GIANT

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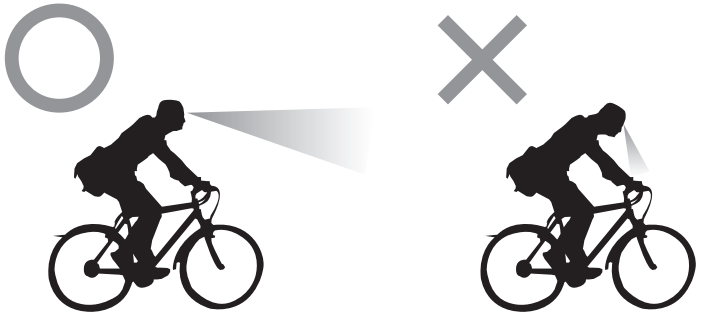
neos

DIGITAL WIRELESS COMPUTER
USER'S MANUAL

- English -

Content



Introduction

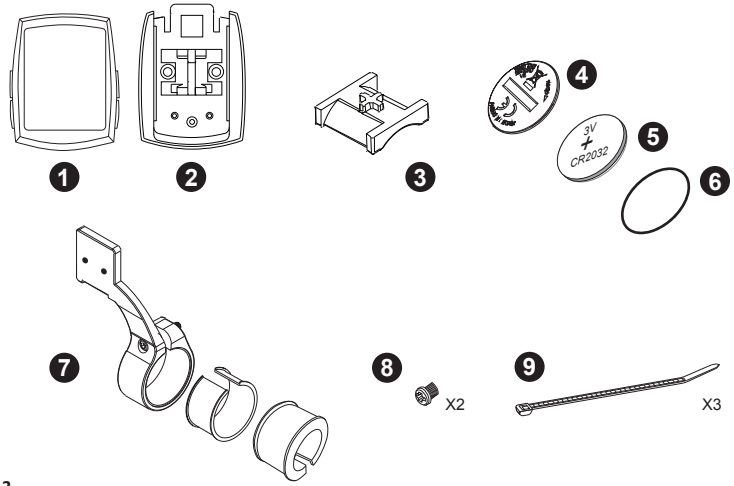
Thanks for purchasing a Giant Neos computer, it is an ANT+ digital multi-function computer. It is compatible with all ANT+ sport transmission devices, including Giant RideSense which is integrated in selected Giant bikes.

For your own safety, please do not stare at the computer screen while riding, it may cause a dangerous situation during the ride.

With digital ANT+ sport transmission, you can get the information from digital speed/cadence sensor and digital heart rate belt. Please make sure you pair these sensors before you start riding.

If you have any questions regarding this product, please visit our website at www.giant-bicycle.com or contact your local dealer. Enjoy the ride!

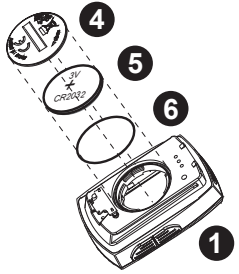
Unit / Parts

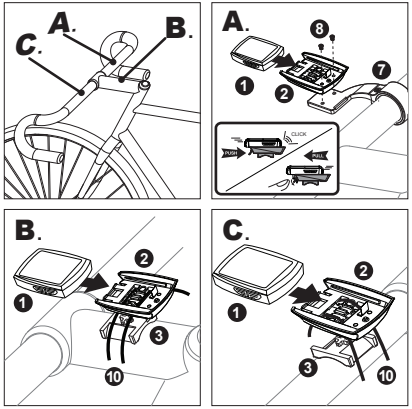


Unit / Parts

Neos computer package contains 1 unit and 8 parts.

1. Computer Unit
2. Base Mount
3. Rubber Pad
4. Battery Cap
5. CR2032 Battery
6. O-ring
7. Extended Mount + 2 x C-clamp pads (for ø31.8 and 29.7mm handle bar)
8. 2 x Screws for Extended Mount
9. Zip Tides x 3

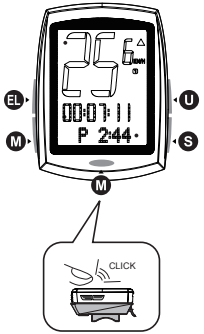


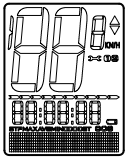


Installation

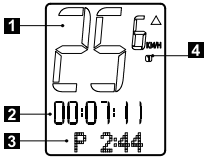
To install the battery, use a coin to open and close the battery cap.

Computer can be mounted in 3 different positions: (A) Extended Mount (B) Stem (C) Handle Bar.





All Segments



GENERAL OPERATION / DISPLAY

There are 4 main keys on the computer unit.

EL key: Manual key for backlight

M key: Operates the Mode functions, it also can be pressed on the bottom of unit when it is mounted.

S key: Operates the Sub Mode funtions in Mode display.

U key: Operates the Upper Mode functions.

1. Current Speed

Display the current speed in km/h or m/h.

2. Upper Mode

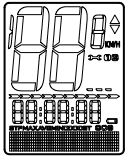
Press U key to display: Ride Time / Distance Travelled / Current Cadence (if paired) / Current Heart Rate (if paired)

3. Mode

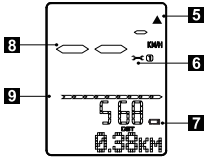
Press M key to display: Clock / Ride Time/ Stopwatch / Distance Travelled / Current Cadence (if paired) / Current Heart Rate (if paired)

4. Bike1 / Bike2

Indicate the display data for Bike1 or Bike2



All Segments



5. Pacer

The pace arrow shows the comparison between current speed and average speed. If the current speed is above or equal to average speed, the up arrow displays; if the current speed below the average speed, the down arrow appears.

6. Service Interval Reminder

In any mode, if Travelled Distance > 500km, it will appear to remind the user to maintain the bike. It is independent of trip distance & odometer. To turn off the icon by pressing the M Key for 2 seconds or it will turn off automatically after 50km.

7. Low Battery Indicator

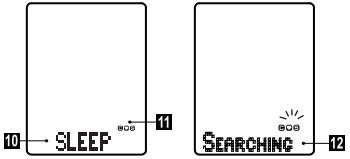
In any mode, if battery < 2.7V, the low battery sign will display.

8.Sensor Sleep

If no speed sensor magnet is detected for more than 20 minutes, the current speed will display dash bars. If no cadence sensor magnet is detected more than 20 minutes, it will display dash bars in cadence mode. If no heart rate monitor is detected for more than 3 minutes, in heart rate mode, it will display dash bars.

9. % Distance Countdown Bar

Shows the percentage of whole pre-set countdown distance. It only works with Distance Countdown feature (see p.23-24)



10. Sleep Mode

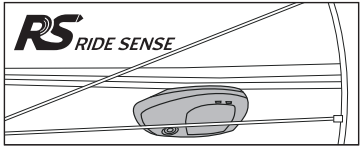
The computer unit will turn to SLEEP mode after all sensors sleep more than 5 minutes.

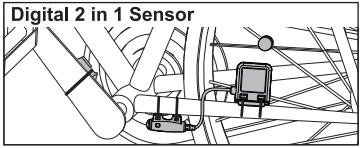
11. Paired Sensor Icons

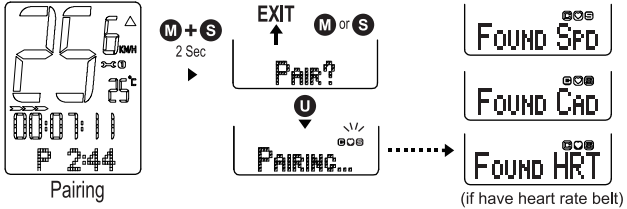
The sensors icons will display in sleep mode if the sensor was paired previously. C: cadence sensor, Heart: Heart rate monitor, S: speed sensor. If the computer can't find the sensors, please make sure the sensor is reacting with magnet while pairing or it is not in sleep mode.

12. Searching

If the computer is not in SLEEP mode, but on the mount, when you move the bike, the computer wil automatically start searching. The longest time for searching is 30 seconds, effective distance for transmission is within 1 meter.

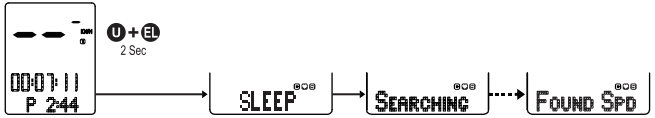




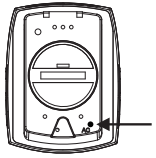


Compatible Sensor
Neos computer is compatible with all ANT+ 2.4G digital transmission device sensors, including Giant Ride Sense sensor in selected Giant bikes or 2 in 1 sensor in accessories. The sensor is not included in the package. Pair the sensor with computer unit before starting to ride.

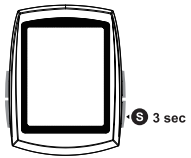
Pairing
Press M+S keys for 2 seconds to enter the pairing mode. Press U key to confirm and it will start pairing automatically. It will display paired with the closest device, or press S or M key to release the pairing mode. The longest time for pairing is 1 minutes, effective distance for transmission is within 1 meter.



Reset Computer



Reset Trip data



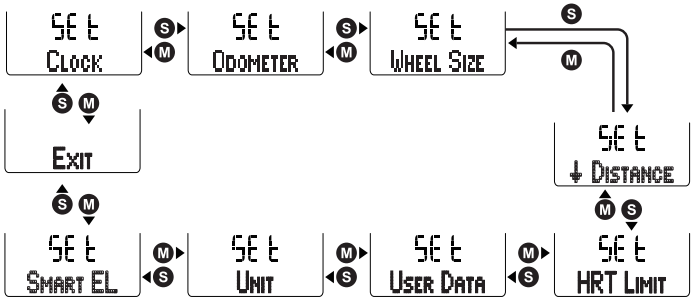
Searching
In Sleep mode, When bike is moving or press U+EL keys for 2 seconds, computer will start searching for paired devices. The longest time for searching is 30 seconds, effective distance for transmission is 1 meter.

Reset Computer
When the computer is not working or the screen is blank after installing the battery, press the AC button at back of unit to reset the computer back to original setting.

Reset Trip Data
In any mode, hold S key for 3 seconds, to reset all trip data.

Enter Setting Mode

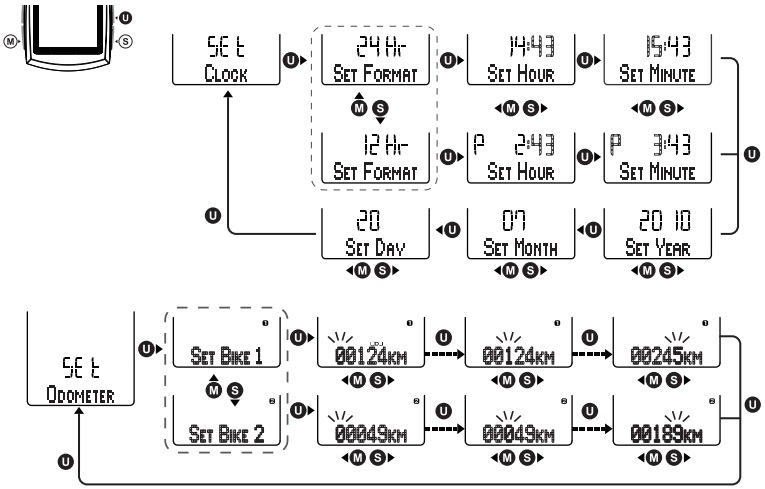
Press U key 3 sec to enter setting mode



Enter Setting Mode

1. Press U key for 3 seconds to enter the setting modes. Select the parameter setting by pressing S or M key in sequence loop of Clock, Odometer, Wheel Size, Countdown Distance, Heart Rate Limit, User Data, Unit, Smart EL, and Exit. Press U key to enter particular parameter setting or return to previous mode in Exit.

Set Clock / Set Odometer



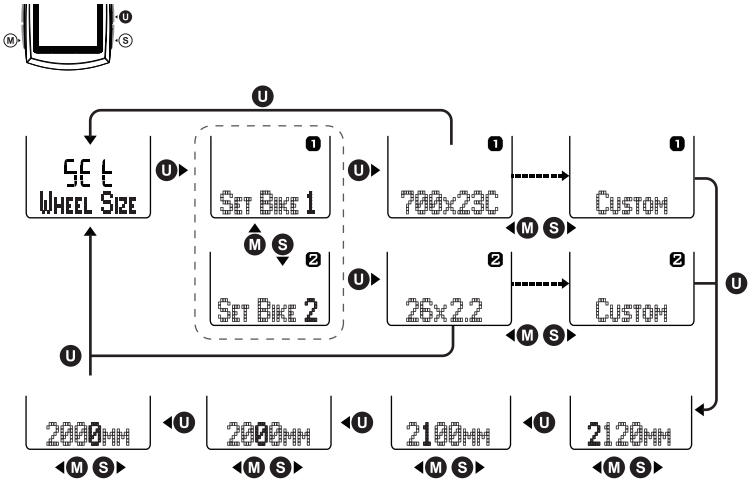
Set Clock

Select "**CLOCK**" in setting mode, and press U key to enter Clock setting. Follow the key flow diagram. Select 24 hours set or 12 hours set by pressing S or M key and confirm it by U key. Press S or M key to adjust the hour, minute, year, month and date and confirm it by U key. (Tips: press and hold S or M key will speed up the digital number setting).

Set Odometer

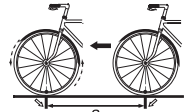
Select "**ODOMETER**" in setting mode, and press U key to enter Odometer setting, Follow the key flow diagram. Press S or M key to select Bike1 or Bike2, and press U key to enter the odometer digits setting. Adjust the number in blinking digit by pressing S or M key, and press U key go to next digit. Press U to confirm the number in each digit and leave the Odometer setting mode.

Set Wheel Size



*Same as Bike2 setting

WHEEL CIRCUMFERENCE

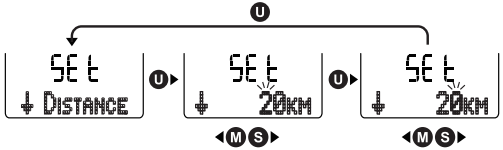


EASY CALIBARATION & CIRCUMFERENCE REFERENCE TABLE

Tire Size	a. (mm)
700x20C	2086
700x23C	2096
700x25C	2105
700x28C	2136
700x32C	2155
700x35C	2168
700x38C	2180
600x23C	1930
26x1.5	2010
26x1.90	2045
26x1.95	2050
26x2.0	2055
26x2.1	2068
26x2.2	2075
Custom	0-3999

Set Wheel Size

Select "**WHEEL SIZE**" in setting mode, and press U key to enter Wheel Size setting. Follow the key flow diagram. Press S or M key to select Bike1 or Bike2 and press U key to set the wheel size. Press S or M key to choose the Tire Sizes or you can enter the wheel circumference in Custom option.

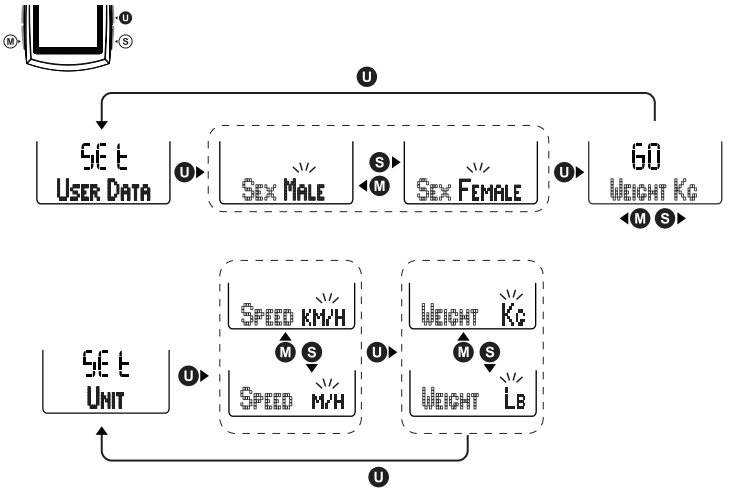


Set Countdown Distance

Select "↓DISTANCE" in setting mode, and press U key to enter Countdown Distance setting. Follow the key flow diagram. Press S or M to adjust the number in different digit, and press U to confirm it. The preset range for countdown distance is 1 to 50km or 1 to 31 mile.

Set Heart Rate Limit

Select "HRT LIMIT" in setting mode, and press U key to enter Heart Rate Limit setting. Follow the key flow diagram. Press S or M to adjust the Upper rate and Lower rate, and press U key to confirm it. The preset highest Upper limit is 240, the lowest Lower limit is 30. (Tips: press and hold S or M key will speed up the digital number setting).



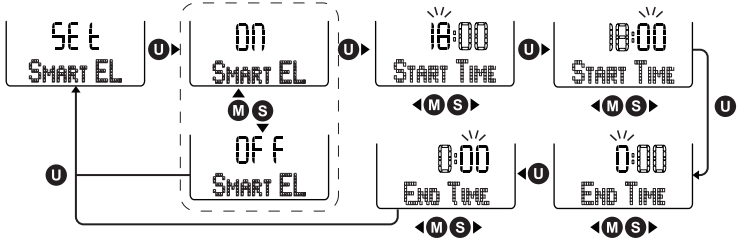
Set User Data

Select "USER DATA" in setting mode, and press U key to enter User Data setting. Follow the key flow diagram. Press S or M key to select Male or Female and press U key to set personal weight, the range is 20 ~ 220 kg or 44 ~ 485 lb. (Tips: press and hold S or M key will speed up the digital number setting).

Set Unit

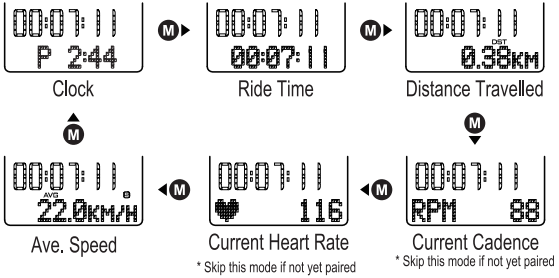
Select "UNIT" in setting mode, and press U key to enter Unit setting. Follow the key flow diagram. Press S or M key to select Speed in KM/H or M/H, Weight in KG or LB.

Set Smart EL



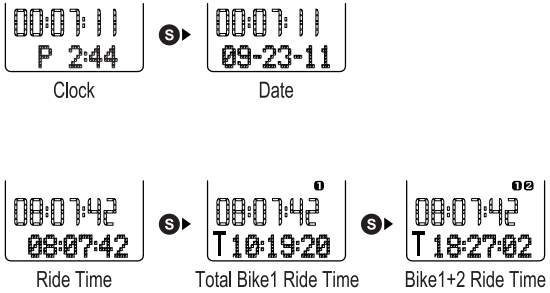
Set Smart EL (Backlight)

Select "**SMART EL**" in setting mode, and press U key to enter Smart EL setting. Follow the key flow diagram. Press S or M key to turn Smart EL function on or off, and press the U key to confirm it. To preset its function Start Time and End Time press S or M key to set hours and minutes and press U key to confirm it and go next step.



Mode / Sub Mode Functions

In Mode display press M key to display Clock/ Ride Time/ Stopwatch/ Distance Travelled/ Current Altitude/ Gradient%/ Ave. Speed/ Current Power/ Max. Temperature, and press S key to display the Sub functions under the main Mode functions.



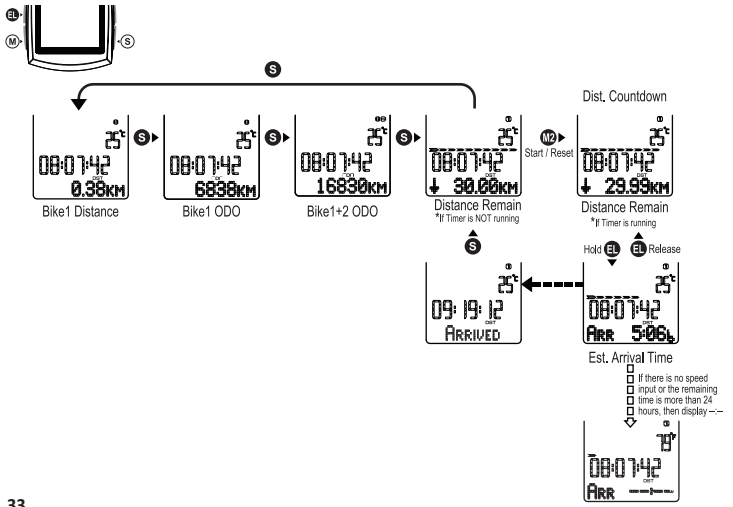
Clock / Date

Clock display in 12hrs / 24hrs set, press S key to display date (MM-DD-YY). It will return to Clock automatically after 3 seconds if S key is not pressed.

Ride Time

Ride Time / Total Bike1 Ride Time / Bike1+Bike2 Ride Time

Ride Time display the trip riding time, and press S key to display Total Bike1 trip ride time and Bike1+Bike2 ride time. It will return to Ride Time automatically after 3 seconds if S key is not pressed.

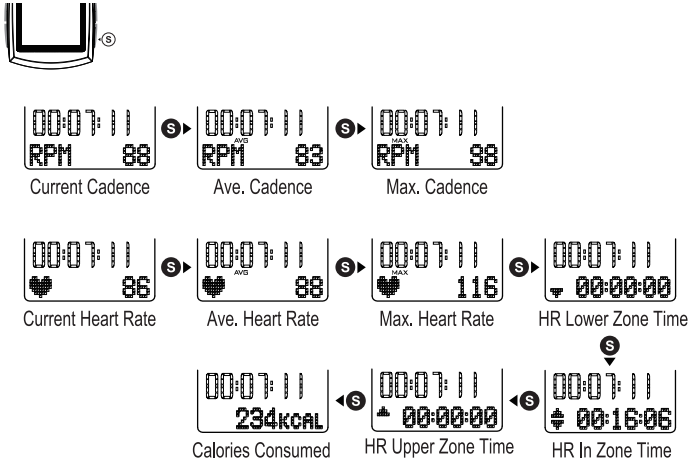


ODO

In Distance mode, press S key to display Bike1 ODO and Bike1+2 ODO. See distance countdown by pressing S key.

Distance Countdown

In Distance Countdown mode, hold M key to reset and start the timer. When the timer is running, hold EL key to see the estimated arrival time and release EL key to see the previous display. Upon arrival at destination, press S key to return the preset distance display. If there is no speed input or the remaining time is more than 24 hours, it will display --:--. Hold M key to stop distance countdown function.



Cadence

In Current Cadence display, press S key to display Average Cadence and Maximum Cadence. It will return to Current Cadence automatically after 3 seconds if S key is not pressed.

Heart Rate / Calories

In Current Heart Rate press S key to display Average Heart Rate, Maximum Heart Rate, Heart Rate Lower Zone Time, In Zone Time, Upper Zone Time, and Calories Consumed during trip. It will return to Current Heart Rate automatically after 3 seconds if S key is not pressed. When the heart rate exceeds the Upper Limit or Lower Limit heart rate, the LCD display will flash as a warning.

Ave. Speed Max. Speed

Bike1 Ave. Speed Bike2 Ave. Speed

Average / Maximum Speed

In Average Speed Mode, press S key to display Max Speed. It will return to Average Speed automatically after 3 seconds if S key is not pressed.

Bike1 / Bike2

Under Average Speed mode, hold M key to swap Bike1 / Bike2. If the stopwatch is running, it can't be swapped between Bike1 and Bike2.

Trouble Shooting

Problem	Possible Cause	Solution
No LCD display	Battery is dead	Replace battery
	Battery is installed in wrong position	Install battery in correct position
	Computer is in shipping mode	Press the AC button which is located on the back side of the computer once after install the battery.
No Current Speed / Cadence display	Magnet is misaligned or too far away	Readjust the magnet and sensor position
	Not paired yet	Pair the Sensor
LCD display is blinking	Heart rate monitor visual alarm is On, current heart rate exceeds the upper/ lower heart rate limit	Re-setting the heart rate limits (upper/ lower heart rate limit)

Problem	Possible Cause	Solution
Erratic Data	Magnet is misaligned or too far away	Readjust the magnet and sensor position
	Sensor battery is low battery	Replace the sensor battery
Heart rate belt does not pair	Heart Rate Monitor needs to be reset	Take the battery out from the belt, discharge the belt by reversing the battery upside down and insert into the battery compartment for 2 seconds, then take the battery out and insert it back to the battery compartment with correct polarity and do the pairing again.
Display – –	Sensor is asleep	Wake up the speed/ cadence sensor with magnets connecting or wake up heart rate monitor by wearing the heart rate belt on chest

Technical Specification

Current Speed	199.9Km/h or m/h
Average Speed	199.9Km/h or m/h
Maximum Speed	199.9Km/h or m/h
Distance 1	999.99 km or m
Distance 2	999.99 km or m
ODO 1	99999 km or m
ODO2	99999 km or m
ODO 1+2	199999 km or m

Ride time 1	19:59:59 (HH:MM:SS)
Ride time 2	19:59:59 (HH:MM:SS)
Total Ride time 1	99:59 (HH:MM)
Total Ride time 2	99:59 (HH:MM)
Total Ride time 1+2	199:59 (HH:MM)
2nd Wheel size	0-3999mm
Time (12/24hr)	12/24
Auto sleep	10 min

Current Heart rate	30-240 bpm
Average Heart rate	240 bpm
Maximum Heart rate	240 bpm
Duration below/within/ over HR limit	19:59:59 (HH:MM:SS)
Calorie	9999 kcal
Easy Calibration	14 + custom
Cadence	30 ~ 240 rpm
Average Cadence	30 ~ 240 rpm

Maximum Cadence	30 ~ 240 rpm
Low battery indication	2.7V
Smart backlight	6:00pm~12:00am(default)
Distance countdown	1~50km
Dimension:	42.5(W)x52(H)x16(T)
Weight:	38g
Battery Operation Life:	10 month (1 hr/day usage)