or Kilometer format. Press ENTER and toggle up or down, press ENTER to select the setting.
**Brightness Display**

In **Brightness** you can choose what percentage of light is displayed from the backlight. Press **ENTER** and use the right buttons to select **INCREASE** or **DECREASE**. Use the **ENTER** button to make the adjustments. When done select **BACK**.

**Time Set up**

**Time Format**

Time Format adjusts time display from **12hr** to **24hr** format. Press **ENTER** and use the right buttons to select **12hr** or **24hr**. Press **ENTER** to make the selection.
**Time Zone**

Time Zone adjusts time based on your closest location. Press **ENTER** and use the right buttons to select. Press **ENTER** to make the selection.

**Daylight Savings**

Daylight Savings adjusts time accordingly if it applies to your location. Press **ENTER** and use the right buttons to select. Press **ENTER** to make the selection.
**Personal Set up**

### Sport Type

Sport Type gives you the option of **ROAD** or **MOUNTAIN** to choose what best suits your type riding and how it should be categorized for downloads. Press **ENTER** and use the right buttons to select. Press **ENTER** to make the selection.

### Language Setting

Sets your desired language. Press **ENTER** and use the right buttons to select. Press **ENTER** to make the selection.
**Age Setting**

Setting your age assists in calorie calculations.
Press ENTER and use the right buttons to select INCREASE or DECREASE. Use the ENTER button to make the adjustments. When done select BACK.

![Age Setting Image]

**Weight Setting**

Setting your weight assists in calorie calculations.
Press ENTER and use the right buttons to select INCREASE or DECREASE. Use the ENTER button to make the adjustments. When done select BACK.

![Weight Setting Image]
Personal Set up

**Height Setting**

Setting your Height assists in calorie calculations. Press **ENTER** and use the right buttons to select **INCREASE** or **DECREASE**. Use the **ENTER** button to make the adjustments. When done select **BACK**.

![Height Setting Image]

**Gender Setting**

Setting your gender assists in calorie calculations. Set your gender to **Male** or **Female**. Press **ENTER** and use the right buttons to select. Press **ENTER** to make the selection.

![Gender Setting Image]
Auto/Preset Notification Set up

**Scroll Setting**

Automatic **Scroll** set for the bottom data line. Press **ENTER** and use the right buttons to select **On** or **Off**. Press **ENTER** to make the selection.

![Scroll Setting Image]

**Start/Stop (Pause) Setting**

The **Pause** setting is an automatic Start/Stop feature that controls recording of the ride if you stop for a period of time. And will start back up once you begin to move. Press **ENTER** and use the right buttons to select **On** or **Off**. Press **ENTER** to make the selection.

![Start/Stop (Pause) Setting Image]
Auto/Preset Notification Set up

Lap Preset Notification Set up

Lap preset allows you set a notification pop up based on Time or Distance goals. Press ENTER and use the right buttons to select Time or Distance. Press ENTER to make the selection. Press ENTER and use the right buttons to select INCREASE or DECREASE. Use the ENTER button to make the adjustments. When done select BACK. To reset, select Off and repeat the steps for set up.

Light Setting

The Light setting automatically turns the backlight on when ever a button is pressed. Press ENTER and use the right buttons to select On or Off. Press ENTER to make the selection.
**Alert Set up**

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**Ride Distance Alert Set up**

*Ride Distance* alert gives you a pop up alert when you complete a set distance goal. Press **ENTER** and use the right buttons to select **INCREASE** or **DECREASE**. Use the **ENTER** button to make the adjustments. When done select **BACK**. To reset, select **Off** and repeat the steps for set up.

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**Ride Time Alert Set up**

*Ride Time* alert gives you a pop up alert when you complete a set a goal for an amount of time. Press **ENTER** and use the right buttons to select **INCREASE** or **DECREASE**. Use the **ENTER** button to make the adjustments. When done select **BACK**. To reset, select **Off** and repeat the steps for set up.
Alert Set up

Calories Alert Set up

Calories alert gives you a pop up alert when you complete a set goal. Press ENTER and use the right buttons to select INCREASE or DECREASE. Use the ENTER button to make the adjustments. When done select BACK. To reset, select Off and repeat the steps for set up.

Records

Erase All

Erase All will delete all rides recorded and stored on the device. Press ENTER and use the right buttons to select Yes or No. Press ENTER to make the selection.
Erase Oldest

Erase Oldest will delete the oldest ride recorded and stored on the device. This is for when you need to room for recording and know the oldest file is not important but want to keep other rides. Press ENTER and use the right buttons to select Yes or No. Press ENTER to make the selection.

Memory

This lets you know how many more hours of recording time you have remaining.
Records

Reset Trip 1

This allows you to delete the recorded miles in Trip 1.
Press ENTER and use the right buttons to select Yes or No. Press ENTER to make the selection.

Reset Trip 2

This allows you to delete the recorded miles in Trip 2.
Press ENTER and use the right buttons to select Yes or No. Press ENTER to make the selection.
Records

**Reset Odo (Odometer)**

This allows you to delete the accumulated miles on the Odometer. Press **ENTER** and use the right buttons to select **Yes** or **No**. Press **ENTER** to make the selection.

![Reset Odo](image)

**Info**

**Device**

This is a code used for device support.

![Info](image)
**Info**

### Firmware

The numbers in Firmware indicates which version is currently being used on the device.

![Firmware Image]

### GPS

This is where you can reset the GPS chip. A GPS chip reset is good if you travel to other countries and find the device to be slow to gain satellite signal. **Warm Start**, resets the GPS chip and will reconnect to satellites quickly. **Cold Start**, resets the GPS and will take longer to find satellites. This option should only be used if a Warm Start fails.

![GPS Image]
**Sats**

This is the current number of satellites the device is using.

**HDOP, VDOP**

This is the quality of the GPS data.
Horizontal Dilution of Precession.
Vertical Dilution of Precession
Battery

The current battery voltage.

RCM

The three existing compliance marks (C-Tick, A-Tick and RCM) are being consolidated into a single compliance mark—the RCM.
Specifications

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>Rechargeable Lithium polymer, 290 mAh</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Life</td>
<td>Up to 10hrs</td>
<td></td>
</tr>
<tr>
<td>Memory Size</td>
<td>Up to 100hrs</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-20°C to 60°C (-4°F to 140°F)</td>
<td></td>
</tr>
<tr>
<td>Charging Temperature Range</td>
<td>0°C to 45°C (32°F to 113°F)</td>
<td></td>
</tr>
<tr>
<td>Water Rating</td>
<td>IPX7 *tested in water 1m for 30min</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>29g</td>
<td></td>
</tr>
</tbody>
</table>

Data Metrics Explained

**Speed**: The current rate of speed  
**Avg Speed**: The average speed of the current ride  
**Timer**: Is a stop watch of the current ride  
**Distance**: The distance of the current ride  
**Trip 1**: The distance of a trip. Accumulative recording of distance between rides  
**Trip 2**: The distance of a trip. Accumulative recording of distance between rides  
**Odometer**: Accumulative recording of distance between rides  
**Elevation**: The current measurement of height above sea level  
**Ascent**: The total measurement of elevation gained that current ride  
**Descent**: The total measurement of elevation lost that current ride  
**Temperature**: The current measurement of hot and cold  
**Calories**: The amount of calories burned that current ride. *This information is calculated based on your personal settings  
**Clock**: The current time of day  
**Auto Start/Stop**: This will automatically pause the timer when you stop. And start when you begin to move. This is used to not record time during stops or rest periods  
**Lap Preset**: An automatic notification to mark a lap based on a preset you set for distance or time  
**Auto Scroll**: Bottom data line changes to show different information. Example: Avg Speed, Elevation, Temperature  
**Ride Distance Alert**: A pop up notification when you hit a set distance goal  
**Ride Time Alert**: A pop up notification when you hit a set time goal  
**Calories Alert**: A pop up notification when you hit a set calorie goal
Troubleshooting

**Updating Software**


1. Connect your device to your computer with the supplied USB cable
2. Go to the GPS Root website Download page and choose the software update that works with your computer
3. Allow the program to download and run on your computer
4. Follow the on screen instructions and do not disconnect your computer until its complete

*Info – Firmware* will let you know which version of software is currently on your device

**Support**

How to videos, manuals, FAQ can be found on the Support tab at [http://www.lezyne.com/gpsroot](http://www.lezyne.com/gpsroot)

- Videos describing and explaining the device
- FAQ – Frequently Asked Questions related to the device
- Downloads – manuals and software updates
- Contact US

**Resetting the Device**

If the device stops responding to button functions a simple reset could correct the issue.

*Resetting the device could delete settings and files*

- Hold [Enter] and [MENU] for 45 seconds
- The device will shut off
- Hold [Enter] for 2 seconds to turn device back on