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The GPS SATCOUNT counter is ideal for cyclists concerned with their performance (distance, length of training, altitude, gradients, etc.), and who want a device with GPS navigation technology. The guided routes are programmed via the Internet, or are rides already completed and recorded in the SATCOUNT. All along the route, you can mark important locations (camp sites, monuments, car parks, etc.).

SATCOUNT+ has an ANT+ receiver to connect to a speed and cadence sensor and to a heart rate belt (accessories sold separately).

You can analyse your performance and your rides on a PC or MAC via MyGéonaute on the ON connect app [http://my.geonaute.com](http://my.geonaute.com).

<table>
<thead>
<tr>
<th>SATCOUNT</th>
<th>SATCOUNT +</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Battery" /></td>
<td><img src="image" alt="Battery" /></td>
</tr>
<tr>
<td><img src="image" alt="Start-Stop/Pause" /></td>
<td><img src="image" alt="Start-Stop/Pause" /></td>
</tr>
<tr>
<td><img src="image" alt="Backlighting" /></td>
<td><img src="image" alt="Backlighting" /></td>
</tr>
<tr>
<td><img src="image" alt="Scroll up/Increase" /></td>
<td><img src="image" alt="Scroll up/Increase" /></td>
</tr>
<tr>
<td><img src="image" alt="Next screen/Confirm" /></td>
<td><img src="image" alt="Next screen/Confirm" /></td>
</tr>
<tr>
<td><img src="image" alt="Down/Reduce" /></td>
<td><img src="image" alt="Down/Reduce" /></td>
</tr>
<tr>
<td><img src="image" alt="USB connection" /></td>
<td><img src="image" alt="USB connection" /></td>
</tr>
<tr>
<td><img src="image" alt="Accessing the menu" /></td>
<td><img src="image" alt="Accessing the menu" /></td>
</tr>
</tbody>
</table>

*accessories sold separately*
1.1 Setting the device for the first time

- Setting the language
- Setting the time format
- Setting the hour
- Setting the minutes
- Setting the date
- Setting the sex
- Setting the age
- Setting the height
- Setting the weight

Congratulations, you are now ready to use your account.

Continue
1.2 General settings

Adjustment method for each setting:

Scroll

1.2.1 Setting the time

12/24 hour format Hour Minutes

1.2.2 Setting the alerts (ringer when leaving the zones)

Choose On or Off then confirm

Return to the general settings screen

Return to the general settings screen
1.2.3 Setting the brightness (sequential/permanent)

Choose the mode then confirm

Return to the general settings screen

1.3 User settings

Use the vertical arrows to scroll down through the menu.
Use the right arrow to select a setting in a menu.
Use the left arrow to return to the main menu.

1.4 Activating the sensors

Connecting the sensors to the SATCOUNT+

These accessories can only be used with the SATCOUNT+ model.

To install, see the instructions for each accessory.

<table>
<thead>
<tr>
<th><strong>Cadence Sensor</strong></th>
<th>With this sensor you can see your pedalling frequency, expressed in revolutions per minute (RPM).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speed sensor</strong></td>
<td>With this sensor you can see the speed for the entire session, as well as the average and maximum speeds for an indoor session.</td>
</tr>
<tr>
<td><strong>Heart Rate Belt</strong></td>
<td>With this belt you can see your heart rate during training.</td>
</tr>
</tbody>
</table>
Activate the accessories that you want to use in Mode or in the Settings Menu:

If a question mark (?) appears after searching for the sensors, this means that the connection failed. Check the installation of the sensors and start again.
1.5 Setting the altimeter

This setting is only available on the SATCOUNT+.

You can manually adjust the altitude calculated by the GPS.

Warning this value can vary depending on the weather conditions.

Set then return to the menu.

1.6 Activating and setting targets

This setting is only available on the SATCOUNT+.

1.6.1 Cardio

This device is designed for sport and recreational use. It is not a medical monitoring device. The information about this device or in this booklet are indicative only and must only be used for monitoring a pathology after consulting your doctor and obtaining his/her approval. Likewise, if you are in good health, keep in mind that determining the maximum heart rate and personal training zones are key elements in developing an effective and safe training program.

We recommend seeking the advice of your doctor or health care professional to set your maximum heart rate, your upper and lower hear rate limits and the frequency and duration of exercise appropriate for your age, physical condition level and desired results.

Finally, due to possible interference caused by radio transmission, we do not recommend using a heart rate monitor with this type of technology if you have a pace maker. Failure to comply with these precautions can be life threatening.

The only purpose of the values that you set (minimum and maximum) is to trigger a sound/visual alert for the zone set.
1.6.2 Cadence

Set the minimum cadence then confirm.
Set the maximum cadence then confirm.

1.7 Customising the display

You can choose different information for the 6 display lines on the SATCOUNT and the SATCOUNT +.

Use the vertical arrows to go from one line to the next and the right arrow to select an item from the list.

calories
average speed
maximum speed
distance travelled
total distance
distance
sunrise/sunset
time
stopwatch
altitude
total+
total-
asc/dsc speed
*cadence (average/max/instant)
*heart rate (average/max/instant)

*accessories sold separately

1.8 Battery level display
1.9 Restoring the default settings

This will restore all settings to the default values. Continue OK!

Prompt for confirmation

2 USING THE DEVICE

2.1 Getting started

2.1.1 Installing the SATCOUNT on a bike

Installation on the stem

Installation on the handlebar
2.1.2 Turning the device on and accessing the modes

The different Modes:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ride Mode</strong></td>
<td>In Ride Mode, you see the route, the altitude, the curve of the gradients covered, the length of the session, see p. 12.</td>
</tr>
<tr>
<td><strong>Navigation Mode</strong></td>
<td>In Navigation Mode, as well as all the features in Ride Mode, the device leads you along a programmed route, see p. 13.</td>
</tr>
<tr>
<td><strong>Challenge Mode</strong></td>
<td>In Challenge Mode, as well as all the features in Ride Mode, you can try to beat your records for the various routes, see p. 14.</td>
</tr>
<tr>
<td><strong>Indoor Mode</strong></td>
<td>In Indoor Mode, you can measure your performance: distance travelled, speed, length of training. If you have a pedalling cadence sensor and a heart rate belt (accessories sold separately), you can measure your pedalling cadence and your heart rate, see p. 16.</td>
</tr>
<tr>
<td><strong>Logbook</strong></td>
<td>Summary of all the sessions, see p. 21.</td>
</tr>
<tr>
<td><strong>Settings</strong></td>
<td>Setting your personal parameters, see p. 3.</td>
</tr>
</tbody>
</table>
2.1.3 Connecting the sensors to the SATCOUNT+

These accessories can only be used with the SATCOUNT+ model.

To install, see the instructions for each accessory.

**Cadence Sensor**  
With this sensor you can see your pedalling frequency, expressed in revolutions per minute (RPM).

**Speed sensor**  
With this sensor you can see the speed for the entire session, as well as the average and maximum speeds for an indoor session.

**Heart Rate Belt**  
With this belt you can see your heart rate during training.

Activate the accessories that you want to use in Mode or in the Settings Menu:

- Set the size of the wheel
- Turn the wheel and the pedal
- Turn your wheel and pedal
- Set the size of the wheel
2.2 Ride Mode

In Ride Mode, you can see the route, the altitude, the curve of the gradients covered, the length of the session. You can see the distance travelled, your speed and your heart rate, if you have the relevant accessories.

- **Speed**
- **Distance travelled**
- **Stopwatch**
- **Maximum speed for the session**
- **Image of the map**
- **Image of the gradient covered and the current altitude**

If a ? appears after searching for the sensors, this means that the connection failed. Check the installation of the sensors and start again.

If the SATELLITE is not detected, see p. 25.
2.3 Navigation Mode (only works outdoors)

In Navigation Mode, the device leads you on a programmed route. You can see the route, the altitude, the curve of the gradients covered and ahead, the length of the session.

Select a route and confirm

If the SATCOUNT is not detected, see p. 25

Let's go to the starting line

Follow the directions

You reached the starting line

Guiding finished

Back home (see p. 17)

Directions to follow

(If sensors activated)

Image of your position on the route

Image of the gradient covered and ahead

Values
2.4 Challenge Mode

In Challenge Mode, you try to beat your records for the routes already completed. You can see the route, the altitude, the curve of the gradients covered, the length of the session.

Best performance on the selected route

If the SATCOUNT is not detected, see p. 25

Manually set your performance for the selected route

Let's go to the starting line

Follow the directions

You reached the starting line

Follow the directions
Directions to follow
(If sensors activated)
Image of your position on the map
Image of the gradient
Performance

Performance checkpoints during the Challenge:
Check 2/3
Checkpoint number

You are behind
You are in the lead

The route is divided into 3 segments of equal length.
Along the route, a pop-up appears after each segment.

End of the Challenge:
Guiding finished

Your record

Duration of your route
Average speed for your route

Back home (see p. 17)
2.5 Indoor training (SATCOUNT+)

In Indoor Mode, depending on the sensors used and/or activated (sold separately), (see p. 5), you can measure your performance: distance travelled, speed, length of training, and you can see your heart rate. When the sensors are not activated, you have just the stopwatch.

Without sensors activated:

With sensors activated:

- Speed
- Distance travelled
- Stopwatch
- Maximum speed for the session
2.6 Mark a spot

You can mark a spot on the map when you are in Ride, Navigation, Challenge and Go Back Home Modes, by pressing the Menu key.

You can mark a spot when you are in Ride, Navigation, Challenge and Go Back Home Modes, by pressing the Menu key.

<table>
<thead>
<tr>
<th>Type of spot:</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="camp.png" alt="Camp site" /></td>
</tr>
</tbody>
</table>

2.7 Go Back Home

You can choose the Go Back Home option while in Ride, Navigation and Challenge Modes, by pressing the Menu key.

- "Go Back Home" is automatically suggested at the end of a programmed route in Navigation or Challenge Mode.

- If you are less than one kilometre [about 2/3 of a mile] from your starting point, this option will not be suggested.
2.8 Description of the route

At any time, you can zoom in on your route using the Up/Down keys.

Map scale

Zoom level

Press for a few seconds to bring up the scale you can use to zoom in on the map

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🏡</td>
<td>Home</td>
</tr>
<tr>
<td>⏪</td>
<td>Starting line</td>
</tr>
<tr>
<td>⏅</td>
<td>Finishing line</td>
</tr>
<tr>
<td>✿</td>
<td>Your location</td>
</tr>
<tr>
<td>⚖️</td>
<td>The location of the Challenge to beat</td>
</tr>
<tr>
<td>🗺️</td>
<td>Programmed route</td>
</tr>
<tr>
<td>🔝</td>
<td>Route taken</td>
</tr>
<tr>
<td>🎮</td>
<td>Cannot find location</td>
</tr>
</tbody>
</table>
2.9 Pause/Stop/Save

2.9.1 Pause

2.9.2 Turning the device off

2.9.3 End the session, save then shut down
2.9.4 Stop, save, then continue a session

2.9.5 Stop then continue a session without saving
3 LOGBOOK

3.1 Session logbook

3.1.1 See a session

Select a saved session and confirm

Shows the total time

Shows the distance travelled

Shows the average speed

Shows the maximum speed

Shows the average cadence

Shows the average heart rate

Shows the fastest heart rate

Shows calories burned

Total up hill gradients

Total down hill gradients
3.1.2 Creating a route and a challenge, deleting a session
3.2 Navigation logbook

3.2.1 See navigation

- Select a saved or downloaded route and confirm.
- Shows the distance travelled.

3.2.2 Delete navigation

- Select a saved or downloaded route and confirm.
- Deleting route.
- Return to the route list.
3.3 Challenge logbook

3.3.1 See a challenge

Select a saved or downloaded route and confirm.

Shows the time taken.

Shows the distance travelled.

Shows the average speed.

3.3.2 Delete a challenge

Select a saved or downloaded route and confirm.

Return to the route list.
4 POP-UP MESSAGES AND ACTIONS

4.1 GPS lost and connection to the sensors lost

Each time the GPS loses the signal and when a sensor loses its connection, a pop-up window appears on the screen to indicate the problem.

**ACTIONS**

Go away from buildings or surrounding trees until the satellite signal is detected.

Check the installation and the battery of your heart rate belt.

Check the installation and the battery of your cadence sensor.

Check the installation and the battery of your speed sensor.
4.2 Battery level

This window appears when 20% of the battery power remains. The same pop-up appears when 10% and 5% remain. The window stays until the user presses a key to hide it.

**ACTION**
Recharge the battery.
► see p. 27.

4.3 Memory full

This window appears when the user saves a session. It is displayed when the memory is 90% full.

**ACTION**
You can restore memory by deleting sessions in the logbook.
► see p. 22.

4.4 Navigation

This window appears when the user is going the wrong way. It appears at minute intervals until the user changes direction.

This window appears when the user has deviated from the programmed route by more than 50 metres.
5 CHARGING THE BATTERY

SATCOUNT

Type of connection: USB/mini USB.

6 SAVING YOUR PERFORMANCE ON-LINE

SATCOUNT

Type of connection: USB/mini USB.

Analysing performance and downloading the software:

• Click on: http://my.geonaute.com/home and create an account.
• Download the ON CONNECT software.
## Technical Characteristics

<table>
<thead>
<tr>
<th>Specifications</th>
<th>SATCOUNT</th>
<th>SATCOUNT +</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device dimensions (WxLxD)</td>
<td>50.39 x 90.81 x 22.23 mm</td>
<td></td>
</tr>
<tr>
<td>Screen size (W x L)</td>
<td>32 x 42 mm</td>
<td></td>
</tr>
<tr>
<td>Screen resolution</td>
<td>96 x 128 pixels</td>
<td></td>
</tr>
<tr>
<td>Backlit LCD</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>76g</td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td>rechargeable lithium ion</td>
<td></td>
</tr>
<tr>
<td>Battery life</td>
<td>up to 16 hours</td>
<td></td>
</tr>
<tr>
<td>Water resistant</td>
<td>yes (IPX7)</td>
<td></td>
</tr>
<tr>
<td>GPS</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>High-sensitivity receiver</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Buzzer</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>USB port</td>
<td>Micro USB</td>
<td></td>
</tr>
<tr>
<td>ANT + transmitter-receiver</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory capacity</td>
<td>6 Mb</td>
<td></td>
</tr>
<tr>
<td>Characteristics and benefits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heart rate monitor</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Bike speed and cadence sensors</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Barometric altimeter</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Digital compass</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>PC/MAC software (Web service)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Challenge</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Navigation (by route)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Calculates calories burned according to heart rate</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Customisable screen</td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>
B’twin guarantees to the initial purchaser of this product that it is free from material or manufacturing defects. This product is guaranteed for two years from the date of purchase. Please ensure that you keep the invoice as proof of purchase.

The guarantee does not cover:

• damage resulting from misuse, from a failure to respect the precautions for use, from accidents, from improper maintenance or from commercial use of the product.
• damage resulting from repairs carried out by persons not authorised by B’twin.
• batteries or casings which are cracked or broken or which show signs of impacts.

During the warranty period, the item will either be repaired free of charge by an authorised repair service or replaced free of charge (depending on the distributor).
The 'crossed-out dustbin' symbol indicates that this product and the batteries it contains cannot be disposed of with household waste. They are subject to specific sorting. The product and batteries must be recycled at a collection point at end of life. Recycling your electronic waste protects the environment and your health.

This device is compliant with Section 15 of FCC rules. Its operation is subject to the following two conditions:
- 1 This device is not likely to produce harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, in accordance with Section 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the device and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the retailer or an experienced radio/television technician.

Warning:
Any changes or modifications not expressly approved by Décathlon could void the user’s authority to use the equipment.

CONTACT US

We would like to hear your feedback on the quality, features and use of our products at: www.btwin.com
We will reply as soon as possible.

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59665 Villeneuve d'Ascq cedex – France