



bryton®



Rider 530

User's Manual



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WARNING

Always consult your physician before you begin or modify any training program. Please read the details in Warranty and Safety Information guide in the package.



Download Bryton App

Scan below QR Code to download Bryton App or you can go to Google Play for android/App Store for iOS to search Bryton App and download it. After adding UUID (16 digit number) on the back of your device to Bryton account and with access to the internet, your Rider computer automatically updates GPS data, uploads recorded tracks, downloads planned trips from app server and checks for available firmware update.

Note : Please refer to page 9 **Sync Data to/from Bryton App** to learn more.



<http://download.brytonsport.com/inst.html>

Australian Consumer Law

Our goods come with guarantees that can not be excluded under the New Zealand and Australian Consumer Laws. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Getting Started

This section will guide you on the basic preparations before you start using your Rider 530. Rider 530 is equipped with barometer which shows the real time altitude.

NOTE: To adjust the altitude settings on Rider 530, refer to page 22.

Your Rider 530



1 ON/OFF (/)

- Press to turn the device on.
- Press and hold to turn the device off.
- Press to turn on/off backlight.

2 LAP/OK (●)

- In Menu, press to enter or confirm a selection.
- In free cycling, press to start recording.
- When recording, press to mark the lap.

3 BACK ()

- Press to return to the previous page or cancel an operation.
- When recording, press to pause recording. Press it again to stop recording.

4 PAGE ()

- In Menu, press to move down to scroll through menu options.
- In Meter view, press to switch meter screen page.
- In Meter view, long press to enter Shortcut Menu.

5 UP ()

- In Menu, press to move up to scroll through menu options.
- In meter view, press to switch meter screen page.

Accessories









The Rider 530 comes with the following accessories:










- USB cable
- Bike mount
- F-Mount

Optional items:

- Heart rate belt
- Speed sensor
- Cadence sensor
- Speed/Cadence Dual sensor

Status Icons

Icon	Description
Bike Type	
	Bike 1
	Bike 2
GPS Signal Status	
	No signal (not fixed)
	Weak signal
	Strong signal
Power Status	
	Full battery
	Half battery
	Low battery

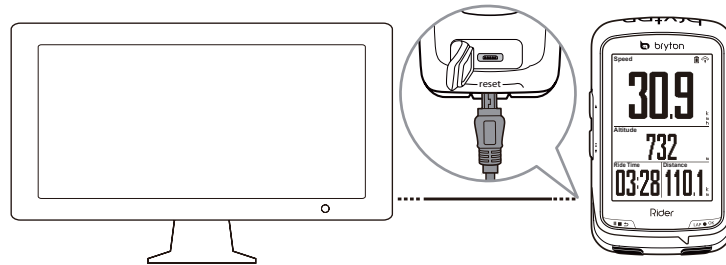
Icon	Description
	Heart Rate Sensor Active
	Cadence Sensor Active
	Speed Sensor Active
	Dual Sensor Active
	Notification
	Log Record in Progress
	Recording is paused
	Bluetooth function is enabled
	Current speed is faster/slower than average speed

NOTE: Only the active icons are displayed on the screen.
Some icons may only apply to certain models

Step 1: Charge your Rider 530

Connect Rider 530 to a PC to charge the battery for at least 4 hours. Unplug the device when it is fully charged.

- You may see a white screen when the battery is really low. Keep the device plugged for several minutes, it will automatically turn-on after battery is properly charged.
- The temperature suitable for charging battery is 0°C ~ 40°C. Beyond this temperature range, charging will be terminated and the device will draw power from battery.



Step 2: Turn On Rider 530

Press  to turn on the device.

Step 3: Initial Setup

When turning Rider 530 on for the first time, the setup wizard appears on screen. Follow the instructions to complete setup.

1. Select the display language.
2. Select the unit of measurement.



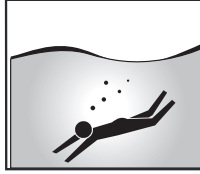
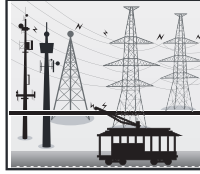

NOTE: Only when you choose English for the display language, you will need to select the unit of measurement. Otherwise, default would be metric unit.

Step 4: Acquire Satellite Signals

Once the Rider 530 is turned on, it will automatically search for satellite signals. It may take 30 to 60 seconds to acquire signals. Please make sure you acquire the satellite signal for the first time use.

The GPS signal icon (📶/📶) appears when GPS is fixed.

- If the GPS signal is not fixed, an 📶^x icon appears on the screen.
- Please avoid the obstructed environments since they might affect the GPS reception.

				
Tunnels	Inside rooms, building, or underground	Under water	High-voltage wires or television towers	Construction sites and heavy traffic

NOTE: To improve the GPS accuracy, you can set 1 sec mode as your recording frequency (page 25) and update GPS regularly by using Bryton Update Tool (page 8) or using Data Sync function (page 9) to update GPS data.

Step 5: Ride Your Bike with Rider 530

- **Free ride:**

In meter view, measurement starts and stops automatically in sync with the movement of the bicycle.

- **Start an exercise and record your data:**

In meter view, press **LAP ● OK** to start recording, press **|| ■ ➔** to pause, press **|| ■ ➔** again to stop.

NOTE: If you continue to proceed without pressing **LAP ● OK** to record, Rider 530 would pop up a reminder to ask you to record when motion of bike is detected. To set the frequency of start reminder, please go to page 35.

- **Start a training:**

Select **Train** from the menu list. Training can be based on time, distance, calories burn, or the saved workouts.

Reset Rider 530

To reset the Rider 530, long press all three keys (**🔌 / LAP ● OK / || ■ ➔**) at the same time.

Download Bryton Update Tool

NOTE: Bryton Update Tool can notify you if a new software version or GPS data is available. The newer GPS data can speed up the GPS acquisition. We highly recommend you to check for updates every 1-2 weeks.

1. Go to <http://www.brytonsport.com/help/start> and download Bryton Update Tool .
2. Follow the on-screen instructions to install Bryton Update Tool.

Share Your Records

Share Your Tracks to Strava.com





1. Sign up/log in on Strava.com
 - a. Go to <https://www.strava.com>
 - b. Register a new account or use your current Strava account to log in.
2. Connect to PC

Turn on your Rider 530 and connect it to your computer by USB cable.
3. Share Your Records
 - a. Click "+" on the top right corner of Strava page and then click "File".
 - b. Click "Select Files" and select FIT files from Bryton device.
 - c. Enter information about your activities and then click "Save & View".

Sync Data to/from Bryton App

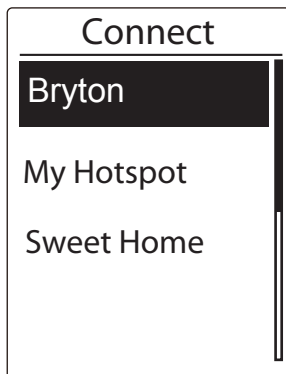
Add Device UUID to Bryton Account






With access to the internet, your Rider computer automatically updates GPS data, uploads recorded tracks, downloads planned trips from app server and checks for available firmware update. To sync data correctly from/to your device, it is required to add your device UUID (16 digit number on the back of the device) to your Bryton account before syncing data for the first time.

<p>a. Go to Settings>UUID. After entering, you will see a QR code (It requires Bryton App scanner to scan it).</p>  <p>Note: UUID is the 16 digit number on the back of the device.</p>	<p>b. After installing Bryton App, please sign up/log in on Bryton App</p>  <p>Note: If you have an Bryton Sport account, you still have to register an account to log in Bryton App successfully.</p>
<p>c. After logging in Bryton App, tap "Scan Now" to scan the QR code appearing on the device to add UUID to your Bryton account (or go to Bryton App Settings> User Settings>UUID).</p>  <p>Note: Each device has its own unique UUID. And each UUID can only be added to 1 Bryton account.</p>	<p>d. If "Successfully added!" messages pops up on the Bryton App, it means you have successfully added your device UUID to your Bryton account. If not, please press "Retry" to scan again or enter 16 digit UUID number on the back of your device manually.</p> 

Connect To A Network

It is required to set up a connection to a network before syncing data.



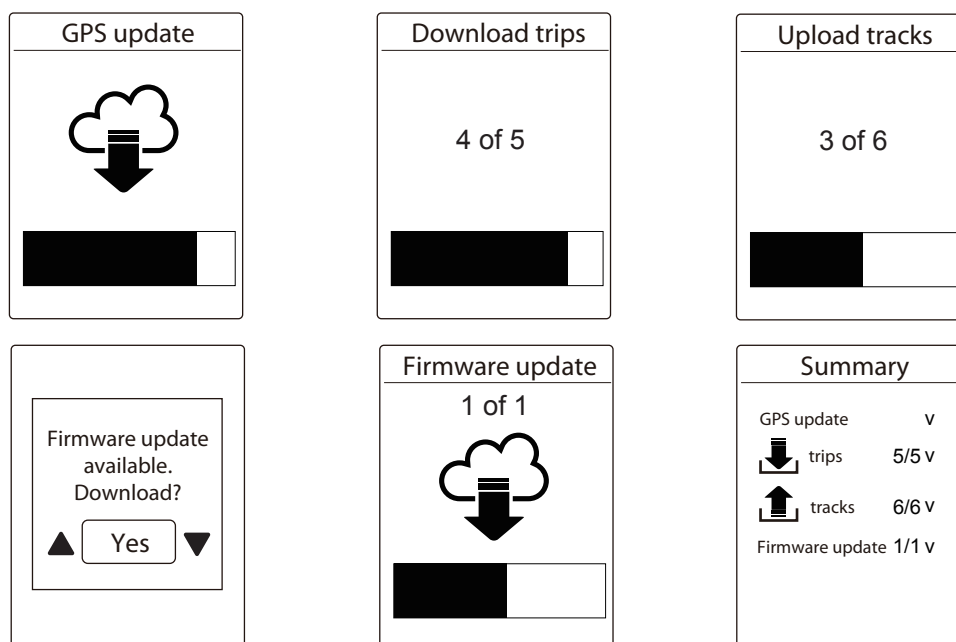
1. In Main menu, press  to select **Data Sync** and press **LAP ● OK**.
2. Press  /  to choose one available network or hotspot and press **LAP ● OK**.
3. Press  /  to enter password and choose “√” to confirm password.
4. A “Connected. Please press any button to exit.” message pops up. Press any button to start syncing data.

Note: If a “AP/Password Incorrect” message pops up, it means your saved network is not available or your password of saved network has been changed. Please go to page 38 **Wireless Local Area Network (WLAN)** to learn how to set up a new network connection.

Sync Your Data

To perform Data Sync, please make sure your device UUID is successfully added to your Bryton app account and connected to a wireless network; then, just let your device smartly guide you through the syncing process.

First of all, the device will start to update GPS data in your device. Then, if you have planned trips in Bryton App, it will download the planned trips. Thirdly, it will upload your tracks to Bryton App. Last, if there is new firmware update, it will pop up a message to ask your permission to update firmware. Select “Yes” to update it. After completing data sync, you will see a summary of the syncing data.




Note: Firmware updates usually take longer time to download and install, select “NO” if you prefer to update it on your next sync.

Train & Test

Bicycling is one of the best types of exercise for your body. It helps you to burn your calories, lose weight, and increase your overall fitness. With the Rider 530 Training feature, you can set simple/interval workouts and use the Rider 530 to track your training or workout progress.



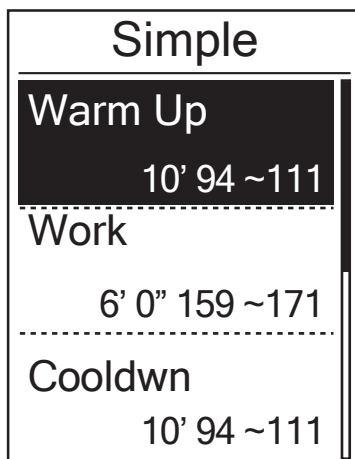
1. In the main screen, press  to select **Train&Test**.
2. Press **LAP ● OK** to enter the Training menu.



To Plan

You can set simple workouts by entering your time or distance goals.

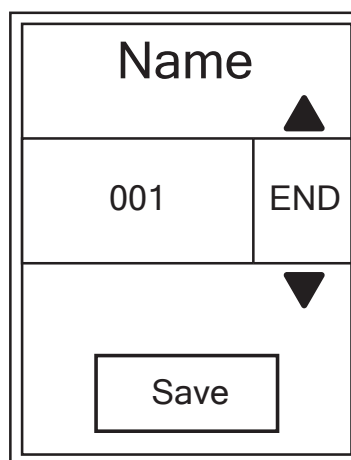
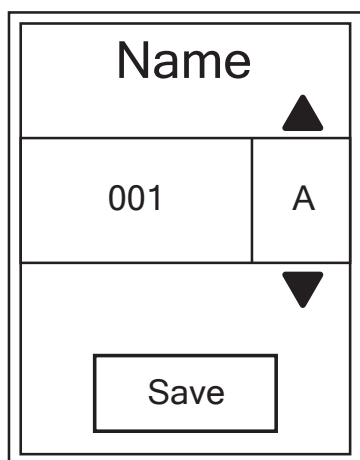
The Rider 530 offers you three types of simple workouts: Time, Distance, and Calories.

Simple



1. To set a simple workout, select **To Plan > Simple > Warm Up, Work , Cooldown**.
 - **Warm Up:**
Duration (manual, calorie,time, distance), Target (Pace, HR, MHR, LTHR).
 - **Work:**
Duration (calorie, time,distance), Target (Pace, MHR%, LTHR%, HR, MHR, LTHR, Off).
 - **Cooldown:**
Duration (manual, calorie,time, distance), Target (HR, MHR, LTHR).
2. Press  /  to set your target and press **LAP ● OK** to confirm.
3. Choose **Save** and enter the workout name using the on-screen keyboard.
4. Go for a ride.
Go to **Train & Test > My Workouts > View** and choose the saved workout. Press **LAP ● OK** to start training and record log.

Using the On-screen Keyboard

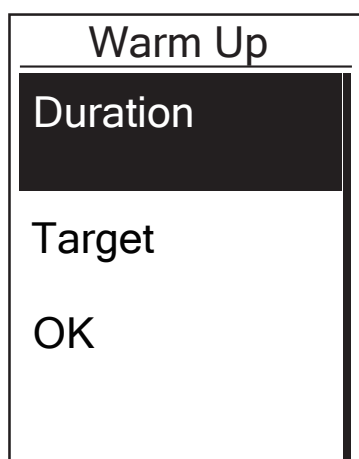


1. Press ▲ / ≡ to select the input character.
 - Select **DEL** to erase the data.
2. Press LAP ● OK to confirm the selection.
3. When finished, press ▲ / ≡ to select **END** and press LAP ● OK to confirm.

NOTE: If user does not enter the workout name, the system will automatically label the file name according to the current date and time.

Interval Workouts





With the Interval training feature, you can use your device to customize interval workouts which include the warm up, interval, and cool down sections.



1. In the **Train & Test** menu, press ≡ to select **To Plan > Interval** and press LAP ● OK to enter.
2. A "Set warm up?" message appears on the screen. Press ≡ to select **Yes** to set the "Warm up". After the settings are complete, select **OK** and press LAP ● OK to continue.

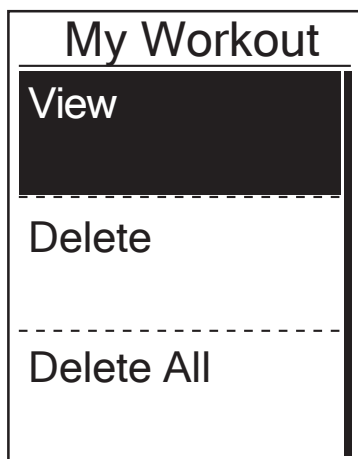
Work 1	
Work	
6'00"	158~170bpm
Recovery	
2'00"	137~149bpm
Repeat Time	
2	

Cooldown	
Duration	
Target	
OK	

- Set the interval workout settings (Work, Recovery, and Repeat Time). When finished, press  to select **Next** and press **LAP ● OK**.
- A "Create a new main set?" message appears on the screen. To create another set of interval workout, select **Yes** and press **LAP ● OK** to confirm.
- A "Set cool down?" message appears on the screen. Select **Yes** to set the "Cool down". After the settings are complete, select **OK** and press **LAP ● OK** to continue.
- A "Save to My Workout" message appears on the screen. Select **Yes** and press **LAP ● OK** to continue. Press  /  to enter the workout name. When finishing the name, press  and press **LAP ● OK** to save the workout.

My Workout

With My Workout feature, you can start your workout using the training plan that you have saved in **To Plan** menu.



1. In the Training menu, press to select **My Workout** and press .
2. Press to select **View** and press to enter its submenu.
 - Press to select your desired training plan and press to confirm.
 - Go for a ride. Press to start training and record log.
3. To choose which workouts to delete, select **Delete**.
4. To delete all workouts to delete, select **Delete All**.

NOTE: If the selected workout includes several interval settings, a workout details appear on the screen. Select **Start** and press to proceed with the workout.

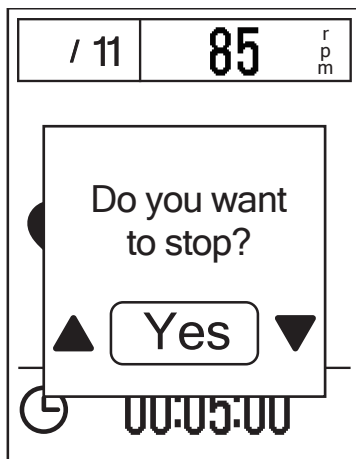
Bryton Test

Bryton Test has preloaded on Rider 530. If you don't have it on your device, please download from Bryton Update Tool. Bryton Test includes two test courses to help you measuring your MHR and/or LTHR. Knowing your MHR and/or LTHR gives you a benchmark of your overall efficiency. It also helps you to judge progress over time and measure your exercise intensity.

1. In the main screen, press to select **Train & Test** and press to enter Training menu.
2. Press to select **Bryton Test** and press to enter Bryton Test.
3. Press to select your desired test workout and press to enter the selected workout.
4. The selected workout details appear on the screen. Press to start exercise.
5. When finished the Bryton Test, press and to save the result.

Stop Training

You can stop the current training after you have reached your goal or when you decide to end the current training.

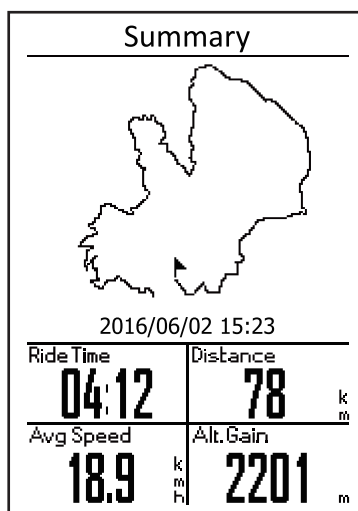


1. Press **||■▶** to pause the recording and press **||■▶** again to stop the recording.
2. A "Do you want to stop?" message appears on the screen. To stop the current training, press **▲ / ▼** to select **Yes** and press **LAP ● OK** to confirm.

View Exercise/Training Record

Rider 530 provides graphical track summary, detail workout data, lap data and graphical analysis for you to have better idea of your workout performance.

Summary



To view workout summary:



1. In the main screen, press **≡** to select **View History > View** and press **LAP ● OK**.
2. Press **▼** to select an activity history from the list and press **LAP ● OK** to enter.
3. Select **Summary** and press **LAP ● OK** to view workout summary.

NOTE: You can also upload your history to Bryton Mobile APP to keep track of all your ride data.

Detail

Detail	
Time	
Trip Time	04:50:38
Ride Time	04:12:26
Distance	
Distance	78 km
Speed	
AvgSpd	18.9 km/h
MaxSpd	38 km/h
Altitude	
Alt. Gain	2201 m
Alt. Loss	400 m



To view detail workout:

1. In the main screen, press  to select **View History** > **View** and press **LAP ● OK**.
2. Press  to select an activity history from the list and press **LAP ● OK** to enter.
3. Select **Detail** and press **LAP ● OK** to view detail workout.

Lap







Lap			
Lap	Dist. km	Speed km/h	Time
1	10.0	16.4	36:25
2	10.0	15.7	38:10
3	10.0	14.9	40:05
4	10.0	15.4	38:43
5	10.0	15.2	39:17
6	10.0	14.9	40:15
7	10.0	15.3	39:05
8	08.0	29.0	20:38

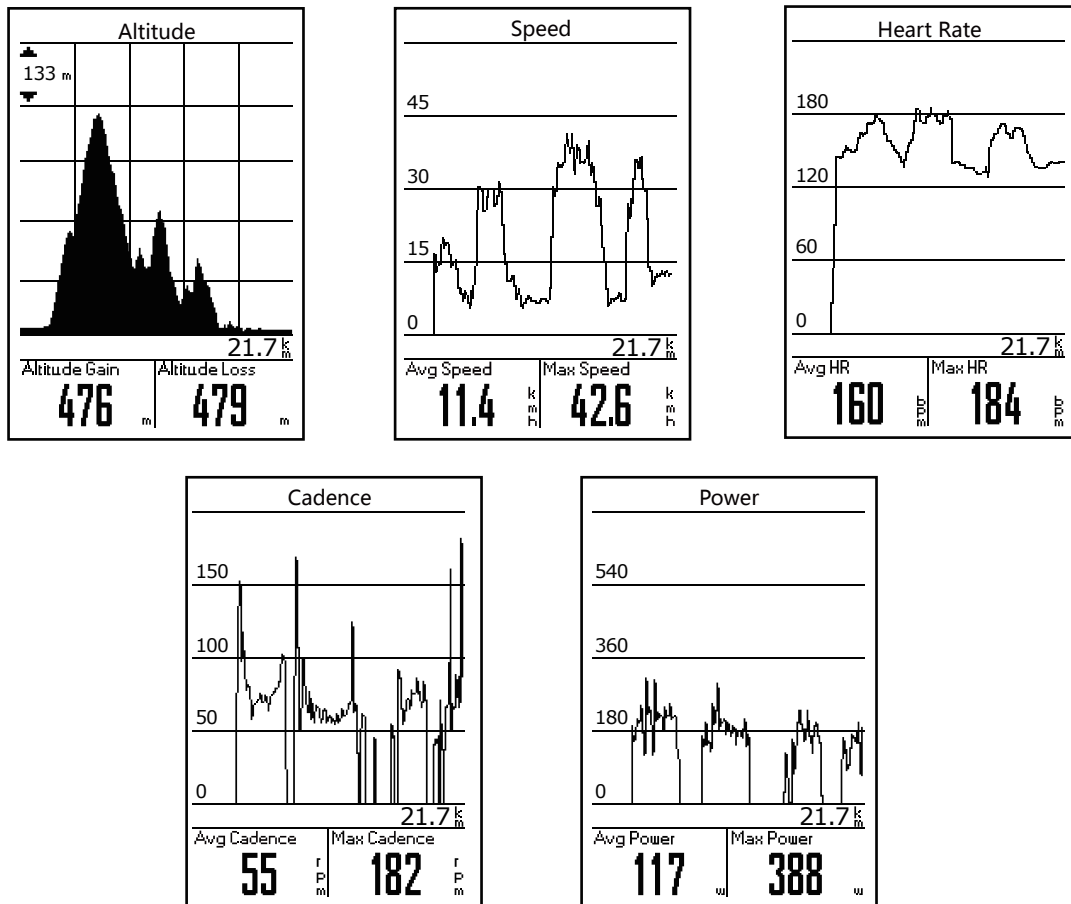
To view lap data:

1. In the main screen, press  to select **View History** > **View** and press **LAP ● OK**.
2. Press  to select an activity history from the list and press **LAP ● OK** to enter.
3. Select **Lap** and press **LAP ● OK** to view lap data.

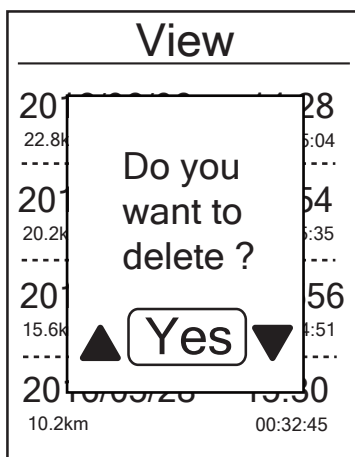
Analysis

To view graphical analysis.







1. In the main screen, press  to select **View History** > **View** and press .
2. Press  to select an activity history from the list and press  to enter.
3. Select **Analysis** and press  to start viewing graphical analysis.
4. Press  to view analysis of **Altitude, Speed, Heart Rate, Cadence** and **Power**.



Delete History



To delete your history:

1. In the main screen, press  to select **View History** > **Delete** and press .
2. Press  to select an activity history from the list and press  to delete the selected history.
3. A "Do you want to delete?" message appears on the screen. To delete the data, press  to select **Yes** and press  to confirm.

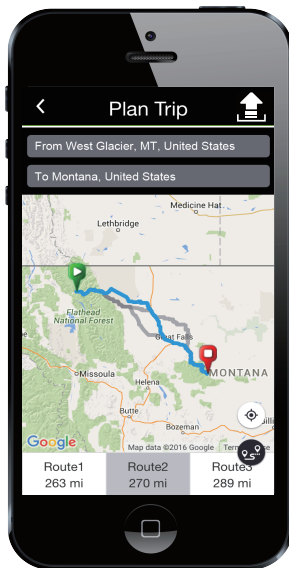
Follow Track

Rider 530 provides 3 ways for you to create tracks: 1. Plan trips via Bryton App. 2. Use previous rides from History. 3. Download .gpx tracks online. With turn by turn navigation the device offers info for distance and direction before every turn.

Note: Turn by turn navigation function only supports trips planned by Bryton App.

Create Tracks

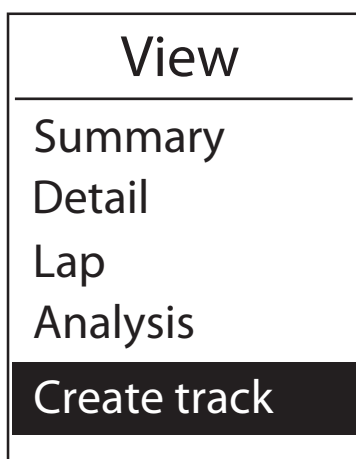
Plan Trips via Bryton App



1. On Bryton App, tap "**Plan Trip**" and enter the city, location or street name to search the location.
2. Tap "📍", Bryton App will plan the trip starting from your location to destination. If you would like to change start point, tap **From Your Location** to edit.
3. Tap "📤" to upload planned trips to server.
4. If you would like to edit the name of your trips, tap the default name to edit.
5. Tap "**Upload**" to confirm.
6. Download the planned trips to the device via **Data Sync**.
7. In the device Main Menu, select **Follow Track > View** and select the planned trip and press **LAP ● OK** to start following the track.

Note: Please refer to page 9~11 to learn how to download planned trips via **Data Sync**

From Device History



1. In the Main Menu, select **View History > View** and press **⌵** to select the desired tracks and press **LAP ● OK** to confirm selection.
2. Press **⌵** to select **Create track**.
3. Enter a name of the track and select "✓" and press **LAP ● OK** to save it.
4. Press **⏪** to be back to the Main Menu.
5. In Main Menu, select **Follow Track > View** and select the saved track and press **LAP ● OK** to start following the track.

From 3rd Party Websites

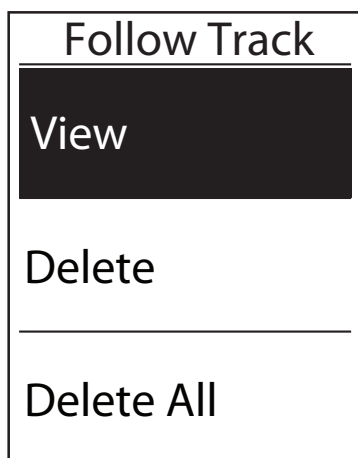


1. Download .gpx files to your computer.
2. Use USB cable to connect the device to your computer.
3. Copy the .gpx files from your computer and paste them to the **ExtraFiles** folder of the device.
4. Remove USB cable.
5. In the device Main Menu, select **Follow Track > View** and select the planned trip and press **LAP ● OK** to start following the track.

Note: Only .gpx files can be imported into the device.

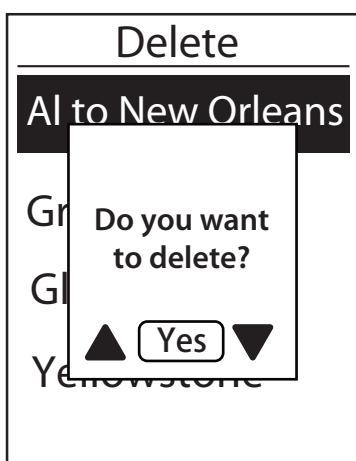
View/Delete Track

You can view and delete your tracks.







View Tracks:

1. In Main Menu, press **≡** to select **Follow Track > View** and press **LAP ● OK**.
2. Press **≡** to select the track and press **LAP ● OK** to view the track.

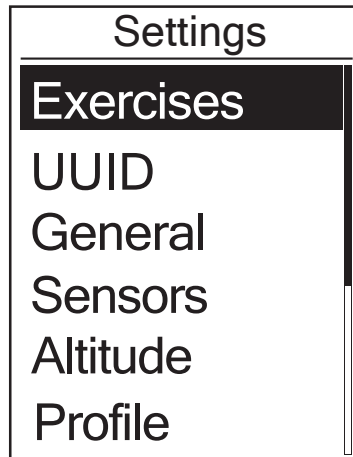



Delete Your Tracks :

1. In the Main Menu, press  to select **Follow Track >Delete** and press **LAP ● OK** .
2. Press  to choose the track and press **LAP ● OK** .
3. A message "Do you want to delete?" pops up. Press  /  to select Yes and press **LAP ● OK** to confirm selection.

Settings

With the Settings feature, you can customize exercises settings, altitude, general settings, sensor settings, bike and user profiles.

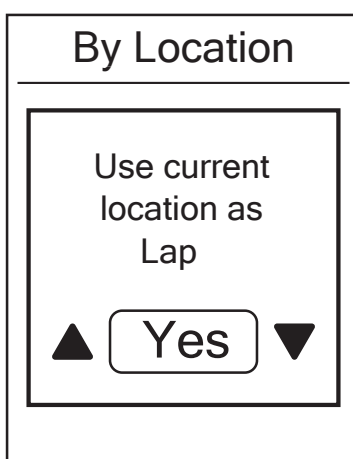







1. In the main screen, press  to select **Settings**.
2. Press **LAP ● OK** to enter the Settings menu.

Smart Lap

With Smart Lap feature, you can use your device to automatically mark the lap at a specific location or after you have traveled a specific distance.

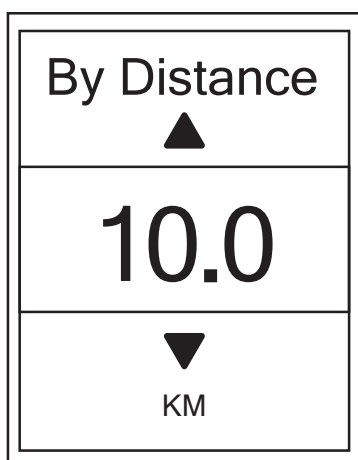
Lap by Location



1. In the Settings menu, press  to select **Exercises > Smart Lap** and press **LAP ● OK**.
2. Press **LAP ● OK** to enter the editing menu. Press  /  to select **Location** and press **LAP ● OK** to confirm.
3. A "Use current location as lap location?" message appears on the screen. To save the data, press  to select **Yes** and press **LAP ● OK** to confirm.
4. Press  to exit this menu.

NOTE: If the GPS signal is not fixed, a "No GPS signal. Searching GPS, please wait" message appears on the screen. Check if the GPS is on and make sure you step outside to acquire the signal.

Lap by Distance

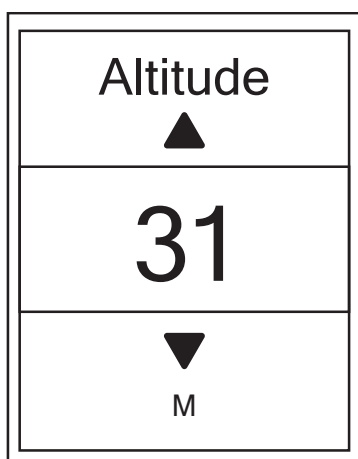


1. In the Settings menu, press \equiv to select **Exercise > Smart Lap** and press $LAP \bullet OK$.
2. Press $LAP \bullet OK$ to enter the editing menu. Press \blacktriangle / \equiv to select **Distance** and press $LAP \bullet OK$ to confirm.
3. Press \blacktriangle / \equiv to select your desired distance and press $LAP \bullet OK$ to confirm.
4. Press $\blacksquare \rightarrow$ to exit this menu.

Altitude

You can set the altitude setting for the current location and four other locations.

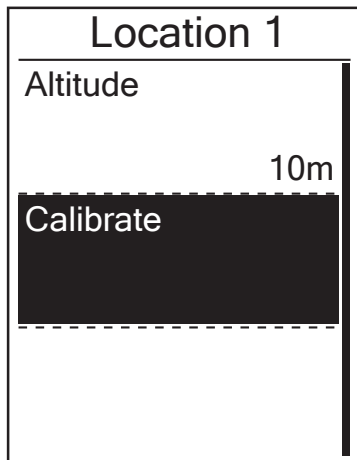
Current Altitude



1. In the Settings menu, press \equiv to select **Altitude > Altitude** and press $LAP \bullet OK$.
2. Press \blacktriangle / \equiv to adjust the desired altitude and press $LAP \bullet OK$ to confirm the setting.
3. Press $\blacksquare \rightarrow$ to exit this menu.

Note: The value of altitude on the meter mode will be changed once current altitude is adjusted.

Other Location Altitude

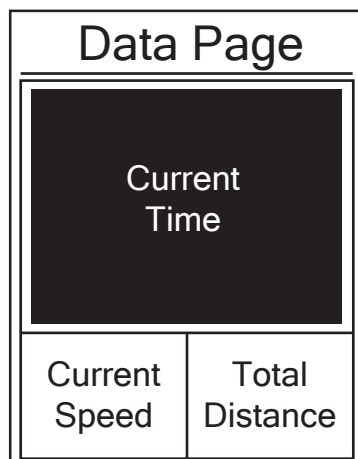


1. In the Settings menu, press \equiv to select **Altitude > Location 1, Location 2, Location 3, Location 4, Location 5** and press $LAP \bullet OK$.
2. To set the altitude, press \equiv to select **Altitude** and press $LAP \bullet OK$ to confirm.
3. Press \blacktriangle / \equiv to adjust the desired altitude and press $LAP \bullet OK$ to confirm the setting.
4. To calibrate the set altitude, press \equiv to select **Calibrate** and press to $LAP \bullet OK$ confirm.
5. Press $\blacksquare \rightarrow$ to exit this menu.

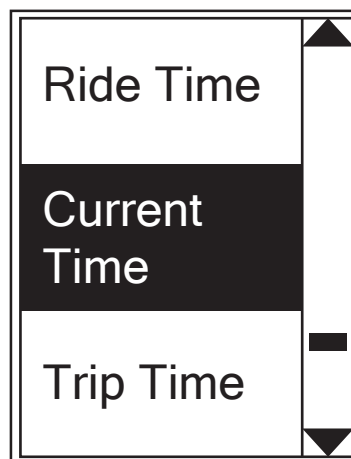
Data Page

You can set the display settings for the Meter and Lap.

Meter Display



3-grid display

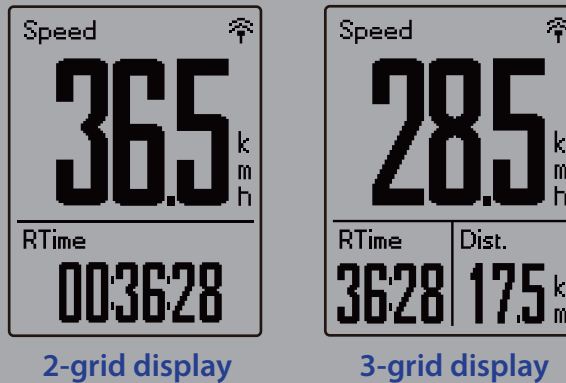


Item selection

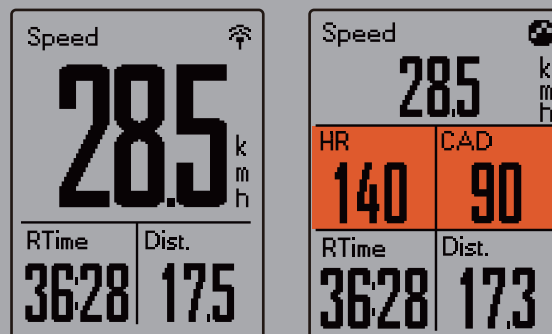
1. In the Settings menu, press \equiv to select **Exercises > Data Page** and press $LAP \bullet OK$.
2. Press $LAP \bullet OK$ to enter **Data Page** setting and change the setting from **Auto** to **Manual**.
3. Press \equiv to enter **Data Page > Data Page 1, Data Page 2, Data Page 3, Data Page 4** or **Data Page 5** and press $LAP \bullet OK$.
4. Press \blacktriangle / \equiv to select the number of data fields and press $LAP \bullet OK$ to confirm.

- Press $\equiv \downarrow$ to select the item field that you want to customize, and press $LAP \bullet OK$ to confirm the selection.
- Press \uparrow / \equiv to select the desired setting and press $LAP \bullet OK$ to confirm.
- Press $\blacksquare \rightarrow$ to exit this menu.

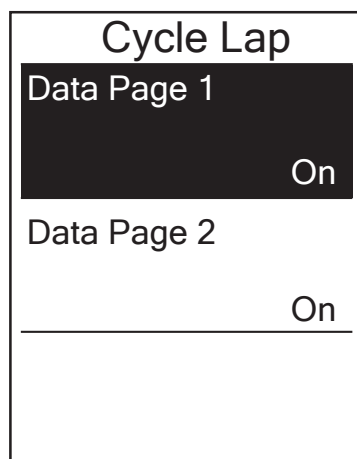
NOTE: The number of data fields shown on the screen depends on the “Data fields” selection.



NOTE: If Data Page is setted as **Auto**, Rider 530 will automatically adjust its data field display when detecting the paired sensors.



Lap Display

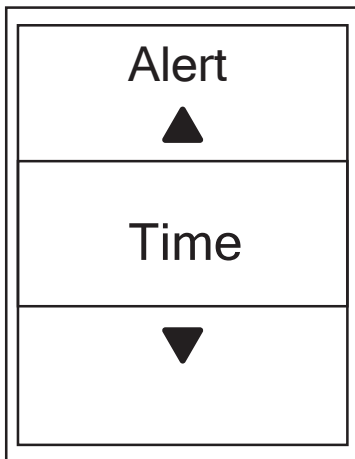


- In the Settings menu, press $\equiv \downarrow$ to select **Exercises > Data Page > Lap > Data Page 1** or **Data Page 2** and press $LAP \bullet OK$.
- Press \uparrow / \equiv to select the number of data fields and press $LAP \bullet OK$ to confirm.
- Press $\equiv \downarrow$ to select the item field that you want to customize, and press $LAP \bullet OK$ to confirm the selection.
- Press \uparrow / \equiv to select the desired setting and press $LAP \bullet OK$ to confirm.
- Press $\blacksquare \rightarrow$ to exit this menu.

Set Alert

With the Alert feature, the device displays a message to notify you if:

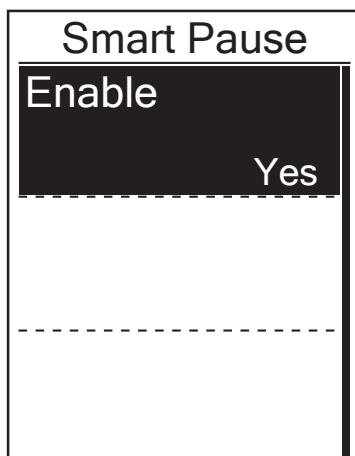
- your heart rate exceeds or drops below a specific number of beats per minute (bpm).
- you exceed or drop below a custom speed setting during your ride.
- your cadence speed exceeds or drops below a specific number of revolutions of the crank arm per minute (rpm).
- you reach a certain amount of distance for the long workouts.
- you reach a certain amount of time for the long workouts.



1. In the Settings menu, press \equiv to select **Exercises** > **Alert** and press $\text{LAP} \bullet \text{OK}$ to enter its submenu.
2. Select **Time**, **Distance**, **Speed**, **HR**, or **Cadence** and press $\text{LAP} \bullet \text{OK}$ to configure the necessary settings.
3. Press $\blacktriangle / \blacktriangledown$ to select the desired setting and press $\text{LAP} \bullet \text{OK}$ to confirm.

Smart Pause

When you have a lot of obstacles along your route such as traffic lights, crosswalk, etc., this can really impact your recorded data. When the function is activated, the time and distance will automatically pause once you stop moving and resume once you start riding to enhance your data efficiency.

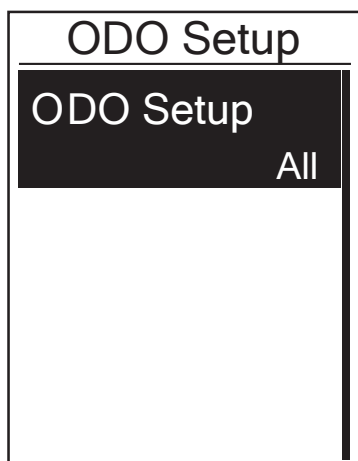


1. In the Settings menu, press \equiv to select **Exercises** > **Smart Pause** and press $\text{LAP} \bullet \text{OK}$ to enter its submenu.
2. Select **Yes** to enable the function.

Data Record

With Data Record function, you can set your odometer and activate 1 second mode to get more accurate data.

Set ODO

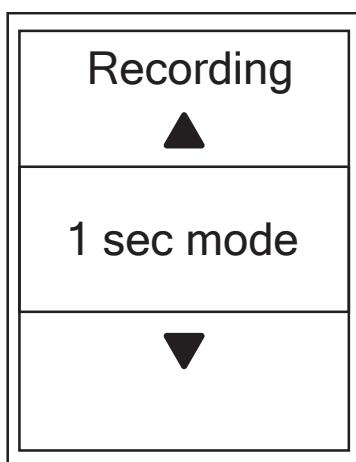


1. In the Settings menu, press \equiv to select **Exercise > Data Record** and press $LAP \bullet OK$.
2. Press \equiv to select **ODO Setup** and press $LAP \bullet OK$ to enter.
3. Press $LAP \bullet OK$ to enter its submenu and press \blacktriangle / \equiv to select the desired setting, then press $LAP \bullet OK$ to confirm.

NOTE: **All** means the odometer would show the cumulative distance of all trips; **Recorded** would only show the cumulative distance of recorded trips.

NOTE: If you would like to reset ODO, please refer to page 29 **Reset ODO**.

Enable 1sec Mode



1. In the Settings menu, press \equiv to select **Exercise > Data Record** and press $LAP \bullet OK$.
2. Press \equiv to select **Recording** and press $LAP \bullet OK$ to enter.
3. Press $LAP \bullet OK$ to enter its submenu and press \blacktriangle / \equiv to select **Yes**, and press $LAP \bullet OK$ to confirm.
4. Press $\blacksquare \blacktriangleright$ to exit this menu.

Personalize User Profile

You can change your personal information.

User Profile	
Gender	Male
Birthday	1982/01/01
Height	177 cm

1. In the Settings menu, press \equiv to select **Profile>User Profile** and press **LAP ● OK**.
2. Press \equiv to select the setting that you want to change and press **LAP ● OK** to enter its submenu.
 - Gender: select your gender.
 - Birthday : set your Birthday
 - Height: set your height.
 - Weight: set your weight.
 - Max HR: set your maximum heart rate.
 - LTHR: set your lactate threshold heart rate.
 - FTP: set your functional threshold power.
 - MAP: set your maximum aerobic power.
3. Press \blacktriangle / \equiv to adjust the desired setting and press **LAP ● OK** to confirm.
4. Press **■ ■ ➔** to exit this menu.

NOTE: Please enter correct personal information since it might affect analysis.

Personalize Bike Profile

You can customize and view your bicycle(s) profile.

Bike 1	
Spd Source	
Weight	13kg
Wheel	1700mm

1. In the Settings menu, press \equiv to select **Profile>Bike Profile> Bike 1** or **Bike 2** and press **LAP ● OK**.
2. Press \equiv to select the setting that you want to change and press **LAP ● OK** to enter its submenu.
 - Spd Source: set the priority of the speed sources
 - Weight: set the bike weight.
 - Wheel: set the bike wheel size.
 - Activate: select to activate the bike.
3. Press \blacktriangle / \equiv to adjust the desired setting and press **LAP ● OK** to confirm.
4. Press **■ ■ ➔** to exit this menu.

NOTE: For details on wheel size, see “Wheel Size and Circumference” on page 44.

View Bike Profile

Bike 1	
Trip 1	1033km
Trip 2	0km
Ride Time	89:23:28

1. In the Settings menu, press $\equiv \downarrow$ to select **Profile > Bike Profile > Overview** and press $\text{LAP} \bullet \text{OK}$.
2. Press $\equiv \downarrow$ to select the desired bike and press $\text{LAP} \bullet \text{OK}$ to confirm.
3. Press $\equiv \downarrow$ to view more data of the selected bike.
4. Press $\text{||} \blacksquare \rightarrow$ to exit this menu.

Adjust Odometer

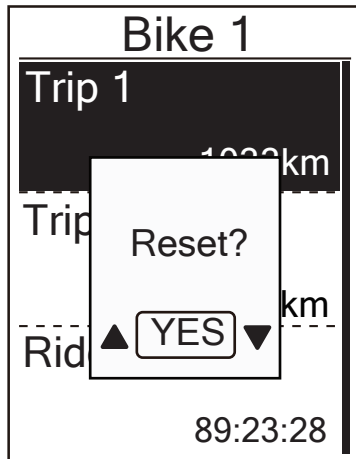
Bike 1+2	
ODO	1033km
Ride Time	89:23:28
Alt.Gain	8600m
Alt.Loss	5740m

1. In the Settings menu, press $\equiv \downarrow$ to select **Profile > Bike Profile > Overview** and press $\text{LAP} \bullet \text{OK}$.
2. Press $\equiv \downarrow$ to select **Bike 1+2** and press $\text{LAP} \bullet \text{OK}$ to confirm.
3. Press $\text{LAP} \bullet \text{OK}$ to enter into ODO setting page.
4. Press $\blacktriangle / \equiv \downarrow$ to adjust ODO and press $\text{LAP} \bullet \text{OK}$ to confirm.
5. Press $\text{||} \blacksquare \rightarrow$ to exit this menu.

NOTE: To get to the number faster, you can long press $\blacktriangle / \equiv \downarrow$.

Reset ODO

You can reset the distance of Trip 1, Trip 2 and odometer.

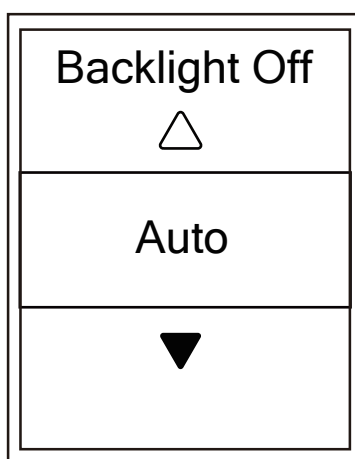


1. In the Settings menu, press \equiv to select **Profile > Bike Profile > Overview** and press $LAP \bullet OK$.
2. Press \equiv to select the desired bike and press $LAP \bullet OK$ to confirm.
3. Press \equiv to select trip 1 or trip 2 and press $LAP \bullet OK$ to confirm.
If you choose Bike 1+2, please select ODO.
4. A message "Reset?" pops up on your device. press \equiv to select "YES" and press $LAP \bullet OK$ to confirm or press \triangle / \equiv to set ODO to the desired number.
5. Press $\blacksquare \rightarrow$ to exit this menu.

Change System Settings

You can customize the device system settings such as backlight off, key tone, sound, time/unit, on-screen display language.

Backlight Off

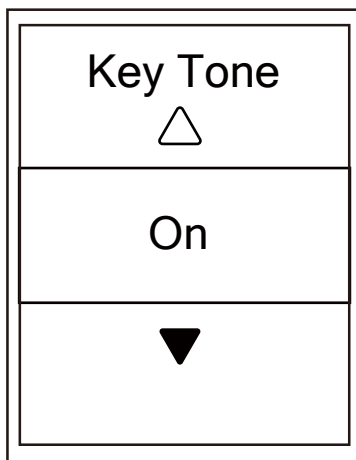










1. In the Settings menu, press \equiv to select **General > System > Backlight Off** and press $LAP \bullet OK$.
2. Press \triangle / \equiv to select the desired setting and press $LAP \bullet OK$ to confirm.
3. Press \odot to activate backlight.
4. Press $\blacksquare \rightarrow$ to exit this menu.

NOTE:

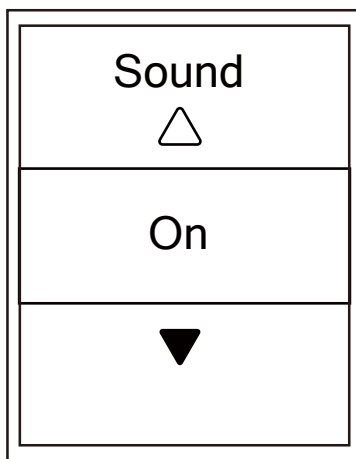
If you select Auto or Never as your backlight setting, after pressing \odot to turn on backlight, you can press again to turn off backlight. If you choose 2 min, 1 min, 30 sec, 15 sec or 5 sec as your backlight setting, you can extend another 2 min, 1 min, 30 sec, 15 sec or 5 sec by pressing \odot again.









Key Tone



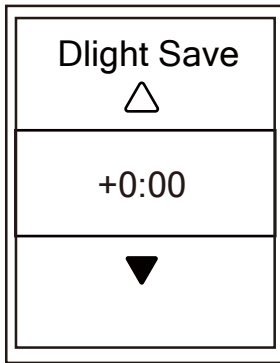
1. In the Settings menu, press  to select **General > System > Key Tone** and press  .
2. Press  /  to select the desired setting and press   to confirm.
3. Press  to exit this menu.

Sound

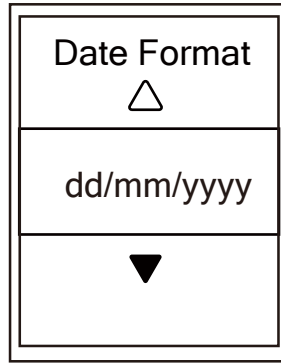


1. In the Settings menu, press  to select **General > System > Sound** and press  .
2. Press  /  to select the desired setting and press   to confirm.
3. Press  to exit this menu.

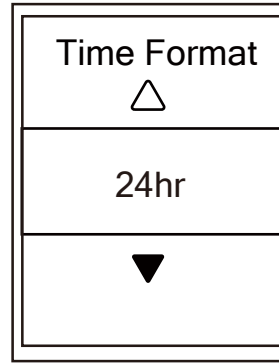
Time/Unit



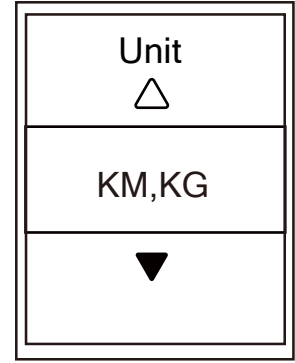
Daylight Save



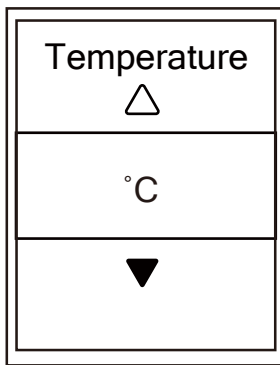
Date format







Time format



Unit

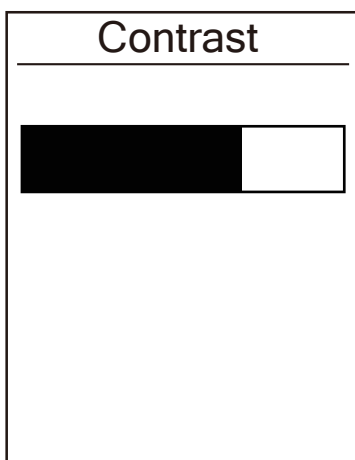






Temperature

1. In the Settings menu, press  to select **General > System > Time/Unit > Daylight Save, Date format, Time format, Unit Temperature** and press **LAP ● OK**.
2. Press  /  to select the desired setting/format and press **LAP ● OK** to confirm.
3. Press  to exit this menu.

Contrast

You can adjust contrast on your device.



1. In the Settings menu, press  to select **General > System > Contrast** and press **LAP ● OK**.
2. Press  /  to adjust desired contrast.
3. Press  to exit this menu.

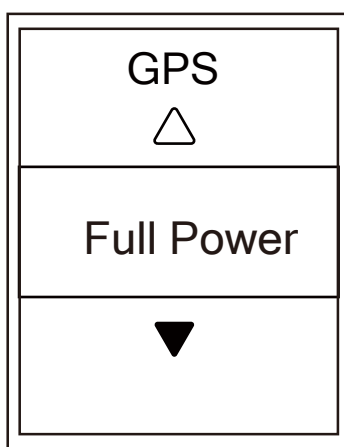
Language



1. In the Settings menu, press \equiv to select **General > System > Language** and press $\text{LAP} \bullet \text{OK}$.
2. Press \blacktriangle / \equiv to select the desired setting and press $\text{LAP} \bullet \text{OK}$ to confirm.
3. Press $\text{||} \blacksquare \rightarrow$ to exit this menu.

View GPS Status





You can view the GPS signal information that your device is currently receiving.



1. In the Settings menu, press \equiv to select **General > GPS** and press $\text{LAP} \bullet \text{OK}$.
2. To set the signal search mode, press $\text{LAP} \bullet \text{OK}$ to confirm.
3. Press \blacktriangle / \equiv to select the desired setting and press $\text{LAP} \bullet \text{OK}$ to confirm.
 - Off: Turn-off GPS functions. Choose this to save power when GPS signal is not available, or when GPS information is not required (such as indoor use).
 - Full Power: maximum position and speed accuracy, consumes more power.
 - PowerSaving: Achieves longer battery life when used in good GPS signal condition, but less accurate.

View Software Version

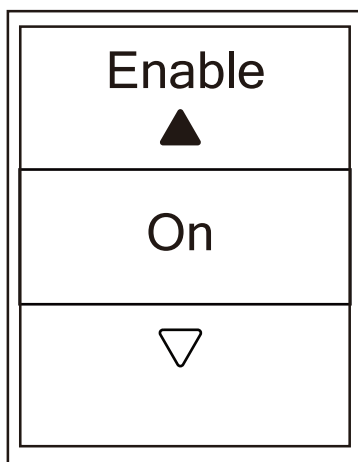
You can view your device current software version.









1. In the Settings menu, press  to select **General > About**.
2. Press   to confirm.
The current software version is displayed on the screen.
3. Press  to exit this menu.

Bluetooth

Before pairing Rider 530 with your bluetooth enabled mobile phone, make sure the bluetooth function of your mobile phone and Rider 530 is turned on.

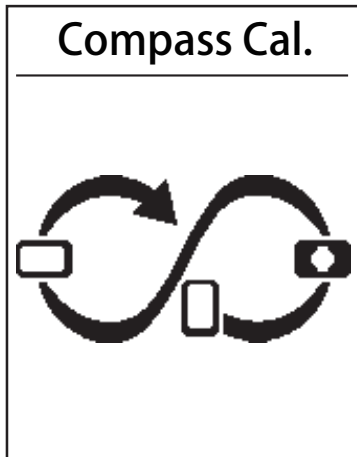
Enable Bluetooth



1. In the Settings menu, press  to select **General > Bluetooth** and press  .
2. Press  /  to select **On** and press   to confirm.
3. Press  to exit this menu.

Calibrate the Compass

To provide accurate navigation direction, Rider 530 has compass function. If you find the compass reading is inconsistent, please calibrate the compass manually.



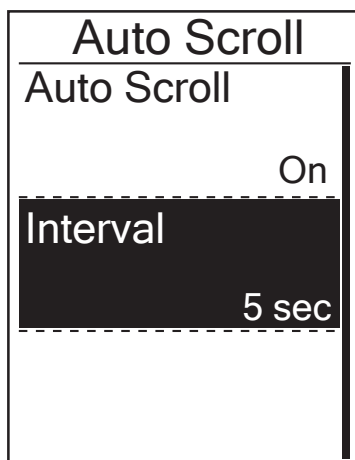
1. In the Settings menu, press \equiv to select **General > Compass Cal.** and press $LAP \bullet OK$.
2. Follow the illustration shown on the device to move the device until confirmation beep.

Note: Compass accuracy would be influenced by objects having magnetic field, such as magnet, materials made of iron and electronic devices. Calibrate the compass outdoors and move away from buildings and power lines.

Note: It usually takes no more than 10 seconds to finish the calibration.

Configure Auto Scroll

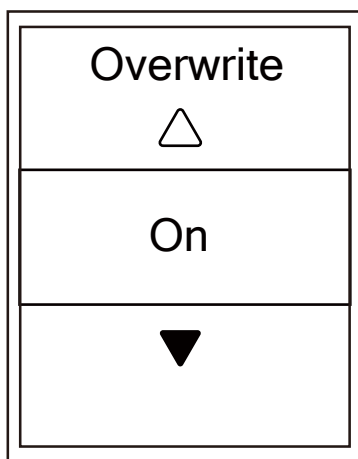
When the feature is enabled, the data will automatically switch pages at the preset time.



1. In the Settings menu, press \equiv to select **General > Auto Scroll** and press $LAP \bullet OK$.
2. Press \equiv to select the setting that you want to change and press $LAP \bullet OK$ to enter its submenu.
 - Auto scroll: enable/disable the auto switch.
 - Interval: set the interval time.
3. Press \blacktriangle / \equiv to adjust the desired setting and press $LAP \bullet OK$ to confirm.
4. Press $\blacksquare \rightarrow$ to exit this menu.

Enable File Saving Mode

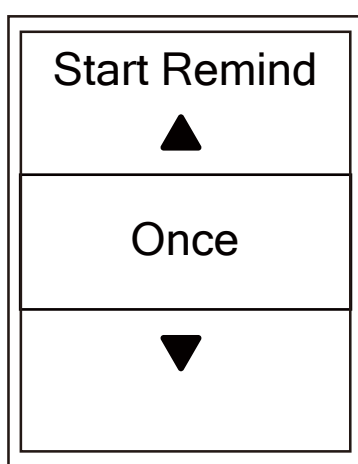
When the feature is enabled, the device will automatically overwrite from your oldest records when memory storage is full.



1. In the Settings menu, press $\equiv \downarrow$ to select **General > File Saving** and press $LAP \bullet OK$.
2. Press $LAP \bullet OK$ to enter its submenu and press $\uparrow / \equiv \downarrow$ to adjust the desired setting and press $LAP \bullet OK$ to confirm.
3. Press $\blacksquare \rightarrow$ to exit this menu.

Start Reminder

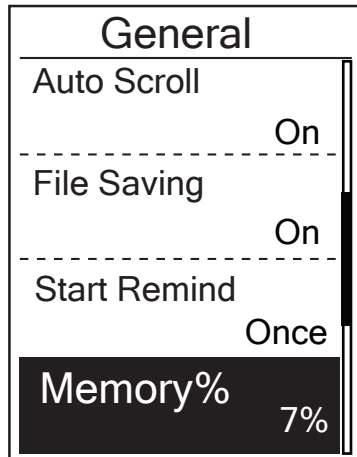
When Rider 530 detects the motion of your bike, it would pop up a reminder to ask you if you would like to record or not. You can set the frequency of start reminder.




1. In the Settings menu, press $\equiv \downarrow$ to select **General > Start Remind** and press $LAP \bullet OK$.
2. Press $LAP \bullet OK$ to enter its submenu and press $\uparrow / \equiv \downarrow$ to adjust the desired setting and press $LAP \bullet OK$ to confirm.
3. Press $\blacksquare \rightarrow$ to exit this menu.

View Memory Usage

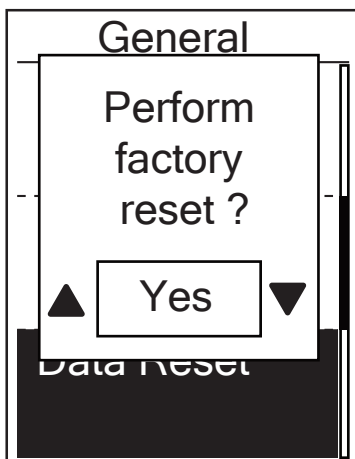
View the storage status of the device.








1. In the Settings menu, press  to select **General > Memory %**. The storage status is displayed next to Memory %.

Reset Data

You can restore your Rider 530 to factory setting.

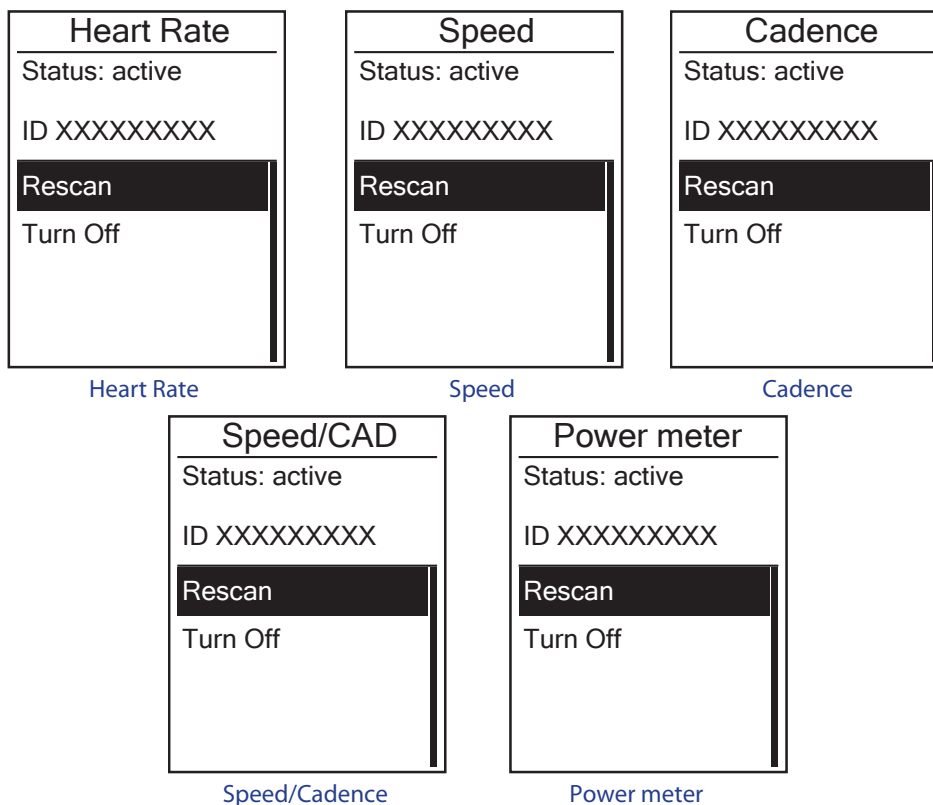


1. In the Settings menu, press  to select **General > Data Reset** and press .
2. Press  /  to adjust the desired setting and press  to confirm.

NOTE: Factory reset operation will restore device to factory default settings. In addition to deleting all the tracks, it will also delete pre-paired sensors and pre-loaded Bryton Test but will not remove UUID from the account you added in.

Sensors

You can customize the respective sensor settings such as enable/disable the function or rescan the sensor for the device.



1. In the Settings menu, press to select **Sensors > Heart Rate, Speed, Cadence, or Speed/CAD Power Meter** and press .
2. Press to have more options. Press to select the desired setting and press to confirm.
 - Rescan: rescan to detect the sensor.
 - Turn on/Turn off: enable/disable the sensor.
3. Press to exit this menu.

NOTE:

- When the heart rate monitor is paired, the heart rate icon appears on the main screen. While pairing your speed/cadence sensor/the heart rate belt and power meter, please make sure there is no other cadence/speed sensor/power meter within 5 m. When the cadence sensor is paired, the cadence sensor icon appears on the main screen.

NOTE:

Rider 530 provides 2 bike profiles. Each profile has its respective sensor setting. Simply activate the bike you choose you ride in **Bike Profile** setting and you are ready to go. Please refer to page 26 to learn how to activate the bike.

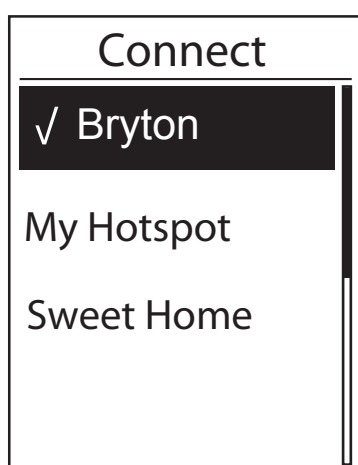
Wireless Local Area Network(WLAN)

Rider 530 supports WLAN. With the access to the internet, the device will automatically sync data to/from Bryton App. Once the connection to a network or hotspot is successfully set up, next time the device will automatically link to the same network or hotspot when detected. You can also forget a network or hotspot and set up a new one.

Note: Please refer to page 9 to learn how to sync data via WLAN.

Connections

Before syncing data, please make sure you have setted up a connection to any network or hotspot.

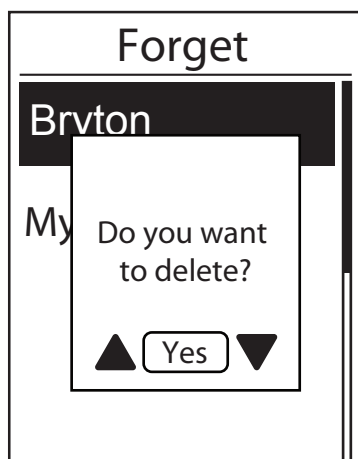


1. In Settings menu, press $\equiv \downarrow$ to select **Network >Connect** and press $LAP \bullet OK$.
2. Press $\uparrow / \equiv \downarrow$ to choose one available network or hotspot and press $LAP \bullet OK$.
3. Press $\uparrow / \equiv \downarrow$ to enter password and choose "√" to confirm selection. If a network is marked "√", it means this network is successfully set up.
4. Press $\parallel \blacksquare \rightarrow$ to exit this menu.

Note: WLAN will be automatically activated during setting and transferring data and turned off once setting and transferring data is completed.

Forget Network

You can view networks or hotspots which have been set up and unlink connections to networks or hotspots.



1. In Settings menu, press $\equiv \downarrow$ to select **Network >Forget** and press $LAP \bullet OK$.
2. Press $\uparrow / \equiv \downarrow$ to choose a network or hotspot and press $LAP \bullet OK$.
3. A message "Do you want to delete?" pops up and press $\uparrow / \equiv \downarrow$ to select "Yes" and press $LAP \bullet OK$ to confirm delete.
4. Press $\parallel \blacksquare \rightarrow$ to exit this menu.

Appendix

Specifications

Rider 530

Item	Description
Display	2.6" FSTN positive transreflective dot-matrix LCD
Physical Size	54.9 x 92.2 x 17.6 mm
Weight	79g
Operating Temperature	-10°C ~ 50°C
Battery Charging Temperature	0°C ~ 40°C
Battery	Li polymer rechargeable battery
Battery Life	33 hours with open sky
RF Receiver	2.4GMHz receiver with embedded antenna to support ANT+ heart rate, speed sensor, cadence sensor
GPS	Integrated high-sensitivity GPS receiver with embedded antenna
BLE Smart	Bluetooth smart wireless technology with embedded antenna
Water Resistant	IPX7 waterproof rating
Wireless Local Area Network	IEEE 802.11 b/g/n

Cadence Sensor

Item	Description
Physical size	33.9 x 13.5 x 39 mm
Weight	14 g
Water Resistance	IPX7
Transmission range	5 m
Battery life	1 hour per day for 16 months
Operating temperature	-10°C ~ 60°C
Radio frequency/protocol	2.4GHz / Dynastream ANT+ Sport wireless communications protocol

Accuracy may be degraded by poor sensor contact, electrical interference, and receiver distance from the transmitter.

Heart Rate Monitor

Item	Description
Physical size	67~100 x 26 x 15 mm
Weight	14 g (sensor) / 35g (strap)
Water Resistance	20 m
Transmission range	5 m
Battery life	1 hour per day for 24 months
Operating temperature	5°C ~ 40°C
Radio frequency/protocol	2.4GHz / Dynastream ANT+ Sport wireless communications protocol

Accuracy may be degraded by poor sensor contact, electrical interference, and receiver distance from the transmitter.

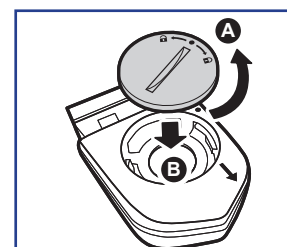
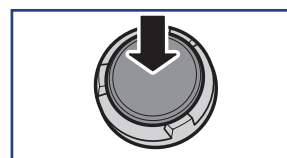
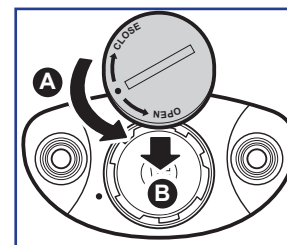
Battery Information

Heart Rate Monitor and Cadence Sensor Battery

The heart rate monitor/cadence sensor contains a user-replaceable CR2032 battery.

To replace the battery:

1. Locate the circular battery cover on the back of the heart rate monitor/cadence sensor.
2. Use a coin to twist the cover counter-clockwise so the arrow on the cover points to OPEN.
3. Remove the cover and battery. Wait for 30 seconds.
4. Insert the new battery, with the positive connector first into the battery chamber.
5. Use a coin to twist the cover clockwise so the arrow on the cover points to CLOSE.

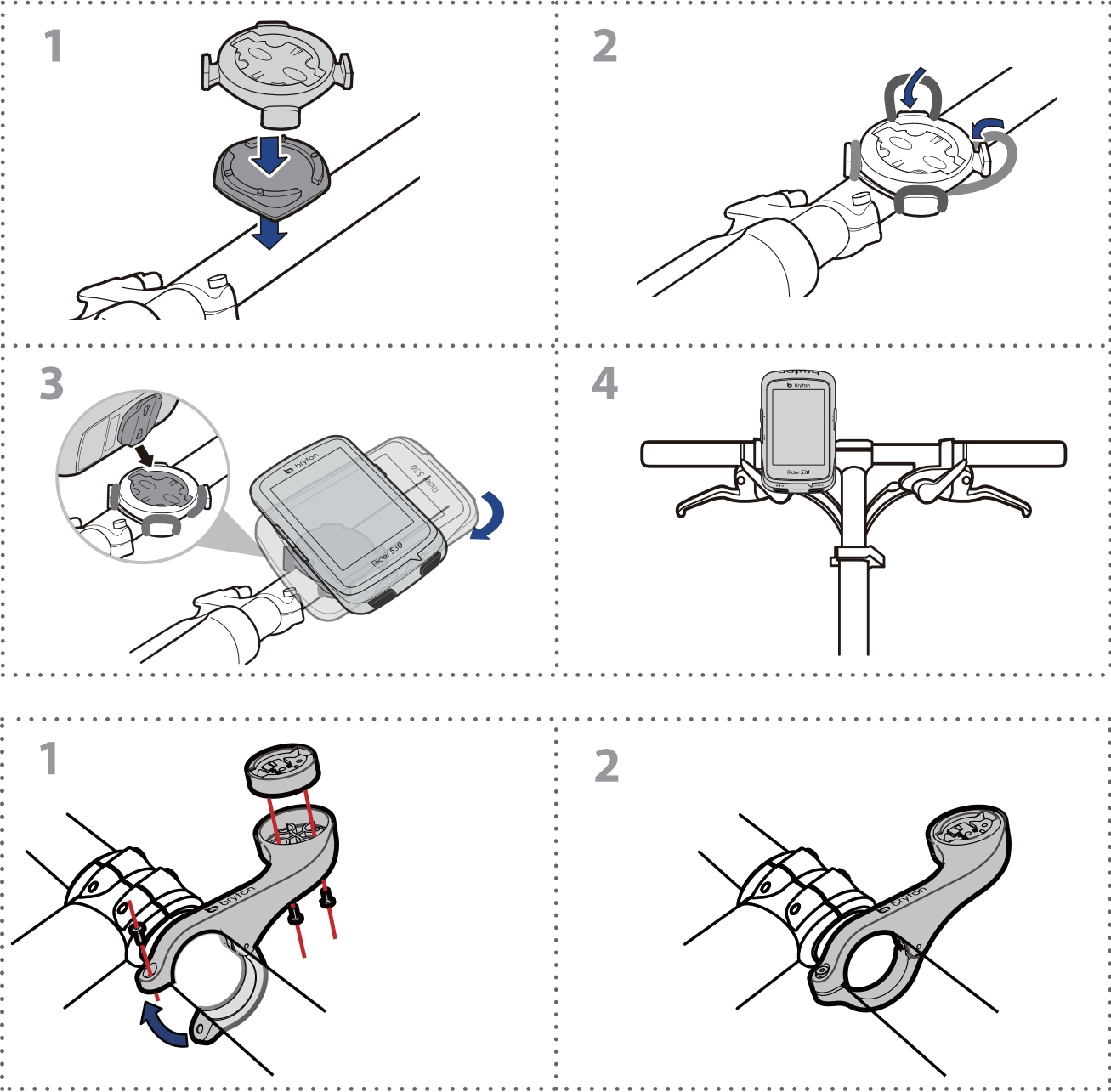


NOTE:

- When installing a new battery, if the battery is not placed with the positive connector first, the positive connector will easily deform and malfunction.
- Be careful not to damage or lose the O-ring gasket on the cover.
- Contact your local waste disposal department to properly dispose of used batteries.

Install Rider 530

Mount Rider 530 to the Bike



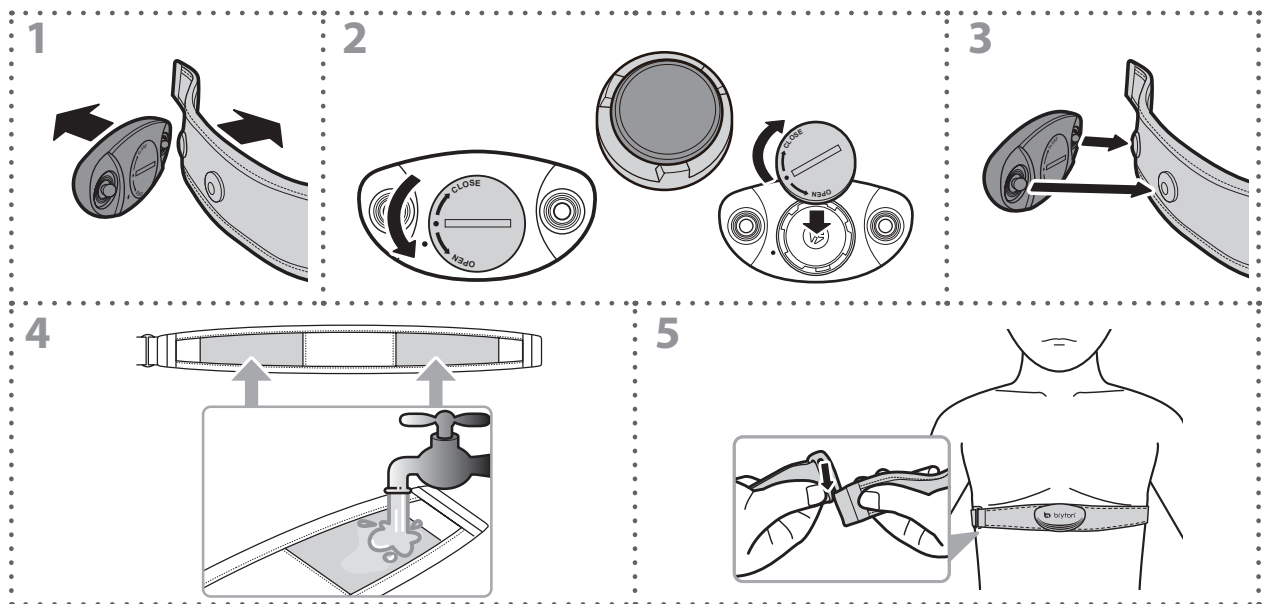
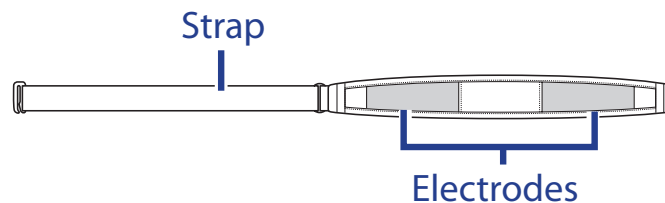
Install the Speed/Cadence/Dual Sensor (Optional)

<p>1a Speed</p>	<p>1b Cadence</p>	<p>1c Dual Sensor</p>	<p>2</p> <p>Remove battery tab before use</p>	<p>3</p>
<p>4a</p>	<p>5a</p>	<p>6a</p>	<p>7a</p>	
<p>4b</p>	<p>5b</p>	<p>6b</p>	<p>7b</p>	
<p>4c</p>	<p>5c</p>	<p>6c</p>	<p>7c</p>	

NOTE:

- To ensure optimum performance, do the following:
 - Align both sensor and magnet as shown in the illustration (5a / 5b). Pay attention on the alignment points.
 - Ensure the distance between the sensor and the magnet is within 3 mm.
- Ensure that both Speed sensor and Speed magnet are installed and aligned horizontally, not vertically.
- On the initial usage, press the front button to activate the sensor and start pedaling. When the sensor detects the magnet, the LED blinks once to indicate the alignment is correct (the LED blinks only for the first ten passes after pressing the button).

Install Heart Rate Belt (Optional)


NOTE:

- In cold weather, wear appropriate clothing to keep the heart rate belt warm.
- The belt should be worn directly on your body.
- Adjust the sensor position to the middle part of the body (wear it slightly below the chest). The Bryton logo shown on the sensor should be facing upward. Tighten the elastic belt firmly so that it will not turn loose during the exercise.
- If the sensor cannot be detected or the reading is abnormal, please warm up for about 5 minutes.
- If the heart rate belt is not used for a period of time, remove the sensor from the heart rate belt.

Wheel Size and Circumference

The wheel size is marked on both sides of the tires.

Wheel Size	L(mm)
12x1.75	935
12x1.95	940
14x1.50	1020
14x1.75	1055
16x1.50	1185
16x1.75	1195
16x2.00	1245
16x1-1/8	1290
16x1-3/8	1300
17x1-1/4	1340
18x1.50	1340
18x1.75	1350
20x1.25	1450
20x1.35	1460
20x1.50	1490
20x1.75	1515
20x1.95	1565
20x1-1/8	1545
20x1-3/8	1615
22x1-3/8	1770
22x1-1/2	1785
24x1.75	1890
24x2.00	1925
24x2.125	1965
24x1(520)	1753
24x3/4 Tubular	1785
24x1-1/8	1795
24x1-1/4	1905
26x1(559)	1913
26x1.25	1950
26x1.40	2005
26x1.50	2010
26x1.75	2023
26x1.95	2050
26x2.10	2068
26x2.125	2070
26x2.35	2083

Wheel Size	L(mm)
26x3.00	2170
26x1-1/8	1970
26x1-3/8	2068
26x1-1/2	2100
650C Tubular 26x7/8	1920
650x20C	1938
650x23C	1944
650x25C 26x1(571)	1952
650x38A	2125
650x38B	2105
27x1(630)	2145
27x1-1/8	2155
27x1-1/4	2161
27x1-3/8	2169
27.5x1.50	2079
27.5x2.1	2148
27.5x2.25	2182
700x18C	2070
700x19C	2080
700x20C	2086
700x23C	2096
700x25C	2105
700x28C	2136
700x30C	2146
700x32C	2155
700C Tubular	2130
700x35C	2168
700x38C	2180
700x40C	2200
700x42C	2224
700x44C	2235
700x45C	2242
700x47C	2268
29x2.1	2288
29x2.2	2298
29x2.3	2326

Basic Care For Your Rider 530

Taking good care of your device will reduce the risk of damage to your device.

- Do not drop your device or subject it to severe shock.
- Do not expose your device to extreme temperatures and excessive moisture.
- The screen surface can easily be scratched. Use the non-adhesive generic screen protectors to help protect the screen from minor scratches.
- Use diluted neutral detergent on a soft cloth to clean your device.
- Do not attempt to disassemble, repair, or make any modifications to your device. Any attempt to do so will make the warranty invalid.

NOTE: Improper battery replacement may cause an explosion. When replacing a new battery, use only the original battery or a similar type of battery specified by the manufacturer. Disposal of the used batteries must be carried out in accordance to the regulations of your local authority.



For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

Data Fields

Data Field	Complete Data Field Name
Sunrise	Sunrise Time
Sunset	Sunset Time
RTime	Ride Time
AvgSpd	Average Speed
Max Spd	Maximum Speed
HR	Heart Rate
Avg HR	Average Heart Rate
Max HR	Maximum Heart Rate
MHR Zone	Maximum Heart Rate Zone
LTHR Zone	Lactate Threshold Heart Rate Zone
MHR%	Maximum Heart Rate Percentage
LTHR%	Lactate Threshold Heart Rate Percentage
AvgCAD	Average Cadence
MaxCAD	Maximum Cadence
LapAvSpd	Lap Average Speed
LapMaSpd	Lap Maximum Speed
L'stLpAvSp	Last Lap Average Speed
LapDist	Lap Distance
L'stLpDist	Last Lap Distance
L'stLapT	Last Lap Time
LapAvHR	Lap Average Heart Rate
LapMaHR	Lap Maximum Heart Rate
L'LpAvHR	Last Lap Average Heart Rate
L'A'MHR%	Lap Average MHR Percentage
L'A'LTHR%	Lap Average LTHR Percentage
LpAvSt'dR	Lap Average Stride Rate
LpStr'dAvL	Lap Stride Average Length
LLpSt'dAvL	Last Lap Stride Average Length
LapAvP	Lap Average Pace
L'stLpAvP	Last Lap Average Pace

Data Fields	Complete Data Field Name
LapMaP	Lap Maximum Pace
LAvCAD	Lap Average Cadence
LLAvCad	Last Lap Average Cadence
ODO	Odometer
Temp.	Temperature
Dist.	Distance
T to Dest	Time to Destination
D to Dest	Distance to Destination
Max Alt.	Maximum Altitude
Alt. Gain	Altitude Gain
Alt. Loss	Altitude Loss
Str'dRate	Stride Rate
AvStr'dRt	Average Stride Rate
MaStr'dRt	Maximum Stride Rate
AvSt'dl'gth	Average Stride Length
AvgPace	Average Pace
MaxPace	Maximum Pace
L'st1kmP	Last 1 km/mile Pace
PW now	Current Power
Avg PW	Average Power
Max PW	Maximum Power
LapMaxPW	Lap Maximum Power
LLapMaxPW	Last Lap Maximum Power
LapAvgPW	Lap Average Power
LLapAvgPW	Last Lap Average Power
3s PW	3 Seconds Average Power
10s PW	10 Seconds Average Power
30s PW	30 Seconds Average Power
MAP Zone	Maximum Aerobic Power Zone
MAP%	Maximum Aerobic Power Percentage
FTP Zone	Functional Threshold Power Zone

Data Fields	Complete Data Field Name
CPB-LR	Current Left and Right Power Balance
MPB-LR	Maximum Left and Right Power Balance
APB L-R	Average Left and Right Power Balance
CTE-LR	Current Left and Right Torque Effectiveness
MTE-LR	Maximum Left and Right Torque Effectiveness
ATE-LR	Average Left and Right Torque Effectiveness
CPS L-R	Current Left and Right Pedal Smoothness
APS L-R	Average Left and Right Pedal Smoothness
MPS-LR	Maximum Left and Right Pedal Smoothness
IF	Intensity Factor
NP	Normalized Power
SP	Specific Power
TSS	Training Stress Score
3s PB	3 seconds Average Left/Right Power Balance
10s PB	10 seconds Average Left/Right Power Balance
30s PB	30 seconds Average Left/Right Power Balance
LPB-LR	Lap Left/Right Power Balance
Lap NP	Lap Normalized Power
LLap NP	Last Lap Normalized Power

NOTE: Some data fields may only apply to certain models.