User Manual

Rider 860

bryton

Table of Contents

WARNING

Always consult your physican before you begin any training. Please read the details in Warranty and Safety information guide in the package.

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 majory failure and for compensation for any other reasonably forseeable 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 majoy failure.

Video Tutorial

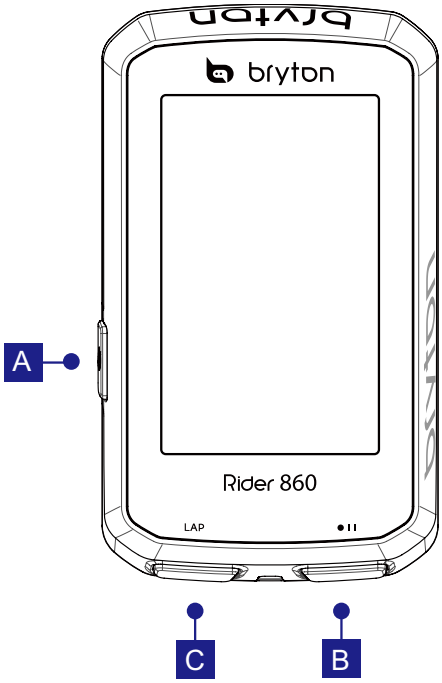
For a step-by-step demonstration of device and Bryton Active app, please scan the QR code below to check out Bryton Tutorial Videos.

http://www.youtube.com/c/BrytonActive

Getting Started

This section will guide you through basic preparations before first use with your Rider 860.

Rider 860 Key Functions



1 Power(⏻)
- Long Press to turn the device ON/OFF.
- Press to lock the touchscreen.

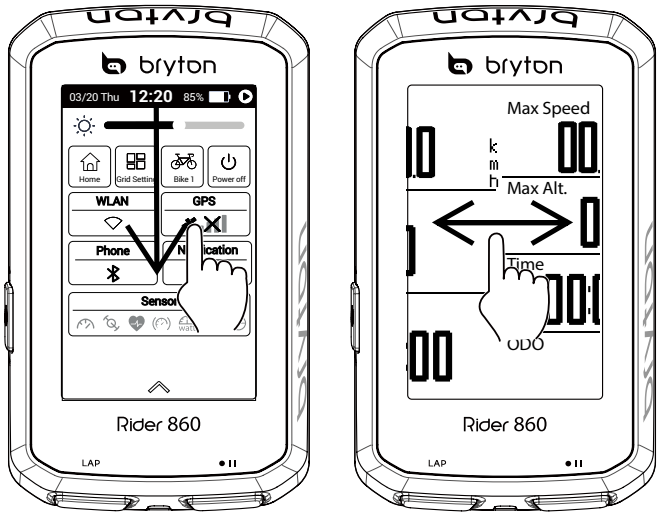
2 Record (● II)
- In Cycling mode, press to start recording.
- When recording, press to pause recording.

3 LAP (LAP)
- When recording, press to mark the lap.

Forced Shutdown

Long press (⏻) for 8 seconds to shutdown the device.

Touch Screen



- Swipe down from top of the screen to access Quick Settings.
- In Cycling mode, swipe left or right to view more data pages.
- In Cycling mode, long press to edit cycling grids.
- Select ✓ to confirm selection.
- Select ✕ to cancel selection.
- Select ← to return to the previous page.

Accessories

The Rider 860 comes with the following accessories:

• USB Cable • Bike Mount • Sport Mount • Safety Lanyard

Optional items:

• Smart Heart Rate Monitor • Smart Speed Sensor • Smart Cadence Sensor

Status Icons

Icon	Description
GPS Signal Status	
	GPS Off
	No Signal (not fixed)
	Weak Signal
	Strong Signal
WLAN Status	
	WLAN Off
	No WLAN Signal
	Weak WLAN Signal
	Strong WLAN Signal
Power Status	
	Full battery
	Out of battery
	Battery Charging
Record	
	Log Record in Progress
	Recording Paused
	Recording Stopped

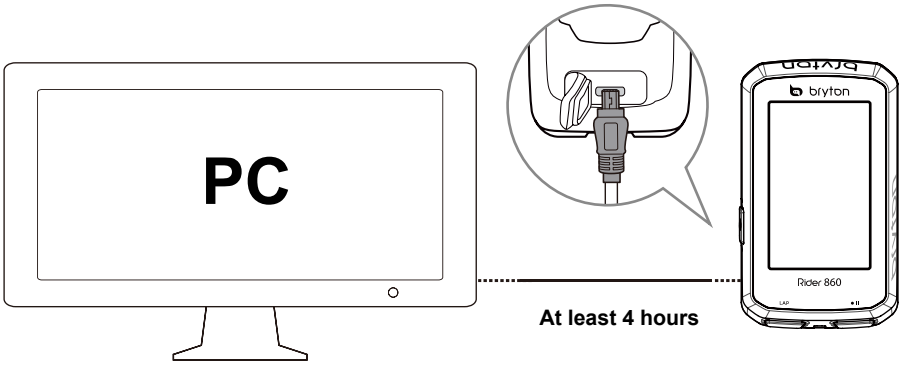
Icon	Description
Navigation	
	Categories
	Save Route
	Route
	History
	Coordinate
	Navigation
	Address
	Favorite
	Altitude
	Default View
	Zoom in
	Zoom out
	Locate Current Position
	Add to Favorite
	Search POI
	Add a PIN
	Heading Mode
	Compass Mode

Icon	Description
Sensor Pairing	
	Heart Rate Sensor Active
	Speed Sensor Paired
	Cadence Sensor Paired
	DI2 Active
	Electronic Shifting Active

Step 1: Charge your Rider 860

Connect Rider 860 to a PC to charge the battery for at least 4 hours. Unplug the device when it is fully charged.

- You may see the battery icon blinking when the battery is very low. Keep the device plugged in until 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 860

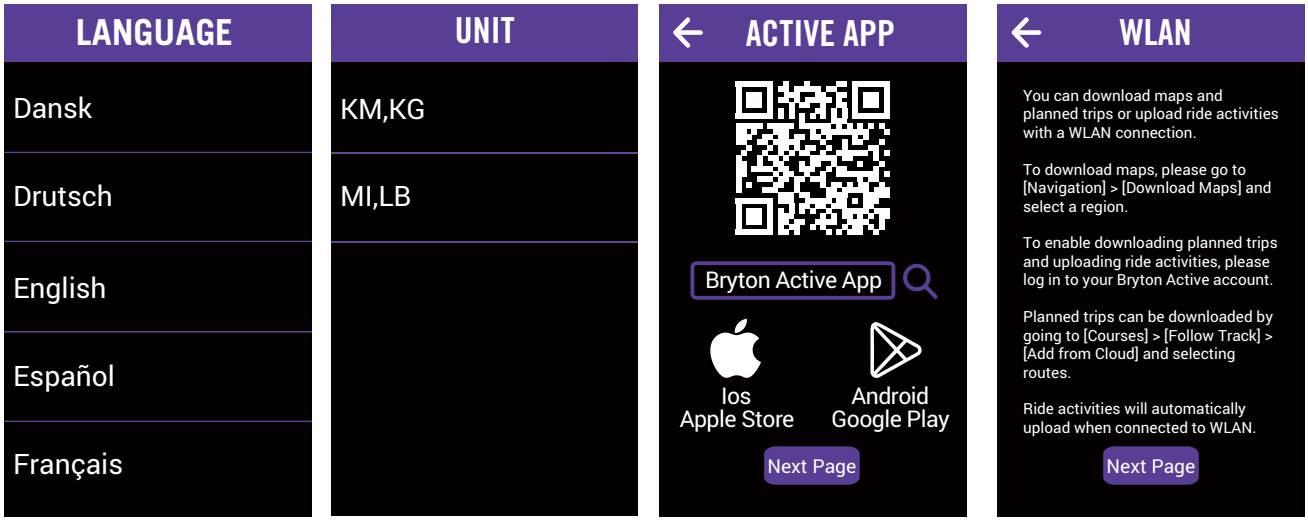
Press to turn on the device.

Step 3: Initial Setup

When powering on the Rider 860 for the first time, the setup wizard will appear on the screen.

Follow the instruction to complete setup.

1. Select the display language.
2. Select the unit of measurement.
3. Use QR code to find and download the Bryton Active App.
4. Read WLAN description and select Next Page.



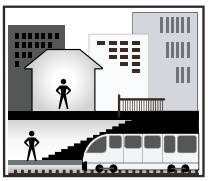
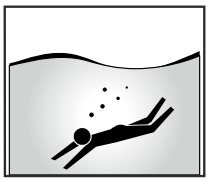
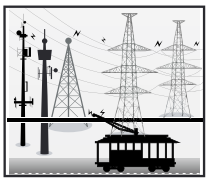
Step 4: Acquire Satellite Signals

Once the Rider 860 is turned on, it will automatically search for satellite signals. It may take 30 to 60 seconds to acquire signals for first time use.

The GPS signal Icon (/) appears when GPS is fixed .

- If GPS signal is not fixed, a icon appears on the screen.

Please avoid obstructed environments since they might affect GPS reception.

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

Step 5: Ride with Rider 860

- **Free ride:**
  In cycling mode, measurement starts and stops automatically in sync with the movement of the bicycle.
- **Start an exercise and record your data:**
  In cycling mode, press ● II to start recording, press ● II again to pause recording.

Step 6: Share Your Records

Share Your Tracks to Brytonactive.com

1. **Sign up on Brytonactive.com**

   a. Go to https://active.brytonsport.com.

   b. Register for a new account

2. **Connect to PC**

   Turn on your Rider 860 and connect it to your computer by USB cable. Select fit files from Bryton disk > Rider 860 > Download > History.

3. **Share Your Records**

   a. Click “+” in the right upper corner.

   b. Drop FIT, BDX, GPX file(s) here or Click “Select files” to upload tracks.

   c. Click “Activities” to check uploaded tracks.

Share Your Tracks to Strava.com

1. **Sign up/log in on Strava.com**
   a. Go to https://www.strava.com
   b. Register for a new account or use your current Strava account to log in.
2. **Connect to PC**
   Turn on your Rider 860 and connect it to your computer by USB cable.
3. **Share Your Records**
   a. Click “+” on the top right corner of the 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”.

Connect Rider 860 to PC

For Windows PC:

a. Power on Rider 860
b. Connect Rider 860 to PC by using Bryton’s original USB cable
c. Open “This PC”/”My Computer” and find “Bryton” disk.

For Mac PC:

a. Install Android File Transfer app on Mac
   https://www.android.com/filetransfer/
b. Power on Rider 860
c. Connect Rider 860 to PC by using Bryton’s original USB cable
d. Bryton disk page will automatically pop up

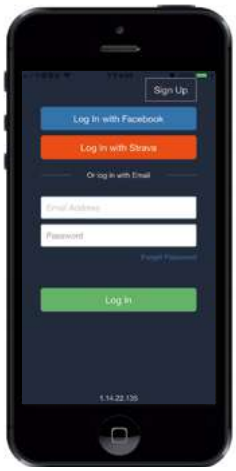
Auto Sync Tracks to Bryton Active App

With connection to Bluetooth or WLAN, your Rider computer easily uploads recorded tracks. To sync data correctly from your device via bluetooth, it is required to pair the device with Bryton active app before syncing data for the first time.

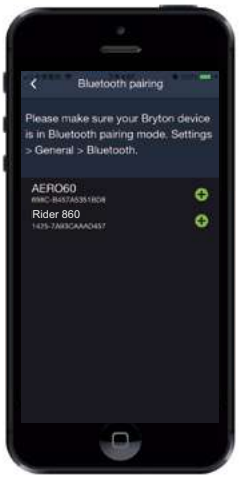
Sync via BLE

a. Scan QR code below to download Bryton Active App or go to Google Play/App Store to search Bryton Active App. Then, log in or create an account.

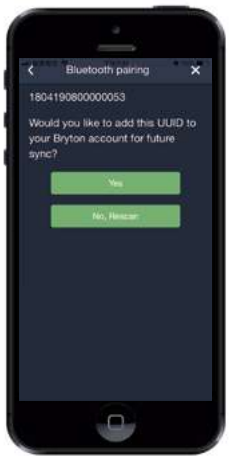
http://download.brytonsport.com/inst.html



b. Go to Settings>Device Manager>+> Rider 860 to add your GPS device.



c. Check if UUID shown on app is the same as your device. Select "Yes" to confirm adding this device. If the UUID does not match, press NO to try adding again.

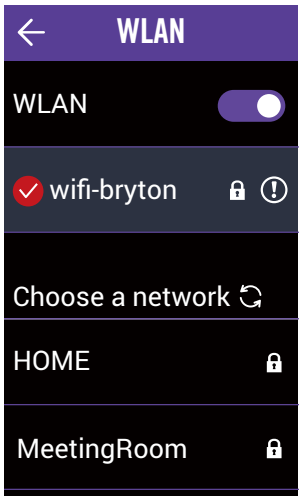


d. Successfully added! Turn on Auto Sync Tracks. Now new tracks will be automatically uploaded to Bryton Active App..

NOTE: Bryton Active App syncs with Brytonactive.com. If you already have a brytonactive.com account, please use the same account to log in to Bryton Active App and vice versa.

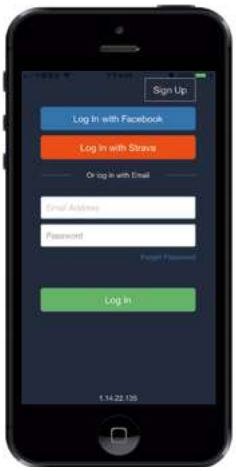
Sync via WLAN

a. Set up WLAN in Settings > WLAN. Select a network to set up a connection.

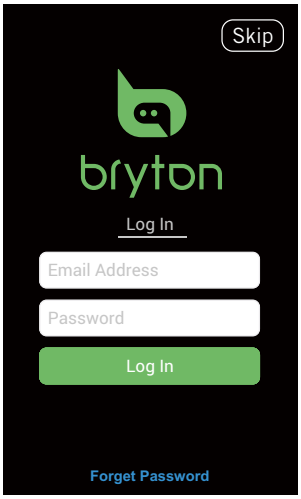


b. Scan QR code below to download Bryton Active App or go to Google Play/App Store and search for “Bryton Active App. Then create an account.

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



c. Log in with your Bryton Active account by going to Profile and selecting Log In.

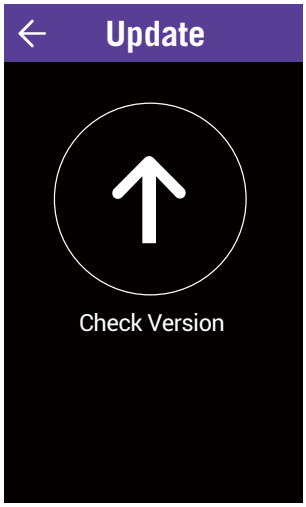


d. Once the device is connected to WLAN, new tracks will be automatically uploaded to Bryton Active App.

Update Device Software

Bryton releases new software version updates at irregular intervals to add new functions or correct bugs for better and more stable performance. It is recommended that you update the software once new software is available. Software updates usually take longer to download and install. Do not turn off the device while software is updating.

1. Select **Settings** in home page.
2. Select **Software Update**.
3. Follow the instructions to complete the software update.

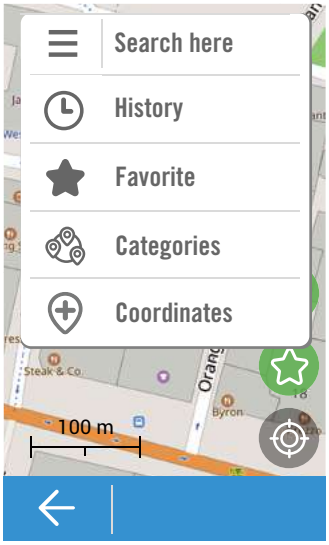


Course

There are 2 primary Course functions. First is Follow Track, where you can create tracks, access your Follow Track routes and use them to navigate along or to a predefined route. The second is Workout where you can create workouts or access workouts that you plan via the Bryton Active App.

Follow Track

Create Track



1. Select **Course** in home page.
2. Select **Follow Track** > **Create**.

Select Location

1. Select an option.
   - To add a point manually, select .
   - To search for a point, type a location in the **Search bar**.
2. Select to confirm the pin placement.

More Location Options

1. Select the icon on the top left for more options.
   - Select for selected location history.
   - Select for a saved favorite point.
   - Select for different POI categories.
   - Select for typing coordinates and select to confirm.

Add More / Delete / Edit Points

1. Select for more options.
   - Select **Enable Waypoints** to add more points.
   - Select **Delete Point** to delete points.
   - Select **Edit Waypoint** to change the order/add to favorite/delete.

Save Point as Favorite

Select to save a point as favorite.

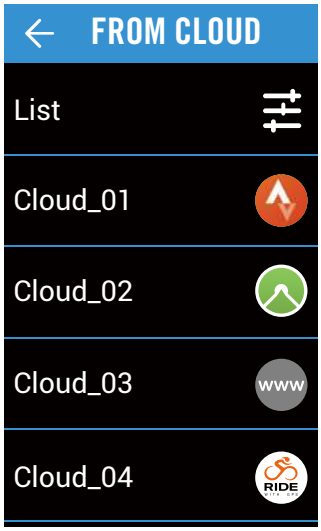
View Track

1. Select to choose Easy/Short track.
2. Tap the screen to view more options.
3. Select an option
   - To view altitude details, select .
   - To view course details, select .
   - To switch between compass / heading modes, select / respectively.
   - To zoom in the map/altitude chart, select .
   - To zoom out the map/altitude chart,

Save Route

Select to save the planned route.

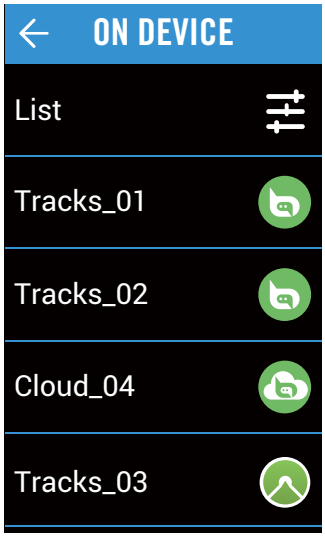
Add from Cloud



1. Select **Course** in home page.
2. Select **Follow Track** > **From Cloud**.
3. Select ⇄ to open categories.
4. Select one category which you would like to import to the device.
5. "**Would you like to import this track to device**" message pops up. Select ✓ to confirm.
6. You can find the imported track in the **On Device**.

Note: Before importing tracks from the cloud, make sure you set up a wireless network connection in Settings > WLAN.

On Device



1. Select **Course** in home page.
2. Select **Follow Track** > **On Device**.

Edit Track List

1. Select ⇄ to open categories.
2. Select one category and select ✓ to confirm.
3. Swipe left for more options.
   - Select 🗑 to delete.

Select Track

1. Select one track which you would like to follow.

View Track

1. Tap the screen to view more options.
2. Select an option.
   - To view altitude details, select ◢.
   - To view course details, select 📍.
   - To switch between compass / heading modes, select Ⓝ/ Ⓐ respectively.
   - To zoom in the map/altitude chart, select ⊕.
   - To zoom out the map/altitude chart, select ⊖.
   - To locate your position, select ◎.
   - To return to the default mode, select ⊗.
   - To reverse Start and End point, select ⇅.

Start Following Track

1. Select ▶ to start your ride.

Workout

Create a Workout

1. Select **Course** in home page.
2. Select **Workout** > **Create a Workout**.

Set A Workout

1. Add parts.
   - **Select Interal Type** (Warm Up/Activity/Recovery/Cool Down).
   - **Duration** (Distance/Time).
   - **Target** (FTP/MAP/MHR/LTHR/Speed/Cadence).
2. Select **OK** to confirm.
3. Select **Add Part** to continue adding interval type.

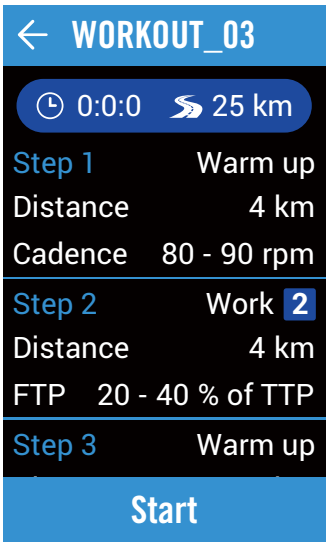
Edit Workout

1. Tap the Step you would like to make changes for more options.
   - Select ^ v to change the order.
   - Select ✎ to edit the interval type.
   - Select 🗑 to delete the interval type.

Save Workout

1. Select Save to edit name and select ✓ to save it.

My Workout



1. Select **Course** in home page.
2. Select **Workout** > **My Workout**.
3. You can view all the workouts that you have saved.

Delete Workout

1. To delete the workout, swipe left and select 🗑 to delete.

Start Workout

1. Select the workout you would like to start.
2. Select **Start** to start the workout.

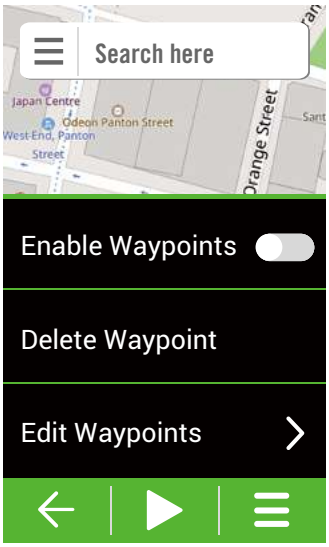
Stop Workout

1. Press ■ ❚❚ to stop the ride.
   - Select Discard to discard the record.
   - Select Save to save the record.

Navigation

With the navigation function, you will be able to navigate from a current or planned starting point to a destination.

Navigation



1. Select **Navigation** in home page.
2. Select **Navigation** > **Navigation**.

Locate Your Position

1. Before locating your position, make sure you locate satellite.
2. Tap to locate your current position.

Select Location

1. Select an option.
   - To add a point manully, select .
   - To search for a point, type a location in the **Search bar**.
2. Select to confirm the pin placement.

More Location Selection Options

1. Select the icon on the top left for more options.
   - Select for selected location history.
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   - Select for typing coordinates and select to confirm.

Add More / Delete / Edit Points

1. Select for more options.
   - Select **Enable Waypoints** to add more points.
   - Select **Delete Point** to delete points.
   - Select **Edit Waypoint** and tap the point you would like to change the order/add to favorite/delete.

Save Point as Favorite

Select to save a point as favorite.

View Track

1. Select to choose Easy/Short track.
2. Select an option
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   - To view course details, select .
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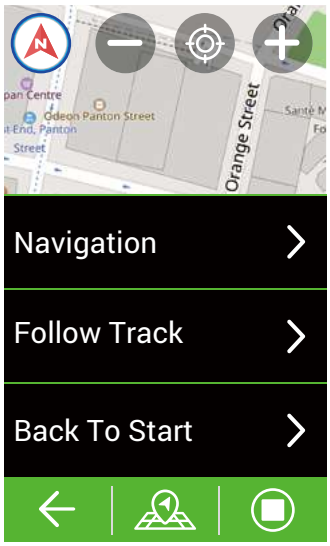
   - To locate your position, select .



Start Navigation

1. Select ▶ to start navigation.
2. Swipe left to see more pages.

Navigating Back To Start

1. Select > **Back To Start**.
2. Select **Same Route** or **Navigation**
3. Select ▶. The device navigates you to the start point of your ride.

Navigation

1. Select > **Navigation**.
2. Start to place pins to renavigate.
3. Select ▶ to start navigation.

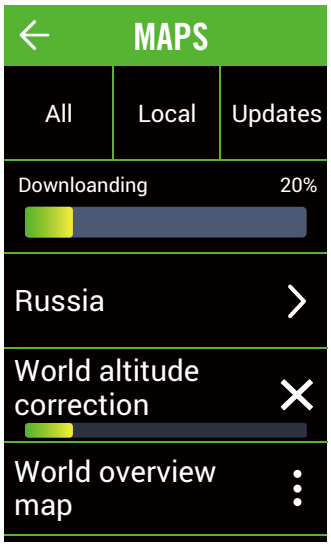
Use Follow Track

1. Select > **Follow Track**.
2. Select track from the list.
3. Select ▶ to start your ride.

Stop Navigation

1. Select ■.
2. "**Stop Navigation"** message pops up. Select ✓ to stop navigation.

Download Maps



1. Select **Navigation** in home page.
2. Select **Navigation** > **Download Maps**.
3. Select **All** to select region and desired map to download.
4. Select **Local** to view your downloaded map.
5. Select **Updates** to check if there is a new version of the downloaded maps.

Note: Before downloading map, please go to Settings > WLAN to set a wireless network connection.

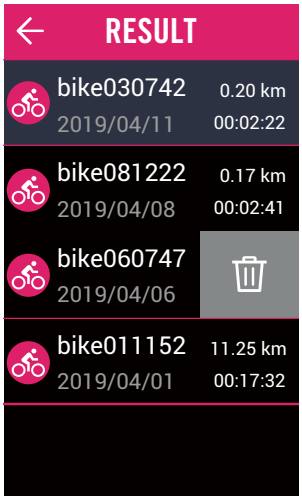
Results

You can view exercise records on your device right after your workout or delete any unwanted records to gain more storage.

View Record

1. Select **Results** in home page.
2. Select one record to view details.
3. Select category to view more data.

Edit Record



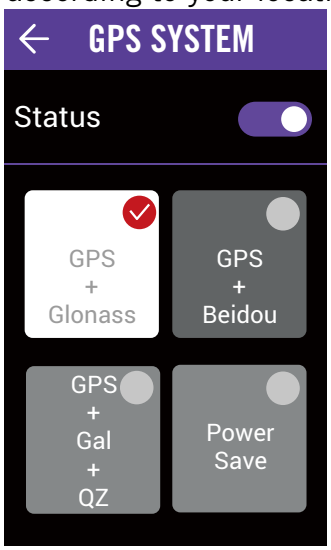
1. Select **Results** in home page.
2. Select one record to make changes.
3. Swipe left for options.
   - Select 🗑 to delete the record.

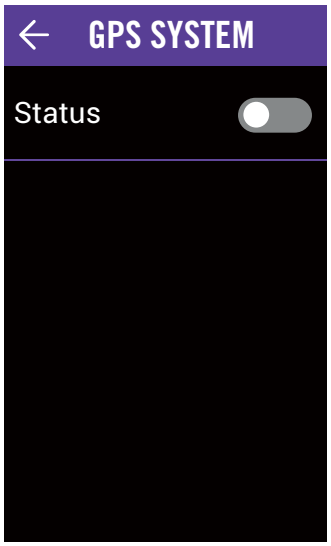
Settings

In Settings, you can customize GPS system, Grid settings, General settings, Bike settings, WLAN, Altitude, Map Display, Navigation. You can also customize most used device settings via Bryton Active App.

GPS System

Rider 860 has full GNSS (Global Navigation Satellite System) support including GPS, GLONASS (Russia), BDS (China), QZSS (Japan) and Galileo (EU). You can select a suitable GPS Mode according to your location to enhance accuracy or better suit your needs.





1. Select **Settings** in home page.
2. Select **GPS System**.

Enable GPS System

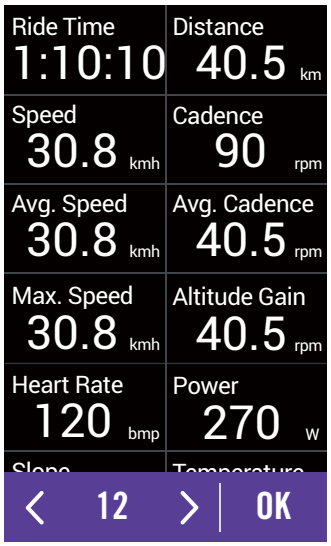
1. Enable GPS System.
2. Select one satellite navigation system to suit your need.
   - GPS+Glonass : GPS + GLONASS Navigation Satellite System. Glonass is the second navigational system working with global coverage and of comparable precision. Choose this combination if you're in NON Asia-Pacific region for best accuracy.
   - GPS+Beidou : GPS + BeiDou Navigation Satellite System. By April 2018, BeiDou is offering service in the Asia-Pacific region. Choose this combination if you're in this region for best accuracy.
   - GPS+Gal+QZ : GPS+Galileo+QZSS Navigation Satellite System. Consume less power than the two selection above, with sufficient accuracy for normal use.
   - Power Save : Trade-off accuracy to achieve maximum battery life. Use this mode in open sky.

Disable GPS System

1. Disable GPS to save power when GPS signal is not available, or when GPS information is not required (such as indoor use).

Grid Settings

You can customize the display settings for the Cycling, Lap, Map and Altitude options or you can customize data pages by long pressing on cycling grids.

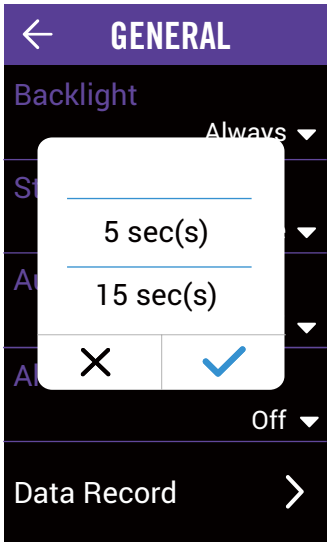


1. Select **Settings** in home page.
2. Select **Grid Settings.**
3. Select and enable data pages.
4. Tap data page to makes changes.
5. Select the number of data fields.
6. Long press data field to change a data field.
7. Select OK to confirm.

General

You can customize the device system settings such as backlight, Start Remind, Auto Lap, Alert, Data Recording, Auto Scroll, Key Tone, Sound, Smart Pause, File Saving and Data Reset.

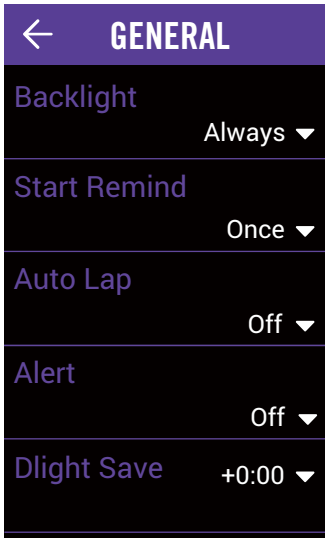
Backlight



1. Select **Settings** in home page.
2. Select **General>Backlight**.
3. Select desired setting.
4. Select ✔ to confirm.

Start Remind

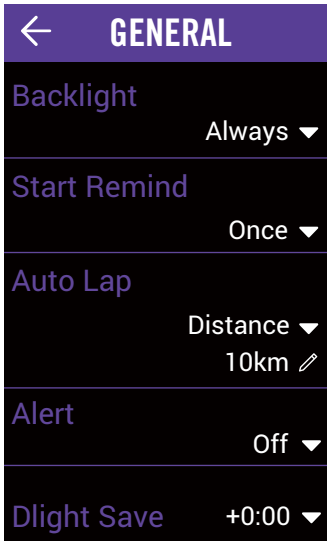
When the device detects the motion of your bike, it would pop up a reminder to ask you if you would like to record or not. You can set the frequency of start reminder.



1. Select **Settings** in home page.
2. Select **General>Start Remind**.
3. Select desired setting.
4. Select ✓ to confirm.

Auto Lap

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



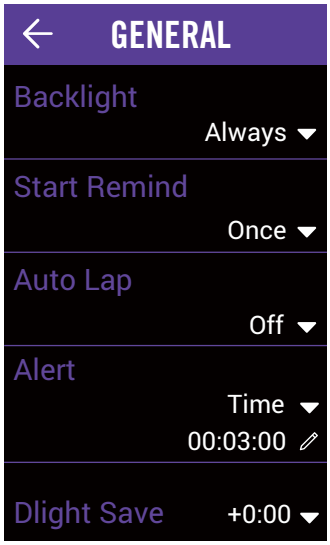
1. Select **Settings** in home page.
2. Select **General>Auto Lap**.
3. Select desired setting.
4. Select ✓ to confirm.

NOTE: If the GPS signal is not fixed, a “No GPS Signal. Searching for GPS, please wait” message will appear on the screen. Check if GPS is on and make sure you step outside to acquire signal.

Alert

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

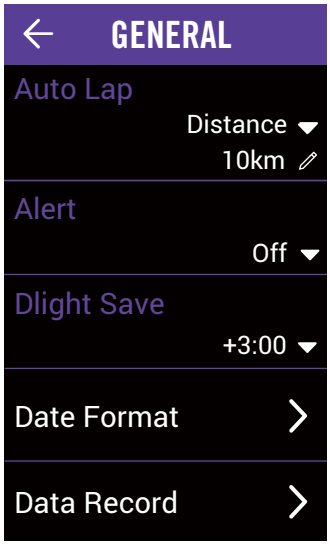
- your heart rate exceeds or drops below a specific number of beats per minutes (bpm).
- you exceed or drop below a custom speed setting during your ride.
- your cadence exceeds or drops below a specific number of revolutions of the crank arm per minute (rpm).
- you reach a certain amount of distance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



1. Select **Settings** in home page.
2. Select **General>Alert**.
3. Select **Time, Distance, Speed, Heart Rate** or **Cadence**.
4. Select ✓ to confirm.
5. Edit its range based on your goal.
6. Select ✓ to confirm.

Daylight Save

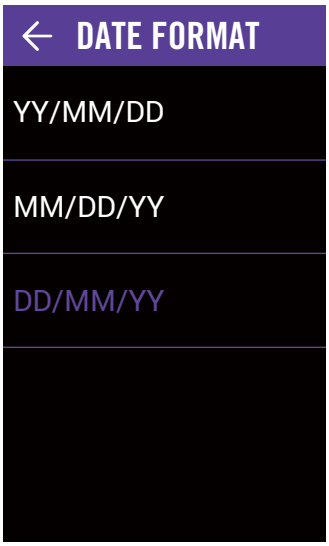
During daylight saving time, you are able to modify time to fit your time zone.



1. Select **Settings** in home page.
2. Select **General>Dlight Save**.
3. Select desired configuration.
4. Select ✓ to confirm.

Date Format

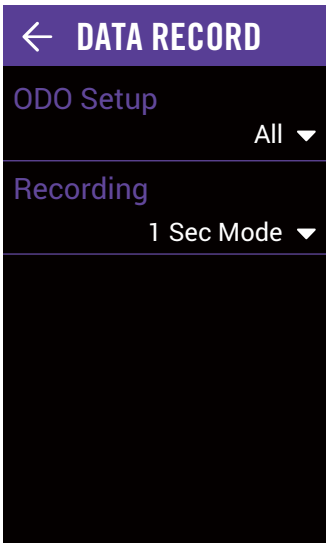
With the Data Format function, you are able to choose your desired date format.



1. Select **Settings** in home page.
2. Select **General>Data Format**.
3. Select **YY/MM/DD** or **MM/DD/YY** or **DD/MM/YY**.

Data Recording

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



1. Select **Settings** in home page.
2. Select **General>Data Record**.

ODO

1. Select **ODO Setup**.
2. Select **Recorded** or **All** and select to ✔ confirm.

Recording

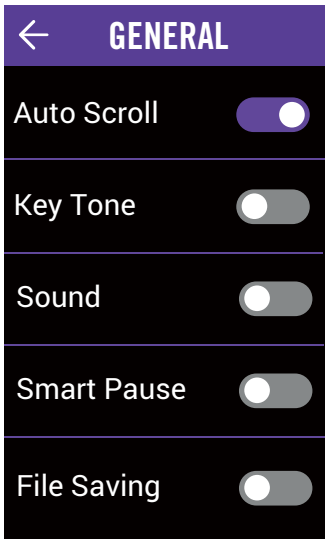
1. Select **Recording** .
2. Select **Smart Record** or **1 Sec Mode** and select ✔ to confirm.

NOTE:

- **All** means the odometer would show the cumulative distance of all trips; **Recorded** would only show the cumulative distance of recorded trip.
- If you would like to reset ODO, please refer to page 27: Reset ODO.

Auto Scroll

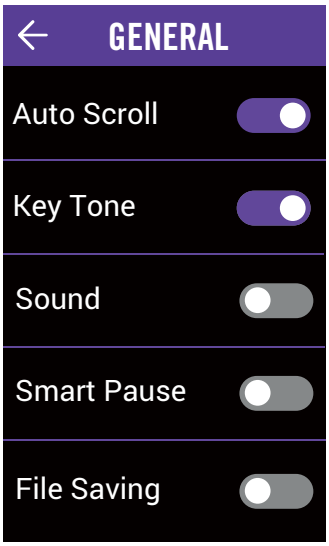
When the feature is enabled, the device will automatically switch pages at the preset time.



1. Select **Settings** in home page.
2. Select **General>Auto Scroll**.
3. Enable Auto Scroll.
4. Select **Scroll Interval** and select desired setting.
5. Select ✔ to confirm.

Key Tone

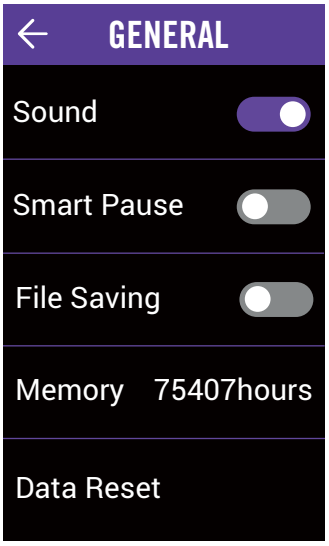
You can turn the key tone on and off.



1. Select **Settings** in home page.
2. Select **General>Key Tone**.
3. Enable or disable **Key Tone** to change the settings for key presses.

Sound

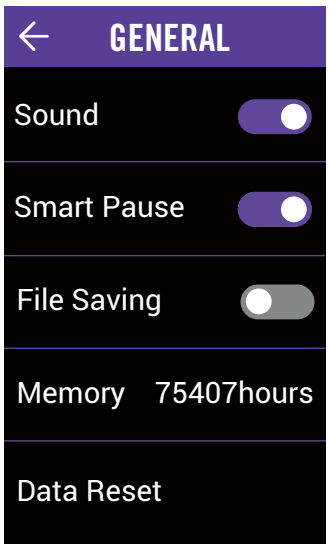
You can turn the alerts and notifications sound on and off.



1. Select **Settings** in home page.
2. Select **General>Sound**.
3. Enable or disable **Sound** to change the settings for alers and notifications.

Smart Pause

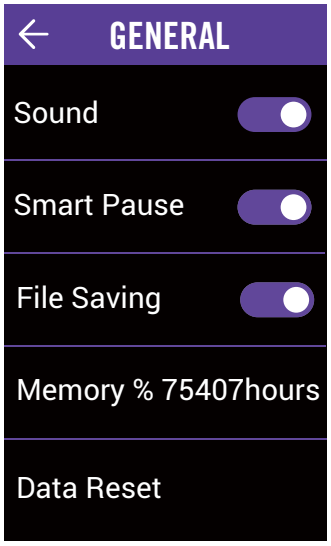
When you have a lot of obstacles along your route such as traffic lights, crosswalk, etc., this can really impact your recorded data. When the function is activated, the time and distance will automatically pause once you stop moving and resume once you start riding to enhance your data efficiency.



1. Select **Settings** in home page.
2. Select **General>Smart Pause**.
3. Enable or disable **Smart Pause**.

File Saving

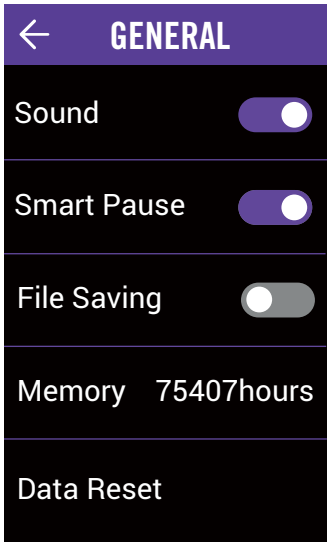
When the feature is enabled, the device will automatically overwrite from your oldest records when memory storage is full.



1. Select **Settings** in home page.
2. Select **General>File Saving**.
3. Enable or disable **File Saving**.

Memory

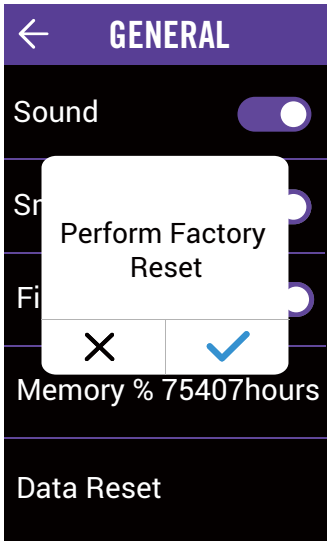
View the storage status of the device.



1. Select **Settings** in home page.
2. Select **General>Memory**.
3. You can veiw the current storage of the device.

Data Reset

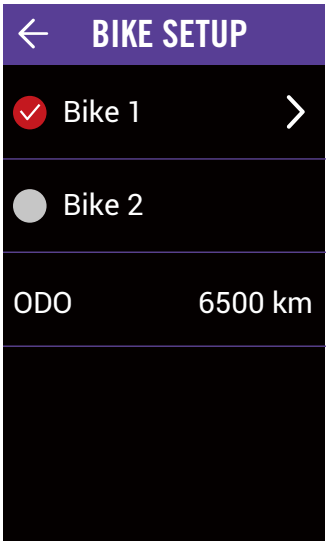
You can restore your device to factory settings.

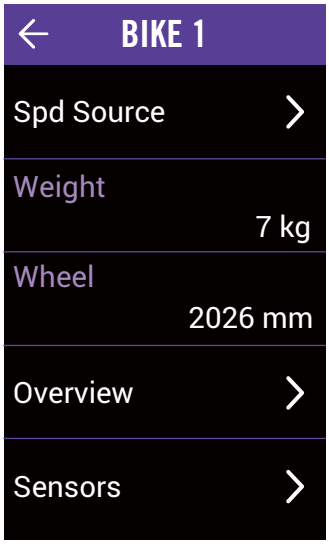


1. Select **Settings** in home page.
2. Select **General>Data Reset**.
3. **"Perform Factory Reset"** message pops up.
4. Select ✓ to confirm.

Bike Setup

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





1. Select **Settings** in home page.
2. Select **General>Bike Setup**.

Activate Bike

1. Select Bike 1 or Bike 2 to activate.

Edit Profile

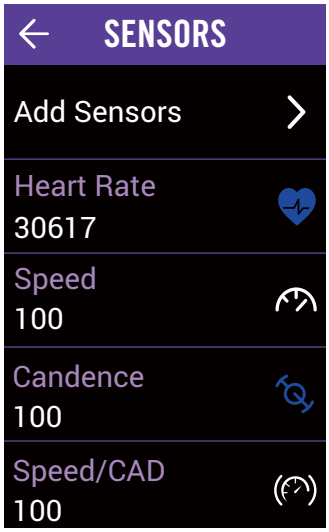
1. Select Bike 1 or Bike 2 to view or edit its profile.
   - Spd Source: set the priority of the speed sources.
   - Weight: set the bike weight.
   - Wheel: set the bike wheel size.

View Overview of the bike

1. Select **Overview** to view more details of the bike odometer.

Pair Sensors

1. Select **Sensors** to set up pairing.
2. Select **Heart Rate, Speed, Cadence, Speed/CAD, Power, Di2** or **E-Shifting**.
3. To pair sensors with your device, please have Bryton Smart Sensors installed first, and then wear heart rate sensor or rotate crank and wheel a few times to wake Bryton Smart Sensors up. To pair Di2 with your device, please make sure you have installed the Di2 D-Fly transmitter, and then press the shift lever to wake up Di2. To pair E-Shifting with your device, please press the shift lever to wake up E-tap or EPS.



4. Select the sensor you would like to pair.
5. Select ✔ to save.

Deactivated/Remove Sensors

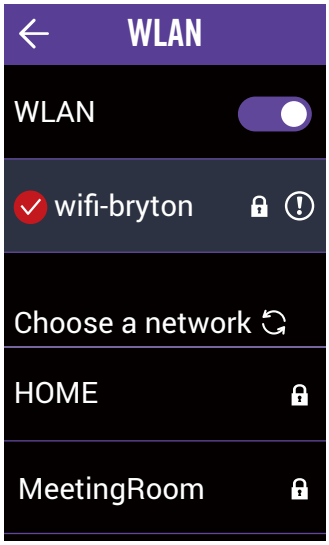
1. Enter Sensors menu.
2. Select the sensor you would like to check.
3. You can turn off the status to deactivate or select **Remove** to remove the sensor.

View/Reset ODO

1. Enter **Bike Setup** menu.
2. You can veiw the total odometer accumulated from 2 bikes.
3. You can reset the ODO by tapping the value and adjust it.

Wireless Local Area Network(WLAN)

Rider 860 supports WLAN. 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.



Set up a Network

1. Select **Settings** in home page.
2. Select **WLAN**.
3. Turn on **WLAN**.
4. Choose a network to connect to.
5. Enter password and select ✔.
6. ● appears mean that the device is successfully connected to the network.

Remove a Network

1. Select a connected network.
2. Select ✔. The **Remove** message pops up.
3. Select to remove.

Altitude

With connection to Internet, Rider 860 provides altitude information for you to calibrate directly. You can also change altitude manually.

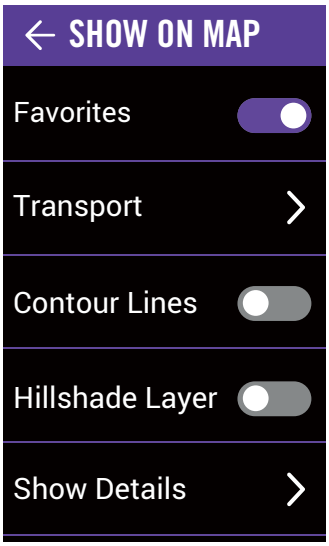
Calibrate Altitude

1. Select **Settings** in home page.
2. Select **Altitude**.
3. Select the value.
4. Enter the value.
5. Select **Calibrate**.

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

Show On Map

Rider 860 allows you to choose which information you would like to add to the map.



1. Select **Settings** in home page.
2. Select **Show On Map**.

Favorites

1. Turn on/off the display of favorite points.

Transport

1. Select **Transport**.
2. Select **Transport Stops/Bus, Trolly, Shuttle Routes/Tram and Train Routes/Subway Routes** to enable its information.

Contour Lines

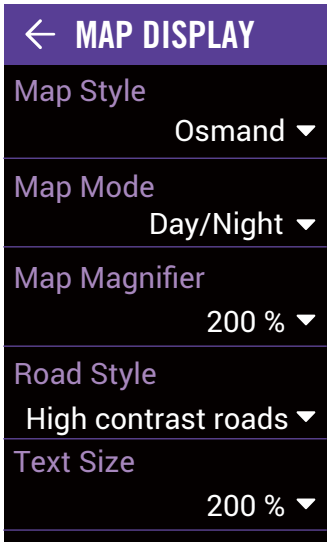
1. Turn on/off contour lines.

Hillshade Layer

1. Turn on/off hillshade layer.

Map Display

You can customize the appearance of the map.



1. Select **Settings** in home page.
2. Select **Map Display**.

Map Style

1. Select **Map Style** to select one style you prefer.

Map Mode

1. Select **Map Mode** to select **Day** or **Night** to suit for day or night veiw.

Map Magnifier

1. Select **Map Magnifier** to adjust the ratio of the map.

Road Style

1. Select **Road Style** to select the preferred road style.

Text Size

1. Select **Text Size** to select the preferred text size shown on the map.

Map Language

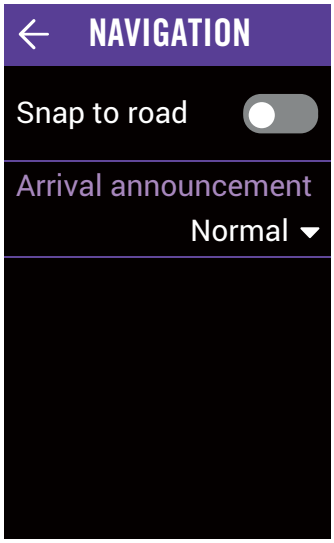
1. Select **Map Language** to select **English** or **Local Names**.

Routes

1. Select **Route** to turn on/off **Cycle Routes** or **MTB Routes**.

Navigation

Rider 860 allows you to set more advanced navigation setting.



1. Select **Settings** in home page.
2. Select **Navigation**.

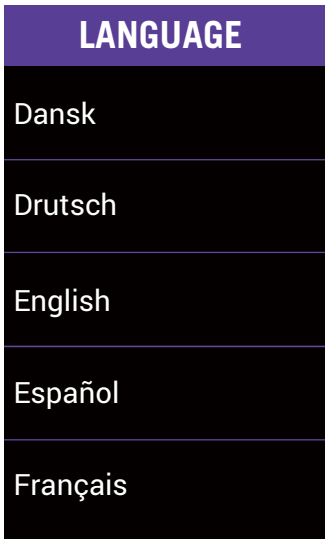
Snap to Road

1. Enable **Snap to Road** to make sure GPS track shows you are on the real road.

Arrival Notification

1. Select **Arrival Notification**.
2. Select notification timing.
3. Select ✓ to confirm.

Language



1. Select **Settings** in home page.
2. Select **Language**.
3. Select preferred display langauge.

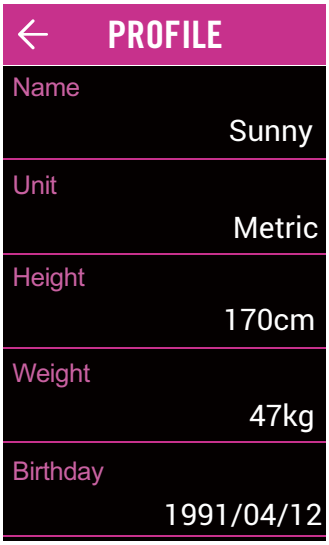
About

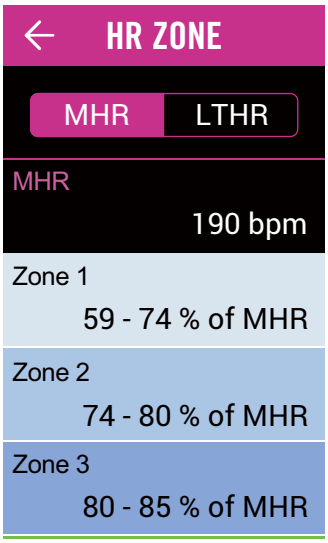
You can view your device current firmware version.

1. Select **Settings** in home page.
2. Select **About**.
3. You can view current device version.

Profile

In Profile, you can veiw and customize your personal profile. Log in with your Bryton Active account to sync data from Bryton Active App.





1. Select **Profile** in home page.
2. You can veiw and edit

Log In Bryton Active Account

1. Select **Log In**.
2. Enter **Email Address**.
3. Enter **Password**.
4. Select **Log In** to sync.

Customize Heart Rate Zone

1. Select **Heart Rate Zone**.
2. Select **MHR** or **LTHR** and edit the value.
3. Edit the range of Zone 1 to Zone 7.

Customize Power Zone

1. Select **Power Zone**.
2. Select **MAP** or **FTP** and edit the value.
3. Edit the range of Zone 1 to Zone 7.

Forget Password

1. Select **Log In**.
2. Select **Forget Password**.
3. Enter **Email Address**.
4. Select **Send.**
5. "**A password reset email has been sent to you**." message pops up. Select **OK**.
6. Go to your mailbox and click the link to reset your password in Reset password email will be sent by Bryton Corp.

Log Out

1. Scroll to the bottom of the page and select **Log Out**.

Bryton App Advanced Settings

After pairing your Rider 860 with Bryton Active App, you will have access to Notifications.

Notifications

After pairing your compatible smartphone using Bluetooth Smart wireless technology with Rider 860, you can receive phone calls, texts and email notifications on your Rider 860.

1. iOS Phone Pairing
   a. Go to Settings > General > Bluetooth to turn on Bluetooth on Rider 860.
   b. Go to your phone “Settings>Bluetooth” and enable Bluetooth.
   c. Go to Bryton Mobile App and tap “Settings>Device Manager>+”.
   d. Select and add your device by pressing “+”.
   e. Tap “Pair” to pair your device with your phone. (For iOS phone only)
   f. Tap “Finish” to complete pairing.

NOTE: If notifications do not work properly, in your phone, please go to “Settings>Notifications” and check if you have allowed notifications in compatible messaging and email apps or go to social applications settings.

1. Android Phone Pairing
   a. Go to Settings > General > Bluetooth to turn on Bluetooth on Rider 860.
   b. Go to your phone “Settings>Bluetooth” and enable Bluetooth.
   c. Go to Bryton Mobile App and tap “Settings>Device Manager>+”.
   e. Select and add your device by pressing “+”.
   f. Tap “Finish” to complete pairing.

2. Allow Notification Access
   a. Tap “Settings>Notification”.
   b. Tap “OK” to enter setting to allow Notification Access for Bryton app.
   c. Tap “Active” and select “OK” to allow notification access for Bryton.
   d. Go back to Notification settings.
   e. Select and enable In-coming Calls, Text Messages and Emails by tapping each item.

Appendix

Specification

Rider 860

Item	Description
Display	2.8” Transflective Color TFT LCD Capacitive Touch Screen
Physical Size	100x58x24 mm
Weight	128g
Operating Temperature	-10°C ~ 50°C
Battery Charging Temperature	0°C ~ 40°C
Battery	Li-polymer rechargeable battery
Battery Life	16 hours with open sky
ANT+™	Featuring certified wireless ANT+™ connectivity. Visit www.thisisant.com/directory for compatible products. 
GNSS	Integrated high-sensitivity GNSS receiver with embedded antenna
BLE Smart	Bluetooth smart wireless technology with embedded antenna
Water Resistant	Water resistant to a depth of 1 meter for up to 30 minutes
Barometer	Equipped with barometer
Wireless Local Area Network	IEEE 802.11 b/g/n; 2.4GHz band 8dBm

Smart Speed Sensor (Optional)

Item	Description
Physical Size	36.9 x 34.8 x 8.1 mm
Weight	6 g
Water Resistance	Incidental exposure to water of up to 1meter for up to 30mins
Transmission Range	3 m
Battery Life	Up to 1 year
Operating Temperature	-10°C ~ 60°C
Radio Frequency/protocol	2.4GHz / Bluetooth 4.0 and Dynastream ANT+ Sport wireless communications protocol

NOTE:
Accuracy may be degraded by poor sensor contact, electrical, magnectic interference and distance from the transmitter. To avoid magnetic interference, it is recommended that you change location, clean or replace chain.

Smart Cadence Sensor (Optional)

Item	Description
Physical Size	36.9 x 31.6 x 8.1 mm
Weight	6 g
Water Resistance	Incidental exposure to water of up to 1 meter for up to 30 minutes
Transimission Range	3 m
Battery Life	Up to 1 year
Operating Temperature	-10°C ~ 60°C
Radio Frequency/protocol	2.4GHz / Bluetooth 4.0 and Dynastream ANT+ Sport wireless communications protocol

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

Smart Heart Rate Monitor (Optional)

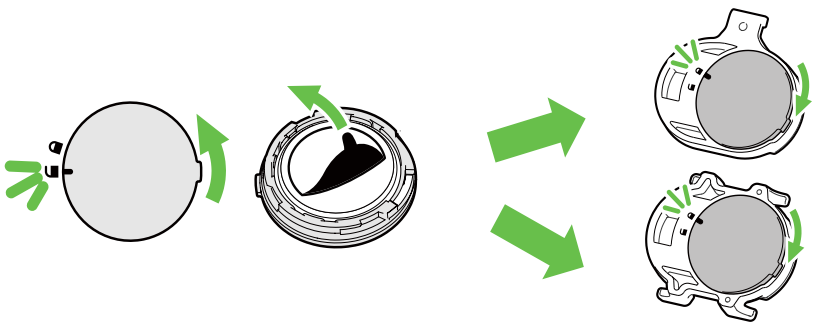
Item	Description
Physical Size	63 x 34,3 x 15 mm.
Weight	14,5 g (sensor) / 31,5 g (correa)
Water Resistance	Incidental exposure to water of up to 1 meter for up to 30 minutes
Transimission Range	3 m
Battery Life	Up to 2 years
Operating Temperature	0°C ~ 50°C
Radio Frequency/ protocol	2.4GHz / Bluetooth 4.0 and Dynastream ANT+ Sport wireless communications protocol

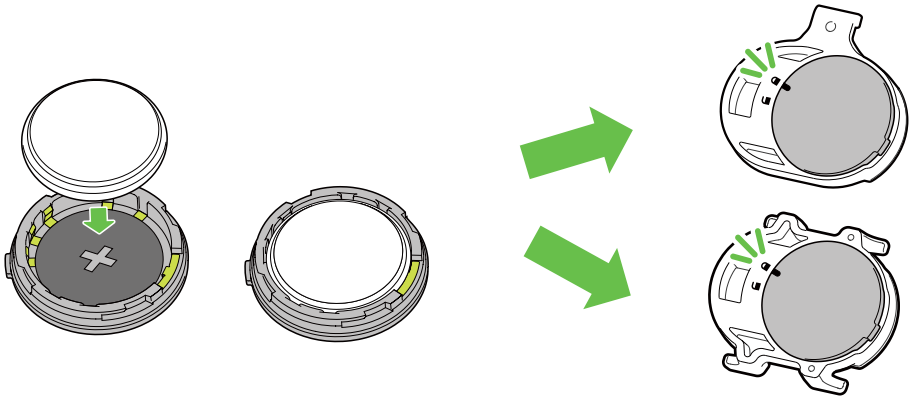
Battery Information

Smart Speed Sensor and Smart Cadence Sensor

Both sensors contain a user-replaceable CR2032 battery.
Before using sensors:

1. Locate the circular battery cover on the back of sensors.
2. Use your finger to press and twist cover counter-clockwise so the indicator on the cover points to unlock icon ( ).
3. Remove the cover and battery tab.
4. Use your finger to press and twist cover clockwise so the indicator on the cover points to locked icon ( ).





To replace the battery:

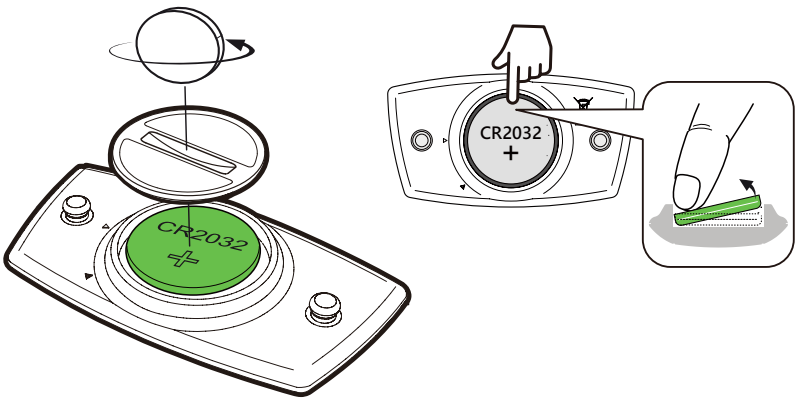
1. Locate the circular battery cover on the back of sensors.
2. Use your finger to press and twist cover counter-clockwise so the indicator on the cover points to unlock icon ( ).
3. Remove the battery and insert new battery with positive connector first into the battery chamber.
4. Use your finger to press and twist cover clockwise so the indicator on the cover points to locked icon ( ).

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 O-ring gasket on the cover.
- Contact your local waste disposal department to properly dispose of used batteries.

Smart Heart Rate Monitor

The heart rate monitor contains a user-replaceable CR2032 battery.
To replace the battery:

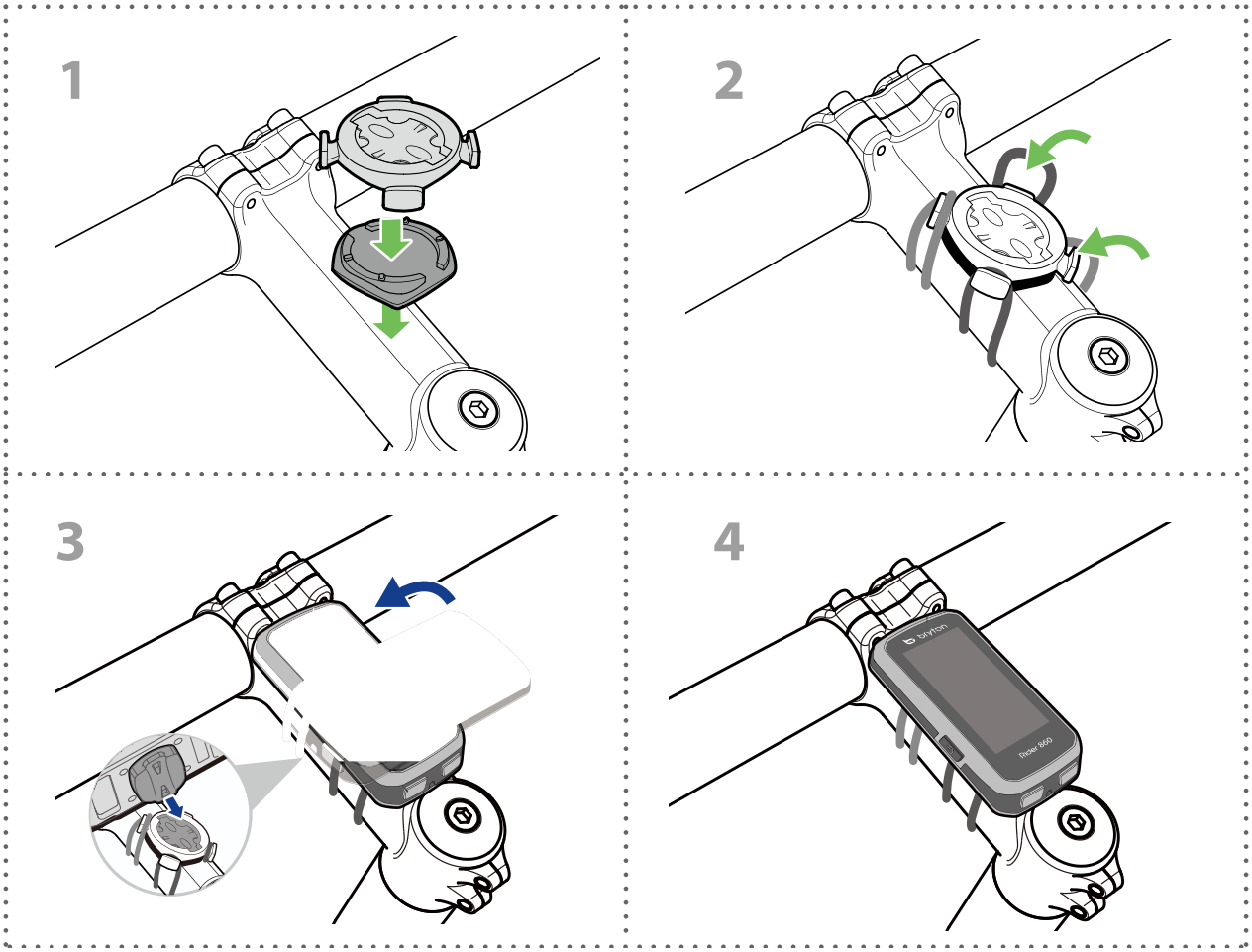
1. Locate the circular battery cover on the back of the heart rate monitor.
2. Use a coin to twist the cover counter-clockwise.
3. Remove the cover and battery.
4. Insert the new battery, with the positive connector facing upward and lightly press it.
5. Use a coin to twist the cover clockwise.



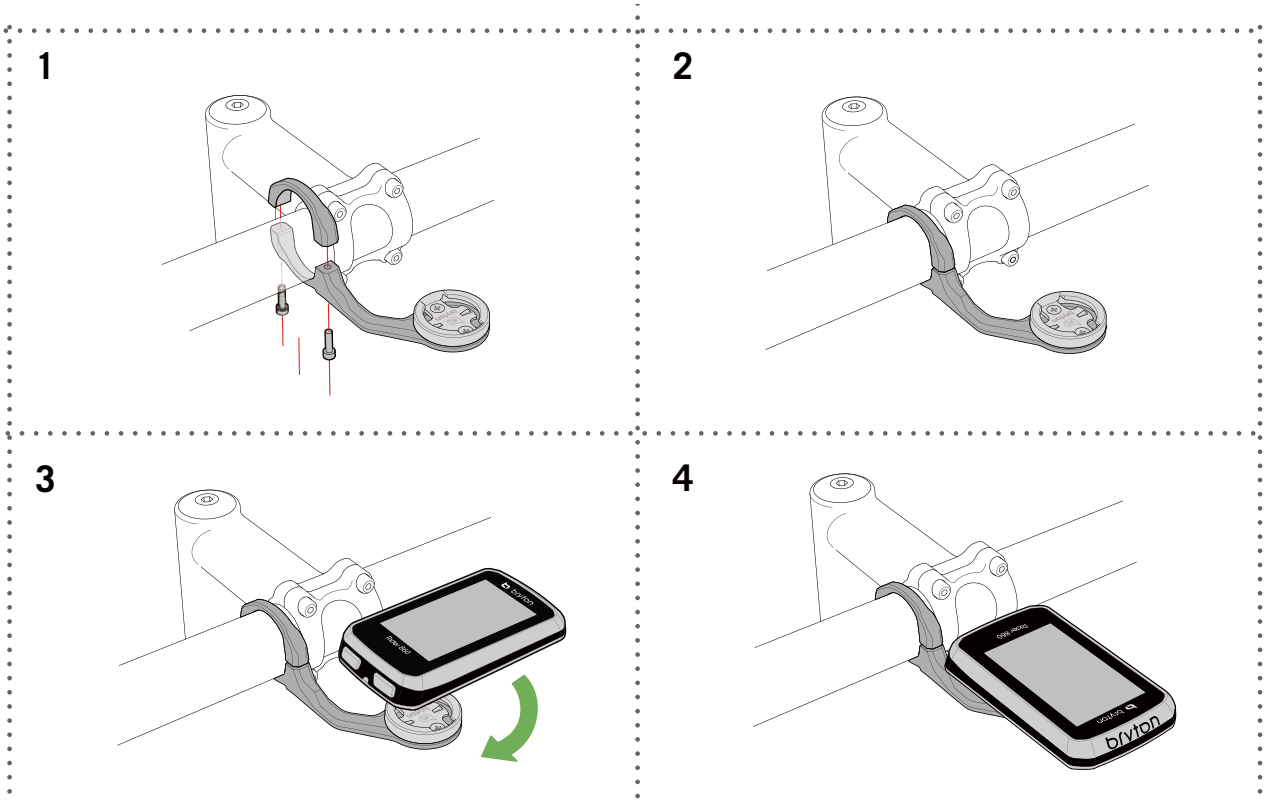
NOTE:
- Be careful not to damage or lose the O-ring gasket.
- Contact your local waste disposal department to properly dispose of of used batteries.

Install Rider 860

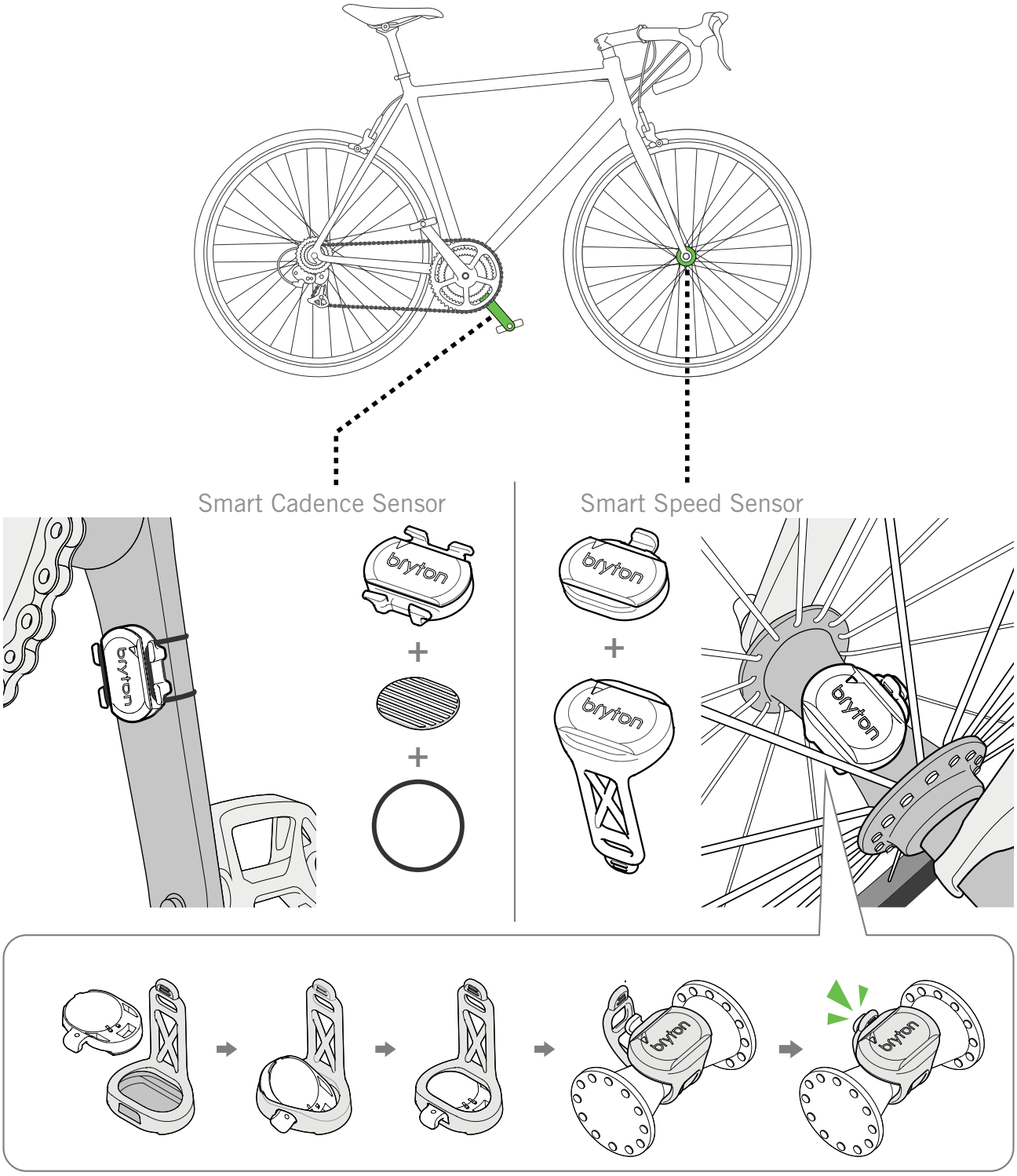
Use Bike Mount to Mount Rider



Use F-Mount to Mount Rider (Optional)



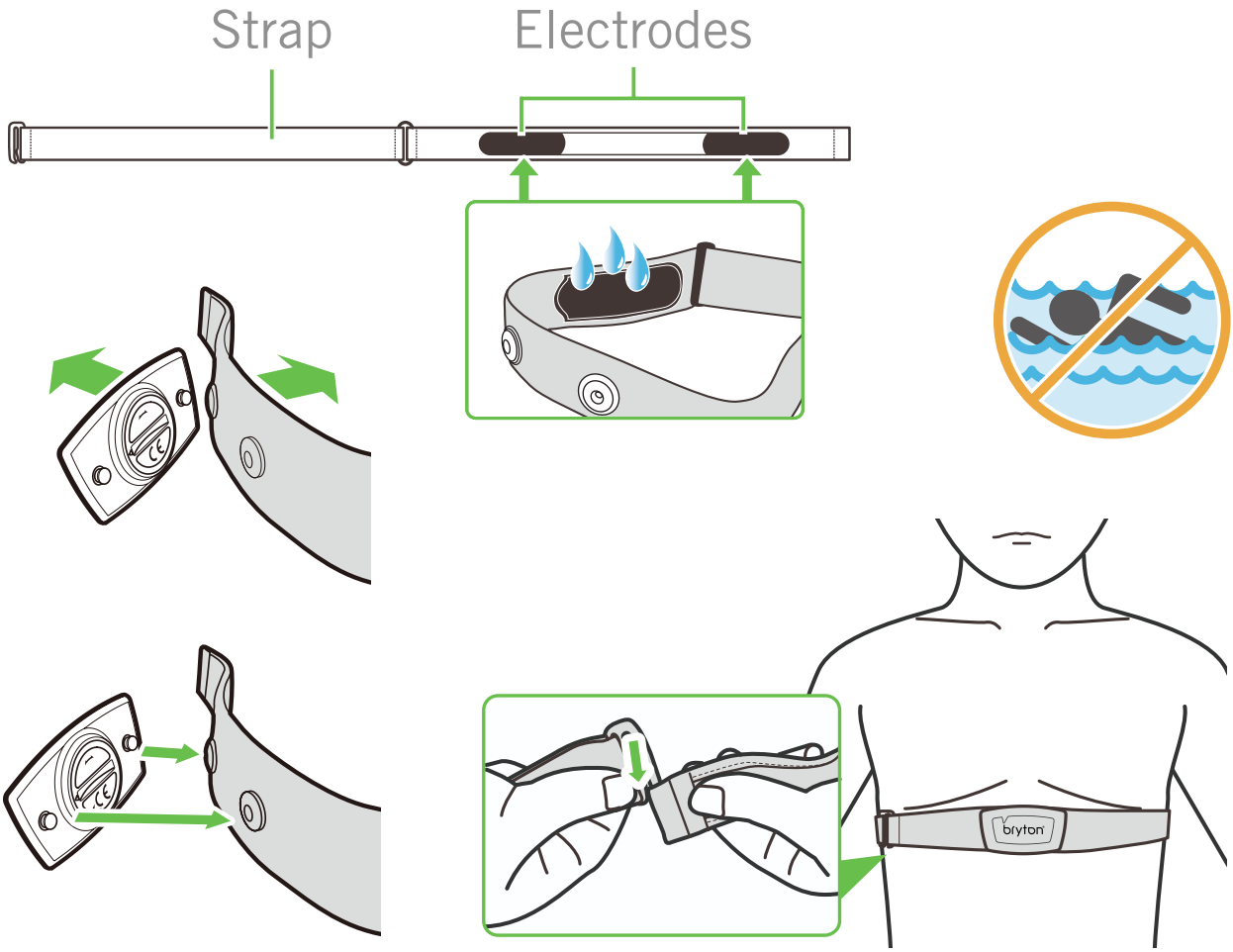
Install the Speed/Cadence Sensor (Optional)



NOTE:

- Once sensors are waken, the LED blinks twice. The LED continues to blink when you continue to pedal for pairing. After around 15 times blink, it stops blinking. If not used for 10 minutes, sensor would go into sleep mode to preserve power. Please complete the pairing during the time the sensor is awake.

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 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.

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.

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
16 x 1-1/8	1290
16 x 1-3/8	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
24 x 1 (520)	1753
Tubular 24 x 3/4	1785
24x1-1/8	1795
24x1-1/4	1905
26 x 1 (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 26 x7/8	1920
650x20C	1938
650x23C	1944
650 x 25C 26 x1 (571)	1952
650x38A	2125
650x38B	2105
27 x 1 (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
700xl8C	2070
700xl9C	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 860

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 modification to your device. Any attempt to do so will make the warranty invalid.

Data Field

Category	Data Field	Description of Data Fields
Energy	Calorie	The number of total calories burned.
	Kilojoules	The accumulated power output in kilojoules for the current activity.
Altitude	Altitude	The height of your current location above or below sea level.
	Max Altitude	The highest height of your current location above or below sea level which the rider achieved for the current activity.
	Alt. Gain	The total altitude distance gained during this current activity.
	Alt. Loss	The total altitude lost during this current activity.
	Gradient	The calculation of altitude over distance.
	Uphill	The total distance traveled while ascending.
	Downhill	The total distance traveled while descending.
Distance	Distance	The distance travelled for current activity.
	Odometer	The accumulated total distance until you reset it.
	LapDistance	The distance traveled for the current lap.
	LLapDist.	The distance traveled for the last finished lap.
	Trip 1/Trip 2	Cumulative mileage recorded before you reset it. They are 2 separate trip measurements. You are free to use Trip 1 or Trip 2 to record,for example, weekly total distance and use another to record, for example, monthly total distance.
Speed	Speed	The current rate of change in distance.
	Avg Speed	The average speed for current activity.
	Max Speed	The maximum speed for current activity.
	LapAvgSpd	The average speed for the current lap.
	LapMaxSpd	The maximum speed for the current lap.
	LLapAvgSpd	The average speed for the last finished lap.
Time	Time	Current GPS Time.
	Ride Time	The time spent on riding for current activity.
	Trip Time	Total time spent for current activity.
	Sunrise	The time of sunrise based on your GPS location.
	Sunset	The time of sunset based on your GPS location.
	LapTime	The stopwatch time for the current lap.
	LLapTime	The stopwatch time for the last finished lap.
	Lap Count	The number of laps finished for the current activity.

Category	Data Field	Description of Data Fields
Cadence	Cadence	The number of total calories burned.
	Avg CAD	The accumulated power output in kilojoules for the current activity.
	Max CAD	The maximum cadence for current activity.
	LapAvgCad	The average cadence for the current lap.
	LLapAvCad	The average cadence for the last finished lap.
HR	Heart Rate	The number of times your heart beats per minute. It requires compatible HR sensor pairing connection to your device.
	Avg HR	The average heart rate for current activity.
	Max HR	The maximum heart rate for current activity.
	MHR %	Your current heart rate divided by Maximum Heart Rate. MHR means that the maximum number of beats made by your heart in 1 minute of effort. (MHR is different from Max HR. You will need to set MHR in User Profile)
	LTHR%	Your current heart rate divided by Lactate Threshold Heart Rate. LTHR means that the average heart rate while in the intense exercise at which the blood concentration of lactate begins to exponentially increase. (You will need to set LTHR in User Profile)
	MHR Zone	The current range of your Maximum Heart Rate Pecentage heart rate (Zone 1 to Zone 75).
	LTHR Zone	The current range of your Lactate Threshold Heart Rate Percentage (Zone 1 to Zone 7).
	LapAvgHR	The average heart rate for the current lap.
	LLapAvgHR	The average heart rate for the last finished lap.
	Lap MHR%	The average of MHR% for the current lap.
	Lap LTHR%	The average of LTHR% for the current lap.
Temp	Temp.	The current temperature.
Power	Power	Current Power in Watt.
	Avg Power	The average power for the current activity.
	Max Power	The maximum power for the current activity.
	LapAvgPw	The average power for the current lap.
	LapMaxPw	The maximum power for the current lap.
	3s power	3 seconds average of power
	10s power	10 seconds average of power
	30s power	30 seconds average of power
	NP (Normalized Power)	An estimate of the power that you could have maintained for the same physiological “cost” if your power had been perfectly constant, such as on an ergometer, instead of variable power output.

Category	Data Field	Description of Data Fields
Power	TSS (Training Stress Score)	Training Stress Score is calculated by taking into account both the intensity such as IF and the duration of the ride. A way of measuring how much stress is put on the body from a ride.
	IF (Intensity Factor)	Intensity Factor is the ratio of the normalized power(NP) to your Functional Threshold Power(FTP). An indication of how hard or difficult a ride was in relation to your overall fitness.
	SP (Specific Power)	Power-to-weight ratio
	FTP Zone	The current range of your Functional Threshold Power Percentage (Zone1 to Zone 7).
	MAP Zone	The current range of your Maximum Aerobic Power Pecentage (Zone 1 to Zone 7).
	MAP%	The current power divided by your Maximum Aerobic Power.
	FTP%	The current power divided by your functional threshold power.
	Lap NP	Normalized power of the current lap
	LLapAvgPw	The average power output for the last finished lap.
	LlapMaxPw	The maximum power for the last finished lap.
Pedal Analysis	CurPB-LR	The current left/right power balance.
	AvgPB-LR	The average left/right power balance for the current activity.
	CurTE-LR	The current left/right percentage of how efficiently a rider is pedaling.
	MaxTE-LR	The maximum left/right percentage of how efficiently a rider is pedaling.
	AvgTE-LR	The average left/right percentage of how efficiently a rider is pedaling.
	CurPS-LR	The current left/right percentage of how evenly a rider is applying force to the pedals throughout each pedal stroke.
	MaxPS-LR	The maximum left/right percentage of how evenly a rider is applying force to the pedals throughout each pedal stroke.
	AvgPS-LR	The average left/right percentage of how evenly a rider is applying force to the pedals throughout each pedal stroke.
Electronic Gear-Shifting Systems	Di2 Battery	The remaining battery power of the Di2 system
	Front Gear	The gear position of the front derailleur displayed by the graphic.
	Rear Gear	The gear position of the rear derailleur displayed by the graphic.
	Gear Ratio	The ratio of the current teeth of the front gear to that of the rear gear.
	Gears	The front and rear bike gears position displayed by numbers.
	Gear Combo	The current gear combination of the front gear and the rear gear.

CE

RF Exposure Information (MPE)

This device meets the EU requirements and the International Commission on Non-Ionizing Radiation Protection (ICNIRP) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. To comply with the RF exposure requirements, this equipment must be operated in a minimum of 20 cm separation distance to the user.

Hereby, Bryton Inc. declares that the radio equipment type Bryton product is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

http://www.brytonsport.com/download/Docs/CeDocs_Rider860.pdf

bryton®

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