Table of Contents

⚠️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.

Product Registration

Help us better support you by completing your device registration using Bryton Update Tool. Go to http://support.brytonsport.com for more information.

Bryton Software

Go to http://brytonsport.com to download free software to upload your personal profile, tracks and analyze your data on the web.

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 100.

Your Rider 100
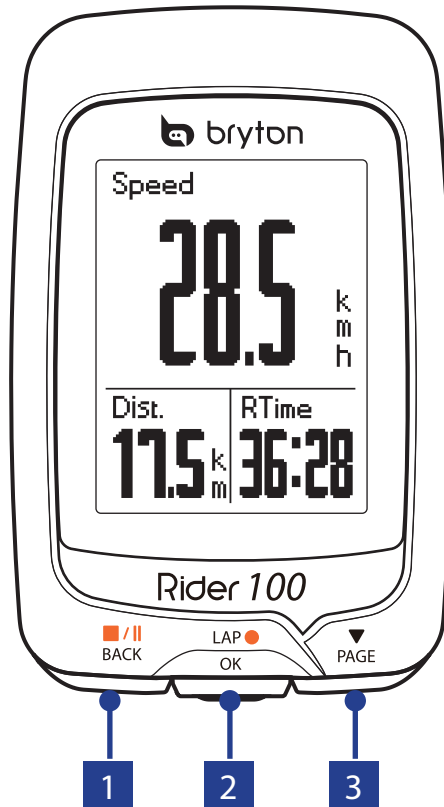
1 BACK (■/‖ BACK)

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

2 LAP/OK (LAP● OK)

- Press and hold to turn the device on/off.
- In Menu, press to enter or confirm a selection.
- In free cycling, press to start recording.
- When recording, press to mark the lap.

3 PAGE (▼ PAGE)

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

Accessories

The Rider 100 comes with the following accessories:

- USB cable
- Bike mount

Optional items:

- Heart rate belt
- Speed sensor
- Cadence sensor
- Speed/Cadence Dual sensor
- Out-front Bike Mount

Status Icons

Icon	Description
Bike Type	
1 🚲	Bike 1
2 🚲	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

NOTE: Only the active icons are displayed on the screen.

![bryton logo]

Step 1: Charge your Rider 100

Connect Rider 100 to a PC to charge the battery for at least 3 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.
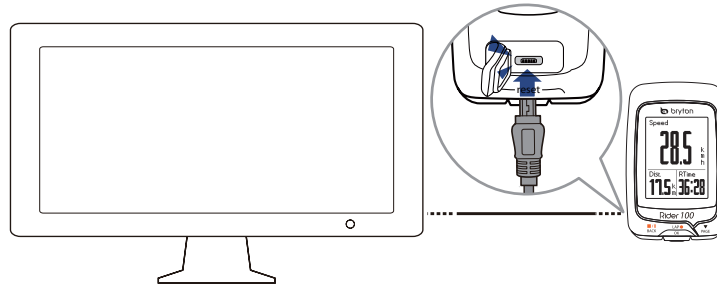
Step 2: Turn On Rider 100

Press and hold $\overset{\text{LAP}}{\underset{\text{OK}}{}}$● to turn on the device.

Step 3: Initial Setup

When turning Rider 100 on for the first time, the setup wizard appears on screen. Follow the
instructions to complete setup.
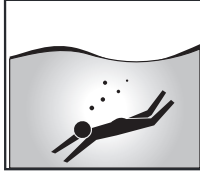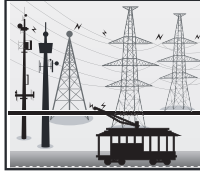
1. Select the display language.

2. Read and accept the Safety Agreement.

Step 4: Acquire Satellite Signals

Once the Rider 100 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 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

Step 5: Ride Your Bike with Rider 100

• **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 /BACK to pause, press /BACK again to stop.

Reset Rider 100

To reset the Rider 100, long press all three keys (/BACK / ᴸᴬᴾ/OK / ▼PAGE) 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 Brytonsport.com

1. Sign up/log in on Brytonsport.com

a. Go to http://www.brytonsport.com/help/start.

b. Register a new account or use your current Bryton account to log in.

NOTE: Bryton account is the email address used to register as a member of brytonsport.com.

2. Connect to PC

Turn on your Rider 100 and connect it to your computer by using USB cable.

3. Share Your Records

a. Go to http://www.brytonsport.com/help/landing. Click " Upload Files" button. Then, click " Select from Files".

b. Choose to save as "History". Then, click "Select and Upload file".

c. Select FIT files fom Bryton folder in the device.

bryton

Settings

With the Settings feature, you can customize display settings, sensor settings, system settings, bike and user profiles, GPS setup, and view device information.

Settings
Exercises
General
Sensors
Profile
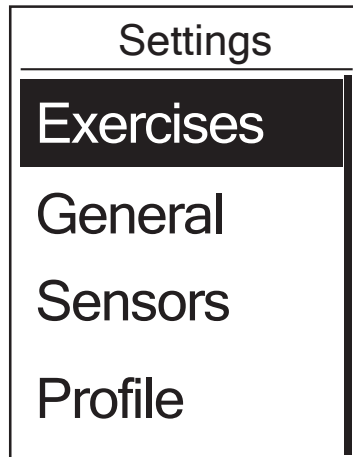
1. In the main screen, press ▼PAGE to select **Settings**.

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
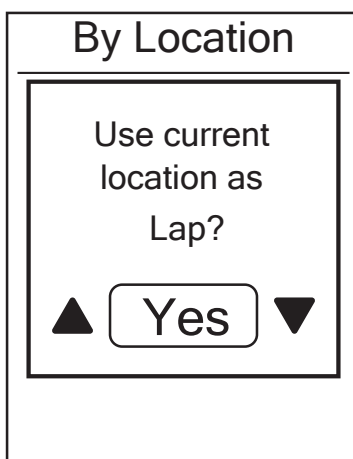
By Location
Use current location as Lap?
▲ Yes ▼

1. In the Settings menu, press ▼PAGE to select **Exercises > Smart Lap** and press LAP●OK.

2. Press LAP●OK to edit the setting.

3. A "Use current location as Lap ? " message appears on the screen. To save the data, press ▼PAGE to select **Yes** and press LAP●OK to confirm.

4. Press ■/‖BACK 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
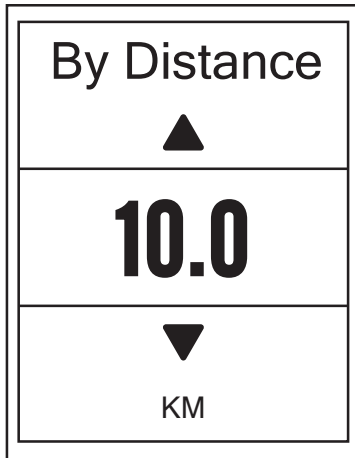
By Distance
▲
10.0
▼
KM

1. In the Settings menu, press ▼PAGE to select **Exercises> Smart Lap** and press LAP●OK.

2. Press LAP●OK to edit the setting.

3. Press ■/‖BACK / ▼PAGE to select your desired distance and press LAP●OK to confirm.

4. Press ■/‖BACK to exit this menu.

Data Page

You can set the data page setting for the Meter, Lap, and Auto Switch. You can also set the Auto Switch interval setting.

Meter Display

Data Page

Current
Time

Current Speed | Total Distance

Ride Time

Current Time

Trip Time
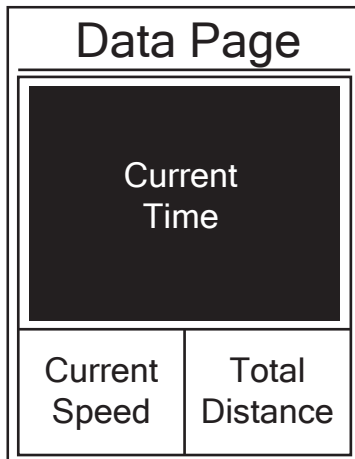
3-grid display
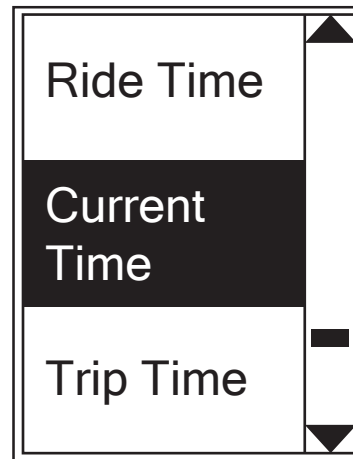
Item selection

1. In the Settings menu, press ▼PAGE to select **Exercises> Data Page > Data Page1**, **Data Page 2**, or **Data Page 3** and press LAP●OK.

2. Press ■/‖BACK / ▼PAGE to select the number of data fields and press LAP●OK to confirm.

3. Press ▼PAGE to select the item field that you want to customize, and press LAP●OK to confirm the selection.

4. Press ■/‖BACK/▼PAGE to select the desired setting and press LAP●OK to confirm.

5. Press ■/‖BACK to exit this menu.

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

Speed
36.5 km/h
Dist.
19.2 km
2-grid display

Speed
28.5 km/h
Dist. | RTime
17.5 km | 36:28
3-grid display

Lap Display

Cycle Lap
Data Page 1
On
Data Page 2
On

1. In the Settings menu, press ▼PAGE to select **Exercises > Data Page> Lap > Data Page1** or **Data Page 2** and press LAP●OK.

2. Press ■/‖BACK/▼PAGE to select the number of data fields and press LAP●OK to confirm.

3. Press ▼PAGE to select the item field that you want to customize, and press LAP●OK to confirm the selection.

4. Press ■/‖BACK/▼PAGE to select the desired setting and press LAP●OK to confirm.

5. Press ■/‖BACK to exit this menu.

Auto Scroll

```
        Auto Scroll
┌─────────────────────────┐
│ Auto Scroll             │
│                         │
│                  On     │
│ Interval                │
│                         │
│                 5 sec   │
│                         │
│                         │
└─────────────────────────┘
```

1. In the Settings menu, press ▼PAGE to select **General > Auto scroll** and press LAP● OK .

2. Press ▼PAGE to select the setting that you want to change and press LAP● OK to enter its submenu.

   • Auto scroll: enable/disable the auto switch.
   • Interval: set the interval time.

3. Press ■/‖ BACK / ▼PAGE to adjust the desired setting and press LAP● OK to confirm.

4. Press ■/‖ BACK to exit this menu.

Sensors

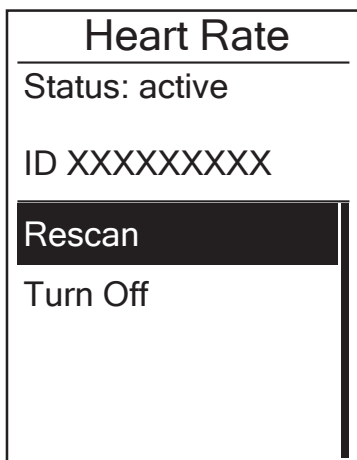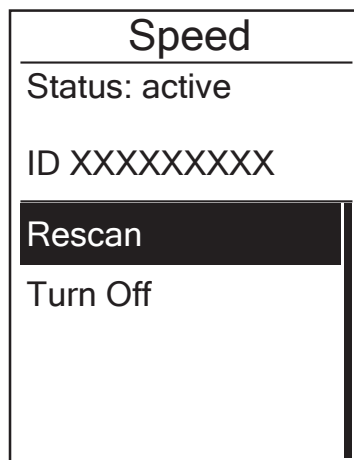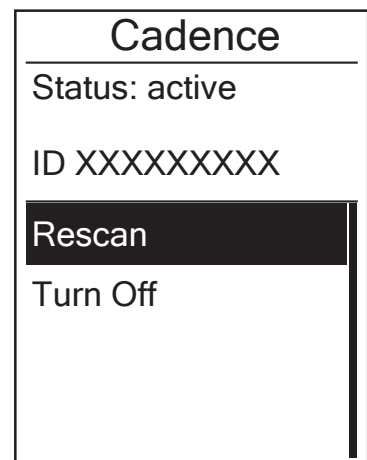You can customize the respective sensor settings such as enable/disable the function or rescan the sensor for the device.
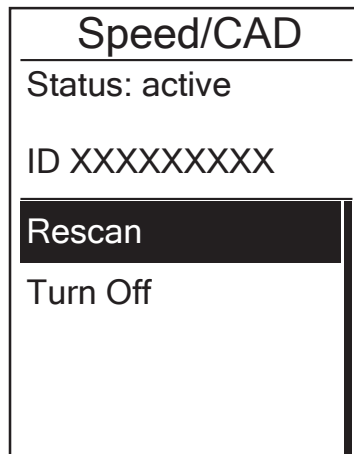
```
        Heart Rate                  Speed                    Cadence
┌──────────────────┐      ┌──────────────────┐      ┌──────────────────┐
│ Status: active   │      │ Status: active   │      │ Status: active   │
│                  │      │                  │      │                  │
│ ID XXXXXXXXX     │      │ ID XXXXXXXXX     │      │ ID XXXXXXXXX     │
│                  │      │                  │      │                  │
│ Rescan           │      │ Rescan           │      │ Rescan           │
│ Turn Off         │      │ Turn Off         │      │ Turn Off         │
│                  │      │                  │      │                  │
└──────────────────┘      └──────────────────┘      └──────────────────┘
     Heart Rate                  Speed                    Cadence
```

```
        Speed/CAD
┌──────────────────┐
│ Status: active   │
│                  │
│ ID XXXXXXXXX     │
│                  │
│ Rescan           │
│ Turn Off         │
│                  │
└──────────────────┘
    Speed/Cadence
```

1. In the Settings menu, press $_{PAGE}^{\blacktriangledown}$ to select **Sensors > Heart Rate**, **Speed**, **Cadence**, or **Speed/CAD** and press $_{OK}^{LAP\bullet}$.

2. Press $_{OK}^{LAP\bullet}$ to have more options. Press $_{PAGE}^{\blacktriangledown}$ to select the desired setting and press $_{OK}^{LAP\bullet}$ to confirm.

    -   Rescan: rescan to detect the sensor.
    -   Turn on/Turn off: enable/disable the sensor.

3. Press $_{BACK}^{\blacksquare/\parallel}$ 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 and the heart rate belt, please make sure there is no other cadence/speed sensor within 5 m. When the cadence sensor is paired, the ⌾ cadence sensor icon appears on the main screen.
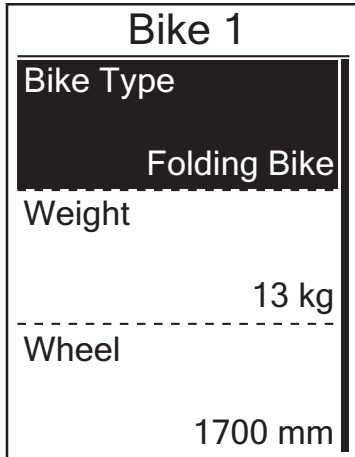
Personalize User Profile

You can change your personal information.

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

1. In the Settings menu, press ▼_{PAGE} to select **Profile** and press _{OK}^{LAP●}.

2. Press ▼_{PAGE} to select the setting that you want to change and press _{OK}^{LAP●} 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.

3. Press ■/‖_{BACK} / ▼_{PAGE} to adjust the desired setting and press _{OK}^{LAP●} to confirm.

4. Press ■/‖_{BACK} to exit this menu.

Personalize Bike Profile

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

```
          Bike 1
  Bike Type

            Folding Bike
  Weight

                  13 kg
  - - - - - - - - - - - -
  Wheel

              1700 mm
```

1. In the Settings menu, press ▼PAGE to select **Profile>Bike Profile> Bike 1** or **Bike 2** and press LAP●OK.

2. Press ▼PAGE to select the setting that you want to change and press LAP●OK to enter its submenu.

   · Bike Type: select the bike type.
   · Weight: set the bike weight.
   · Wheel: set the bike wheel size.
   · Activate: select to activate the bike.

3. Press ■/‖BACK / ▼PAGE to adjust the desired setting and press LAP●OK to confirm.

4. Press ■/‖BACK to exit this menu.

NOTE: For details on wheel size, see "Wheel Size and Circumference" on page 31.

View Bike Profile

```
          Bike 1
  ODO

              1033 km
  Ride Time

              89:23:28
  - - - - - - - - - - - -
  Alt. Gain

              1700 mm
```
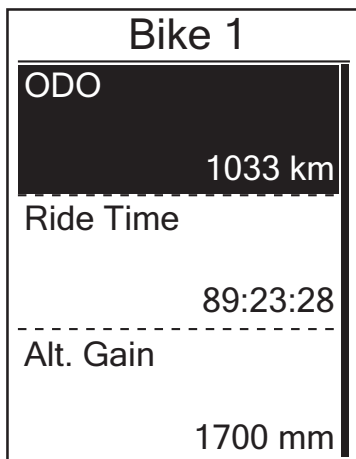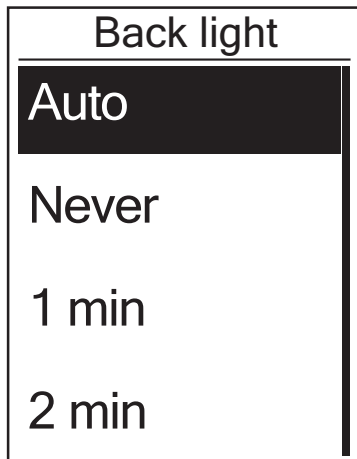
1. In the Settings menu, press ▼PAGE to select **Profile>Bike Profile > Overview** and press LAP●OK.

2. Press ▼PAGE to select the desired bike and press LAP●OK to confirm.

3. Press ▼PAGE to view more data of the selected bike.

4. Press ■/‖BACK to exit this menu.

![bryton logo]

Change System Settings

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

Backlight Off

Back light
Auto
Never
1 min
2 min

1. In the Settings menu, press ▼PAGE to select **General > System > Backlight Off** and press LAP●OK.
2. Press ■/‖BACK / ▼PAGE to select the desired setting and press LAP●OK to confirm.
3. Press ■/‖BACK to exit this menu.

Key Tone
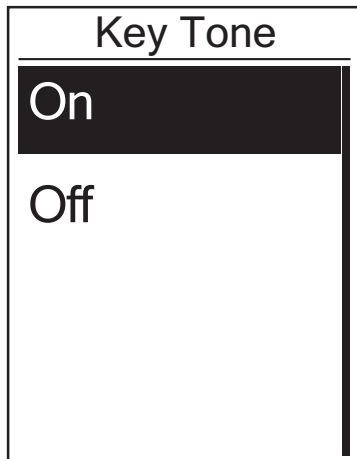
Key Tone
On
Off

1. In the Settings menu, press ▼PAGE to select **General > System> Key Tone** and press LAP●OK .
2. Press ■/‖BACK / ▼PAGE to select the desired setting and press LAP●OK to confirm.
3. Press ■/‖BACK to exit this menu.

Sound

Sound
On
Off

1. In the Settings menu, press ▾PAGE to select **General > System > Sound** and press LAP● OK.
2. Press ■/‖ BACK / ▾PAGE to select the desired setting and press LAP● OK to confirm.
3. Press ■/‖ BACK to exit this menu.

Time/Unit

Dlight Save
+0:00
+1:00

Daylight Save

Date Format
mmddyyyy
yyyymmdd
ddmmyyyy

Date format

Time Format
12hr
24hr

Time format

Unit
KM,KG
MI,LB

Unit

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

Language

Language
English
Deutsch
Français

1. In the Settings menu, press ▼_{PAGE} to select **General** > **System** > **Language** and press ^{LAP●}_{OK} .

2. Press ■/‖_{BACK} / ▼_{PAGE} to select the desired setting and press ^{LAP●}_{OK} to confirm.

3. Press ■/‖_{BACK} to exit this menu.

View GPS Status

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

GPS
Off
Full Power
PowerSave
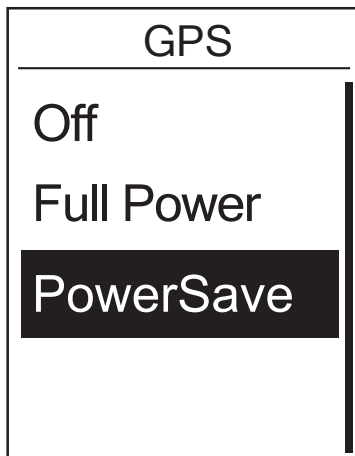
1. In the Settings menu, press ▼_{PAGE} to select **General** > **GPS** and press ^{LAP●}_{OK} .

2. To set the signal search mode, press ^{LAP●}_{OK} to confirm.

3. Press ■/‖_{BACK} / ▼_{PAGE} to select the desired setting and press ^{LAP●}_{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 ▼_{PAGE} to select **General > About**.

2. Press ^{LAP●}_{OK} to confirm.

   The current software version is displayed on the screen.

3. Press ■/‖_{BACK} to exit this menu.

Appendix

Specifications

Rider 100

Item	Description
Display	1.6 FSTN positive transflective LCD
Physical Size	39.6 x 58.9 x 17 mm
Weight	40g
Operating Temperature	-10℃ ~ 50℃
Battery Charging Temperature	0℃ ~ 40℃
Battery	Li polymer rechargeable battery
Battery Life	17 hours with open sky
RF Transceiver	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

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℃ ~ 60℃
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.
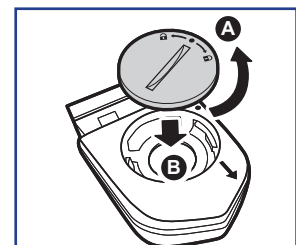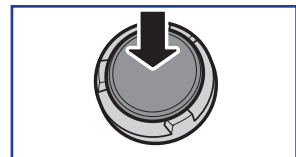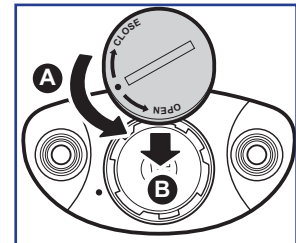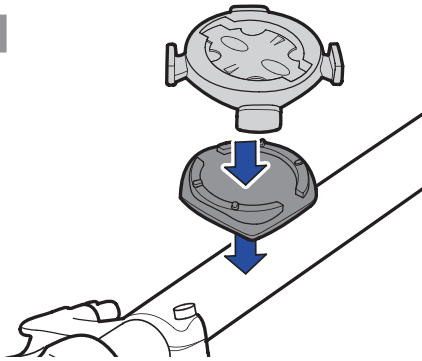
NOTE:
• When installing a new battery, if the battery is not placed with the positive connector first, the positive connector will easily deform and malfunction.
• Be careful not to damage or lose the O-ring gasket on the cover.
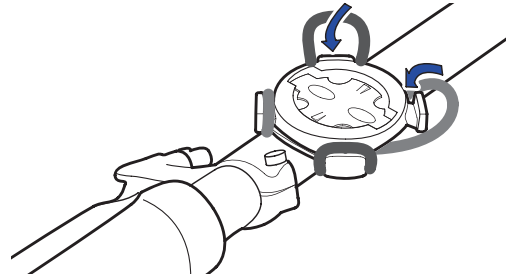• Contact your local waste disposal department to properly dispose of used batteries.

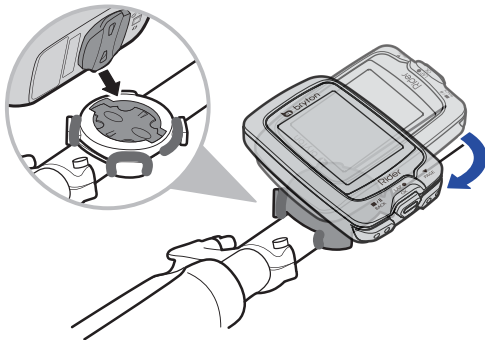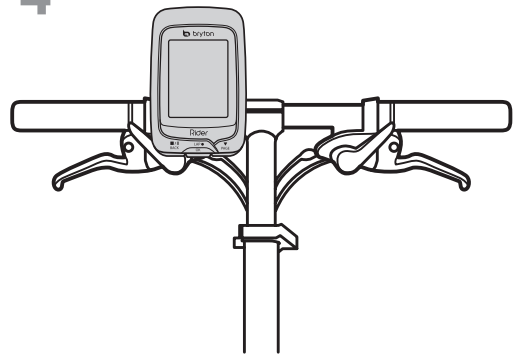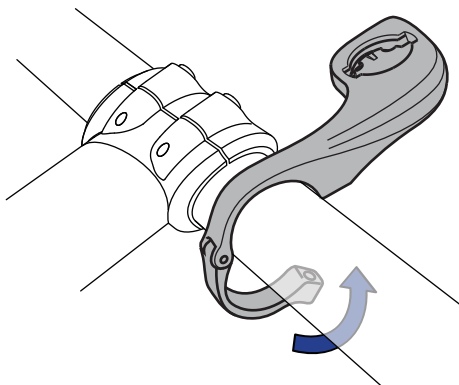# Install Rider 100

Mount Rider 100 to the Bike