

SHANREN®

RAPTOR II^{Pro}

User Manual

Bike Computer
BLE 4.0 digital wireless speed & cadence sensor

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Safety Warnings and Suggestions

- [1] Please read the safety instructions carefully and keep it for future reference.
- [2] Be aware of all warnings and instruction signs marked on the products.
- [3] In order to protect your eyes, do not look directly into any light.
- [4] Keep out of the reach of children.
- [5] Take care well and never drop.
- [6] Always keep this product away from all kinds of heat sources.
- [7] Do not insert objects or pour liquid into this product through any apertures on bezels.
- [8] Do not attempt to repair the product yourself or by any other unqualified person.
- [9] Please connect with your closest dealer to get the proper service.
- [10] Always wear a helmet and reflective vest while riding. Always comply with local laws and regulations.
- [11] For safety concern, always inform others of your intended whereabouts before setting out.

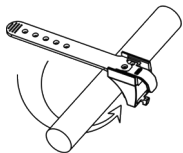
Accessories List



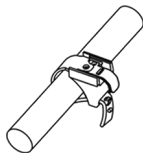
- (1) Main Unit(Raptor)
- (2) Bracket
- (3) Spoke Magnet
- (4) Hex Key
- (5) Cadence and Speed Sensor
- (6) Crank Arm Magnet
- (7) USB charging cable
- (8) Zip Ties

Installation Instructions

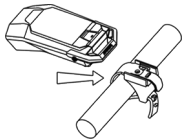
1. Install Main Unit



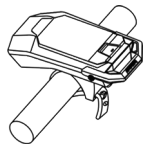
① Fix the bracket to the handlebar on either side of the stem, tighten the bracket on handlebar with rubber belt.



② Tighten the rubber belt on the bracket.

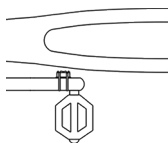


③ Aim the main unit toward the base.

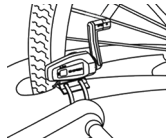


④ Slide the main unit into the bracket and tight it up.

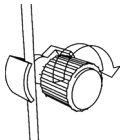
2.Install Sensor



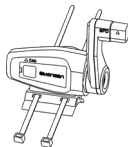
① Use two pieces of zip ties to fix the crank arm magnet to the end of left crank arm.



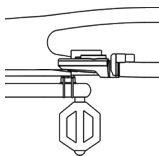
③ Fix the sensor to the left chain stay.



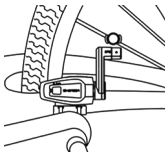
⑤ Install spoke magnet on the rear wheel spoke.



② Use two pieces of zip ties through the holes of sensor.

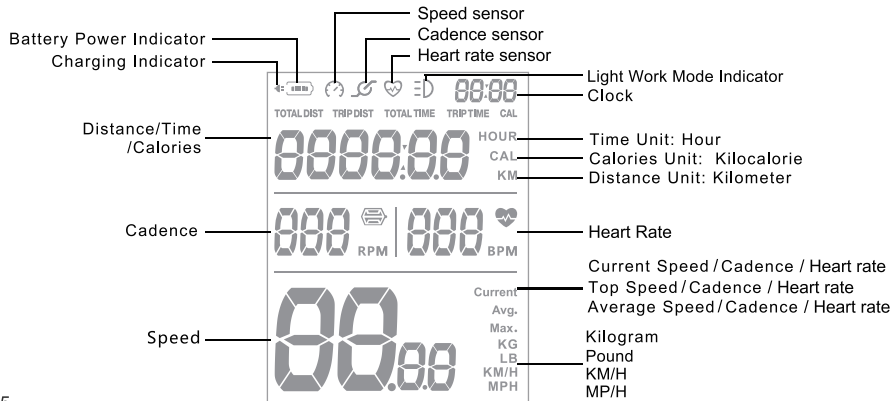


④ Adjust the position of sensor, keep 5~10mm distance between crank arm magnet and the place of CAD mark on sensor. Tighten zip ties and fix the sensor.



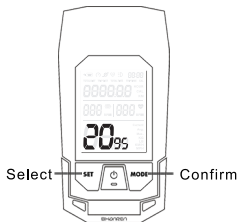
⑥ Adjust the position of spoke magnet and arm of sensor, keep distance within 5mm between spoke magnet and SPD mark on the arm of sensor, lock the arm with hex key.

Screen Illustrations

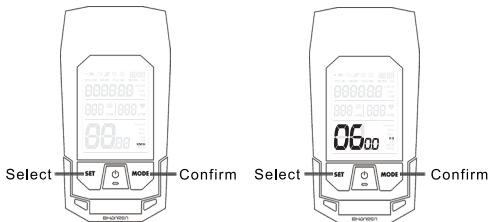


Initialization/Reset

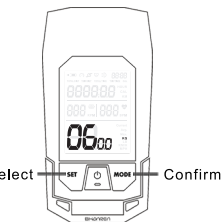
Press and hold MODE and SET buttons for more than 2 seconds to enter the initial setting.



① Set wheel circumference: Press SET to preset values. There are 4 presets for each wheel setting (unit: mm), press MODE to confirm.



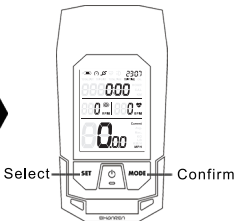
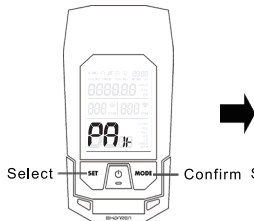
② Select kilometers/miles: Press SET and select KM/H or MPH; press MODE to confirm.



③ Set body weight: Press SET to set weight, press MODE to confirm.





④ Set clock: Press SET to set the time, press MODE to confirm.



⑤ Searching for speed sensor: The speed sensor and main unit were synchronized, no need to match while you use it, search the sensor ID only when replace to a new sensor or new sensor battery (CR2032). Press MODE button to complete setting, the main unit start to work.

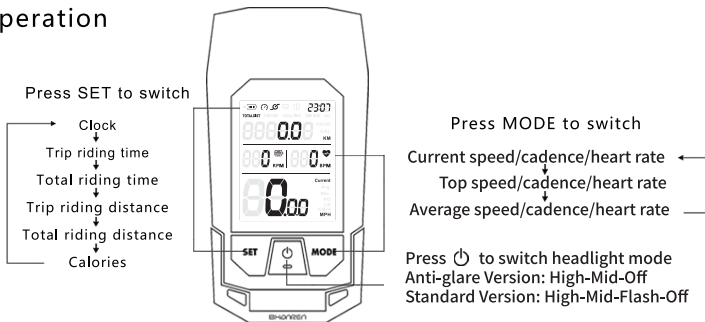
Power-on/Power-off

Keep pressing  for more than 3 seconds, power-on.

Keep pressing  for more than 3 seconds, power-off.

How to Use




Button Operation






1. In [Max.] Mode, long press "MODE" for more than 2 seconds, the data of top speed/cadence/heart rate are all cleared at the same time.
2. In [Avg.] Mode, long press "MODE" for more than 2 seconds, the data of average speed, average cadence, average heart rate, trip riding time, trip riding distance are all cleared at the same time.


3. In [TRIP TIME] Mode, long press "SET" for more than 2 seconds, the data of trip riding time, average speed, trip riding distance are all cleared at the same time.
4. In [TRIP DIST] Mode, long press "SET" for more than 2 seconds, the data of trip riding distance, average speed, trip riding time are all cleared at the same time.
5. In [CAL] Mode, long press "SET" for more than 2 seconds, the data of calories is cleared.







Icon Instruction

Speed sensor connected 
Cadence sensor connected 
Heart rate sensor connected 
(Icon flashing: sensor is paired but not connected successfully)

Bright Light 
Dim Light 
Flash 





 Charging status
Main unit can be charged by
5V / 1A power adapter or power
bank.

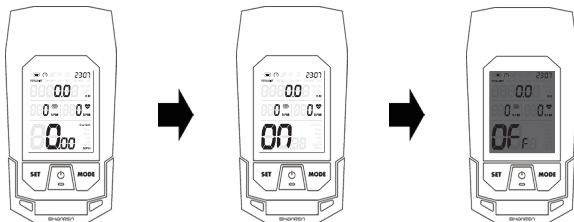
 Power ≥ 90%
 90% > Power ≥ 70%
 70% > Power ≥ 50%
 50% > Power ≥ 30%
 30% > Power ≥ 10%
 Power < 10%
Icon will flash, please recharge
main unit in time

Power Saving Mode

Main unit will change to power saving mode, if has not received any signal from sensor for 4 minutes, only clock and battery status are displayed. Press any key to activate it.

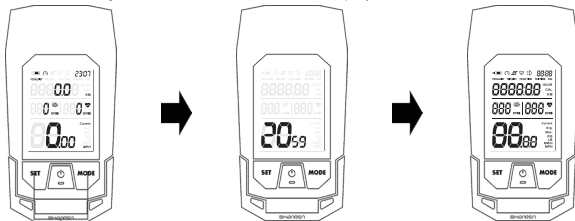
Backlight Operation

1. Press both MODE and SET shorter than 2 seconds at the same time or double click  , screen display "ON", sustained backlight is turned on.
2. Then press both MODE and SET shorter than 2 seconds at the same time or double click  , screen display "OFF", sustained backlight is turned off.



Factory Reset

Press both MODE and SET longer than 8 seconds, full screen displays all information, enter into factory reset mode.



Press both MODE and SET
longer than 8 seconds

Auto Data Saving

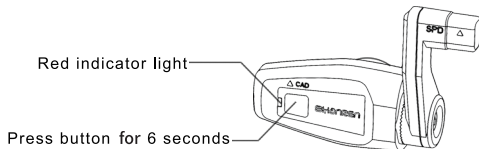
Raptor II saves settings and riding data automatically, data will not be lost even when battery power runs out.

Auto Light Output Downshift

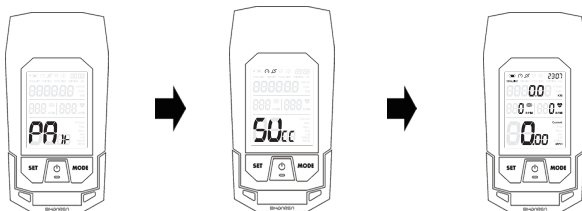
If battery power is less than 10%, light output downshifts automatically, avoiding the danger of riding in darkness caused by sudden light-off.

Main Unit and Sensor Rematch

1. Press sensor button for 6 seconds, red indicator lights up, release the button, sensor starts to match.

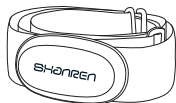


2. Press both SET and MODE more than 2 seconds, main unit enters into setting mode, press MODE button, switch to "Pair" mode. Once matched, screen shows "Succ", and then normal work mode starts.

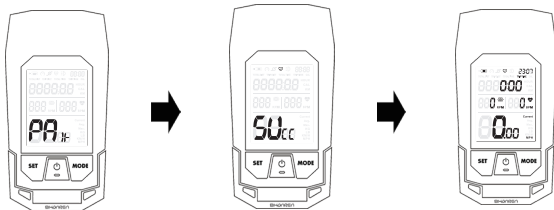


Connect Heart Rate Sensor with Main Unit (Optional)

1. Make sure the heart rate sensor is under working status.



2. Press SET and MODE for more than 2 seconds, main unit enters into initial setting mode, press MODE to switch to "Pair". After connected, screen will show "Succ" and the heart rate icon turns on.



Main Unit Charging

Open micro USB rubber cover, connect main unit to 5V/1A power adaptor or portable power bank.

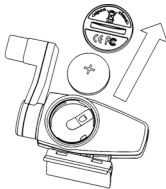


Replace Sensor Battery

Remind : After replacing a new sensor battery, no need to rematch it with main unit.



1.Open the battery case cover anticlockwise.

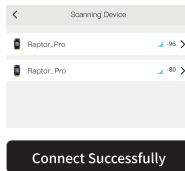
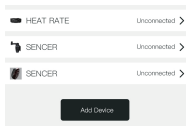
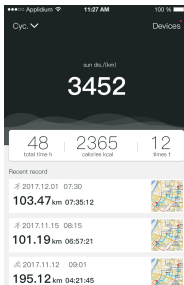


2.Replace new lithium battery(CR2 032) with (+) side facing upward.



3.Tighten the battery case cover clockwise.

Connect Raptor II Pro with Shanren Sport APP



1. Make sure the Bluetooth of your smartphone is turned on, open Shanren Sport App;

2. Through "Devices > Add Devices", click on "Raptor Pro" icon to connect the main unit. Be minded to put the main unit close to the phone, and select the device with the strongest signal;

3. "Connected Successfully" indication shows up;

4. After connected successfully, device screen shows "BLE 4.0", device clock will sync with phone. Users can upgrade the device firmware and set up computer parameters via APP.

Specification

Product name: Raptor II Pro

Model number: SR-BLC10

Light source: CREE White LED *2

Light output: 300lm (Standard version)/ 400lm (Anti-glare version)

Rechargeable Li-battery: 2800mAh

Light working mode: High/Mid/Flash (Anti-glare version: High/Mid)

Light working time: 3/6/12hrs (Flash mode)

Computer working time: 2000hrs (8hrs after bike light out of power)

Recharge time: 4hrs

Sensor battery: Panasonic CR2032

Sensor working time: 12 months (1hr/day)

Charging port: Micro USB

Auto wake up: Supported

Backlight: Supported

Working temperature: 0°~40°C (32°F~104°F)

Weight:120g

Waterproof: IP65

Warranty Card

Main unit and cadence & speed sensor are covered under 1 year's warranty. Accessories excluded.

Each product unit is warranted to be free of factory defects for 1 Year from original purchase. If the product fails to work through normal usage, we will repair or replace the defect at no charge. Service must be performed by an authorized Shanren dealer or an authorized Shanren retailer. To return the product, enclose its warranty card together with details about its disfunction. Please type your name and address clearly on the warranty card.

Insurance and transportation charges shall be born by the party requesting service.Thanks for understanding!

User name: _____

Address: _____

Telephone: _____

Order No.: _____

Commodity name and specification: _____

Dealer name: _____

Purchasing date: _____

Functions

Current Cadence
Average Cadence
Top Cadence
Auto Wakeup
LED Lighting

Current Speed
Average Speed
Top Speed
Data Storage
Current Heart Rate

Trip Time
Total Time
Clock
Calories
Top Heart Rate

Trip Distance
Total Distance
Power Saving
LCD Back Light
Average Heart Rate

Corresponding Wheel Size Diagram

ETRTO	wheel Size	Perimeter(mm)	ETRTO	wheel Size	Perimeter(mm)	ETRTO	wheel Size	Perimeter(mm)	ETRTO	wheel Size	Perimeter(mm)
47-203	12 x 1.75	935	47-507	24 x 1.75	1890	28-590	26 x 1 1/8	1970	20-622	700 x 20C	2086
54-203	12 x 1.95	940	50-507	24 x 2.00	1925	37-584	26 x 1 3/8	2068	23-622	700 x 23C	2096
40-254	14 x 1.5	1020	54-507	24 x 2.125	1965	37-590	26 x 1 3/8	2068	25-622	700 x 25C	2105
47-254	14 x 1.75	1055	25-520	24 x 1(520)	1753	37-584	26 x 1 1/2	2100	28-622	700 x 28C	2136
40-305	16 x 1.50	1185		24 x 3/4 Tubular	1785		650C Tubular 26 x 7/8	1920	30-622	700 x 30C	2146
47-305	16 x 1.75	1195	28-540	24 x 1 1/8	1795	20-571	650 x 20C	1938	32-622	28 x 1.25 , 700 x 32C	2155
47-305	16 x 1.9	1195	32-540	24 x 1 1/4	1905	23-571	650 x 23C	1944		700C Tubular	2130
54-305	16 x 2.00	1245	37-540	24 x 1 3/8	1932	25-571	650 x 25C 650 x 1(571)	1952	35-622	28 x 1.35 , 700 x 35C	2168
28-349	16 x 1 1/8	1290	47-507	24 x 1.75	1888	40-590	650 x 38A	2125	37-622	28 x 1.40 , 700 x 35C	2180
37-349	16 x 1 3/8	1300	25-559	26 x 1(559)	1913	40-584	650 x 38B	2105	38-622	700 x 38C	2193
32-369	17 x 1 1/4	1340	32-559	26 x 1.25	1950	25-630	27 x 1(630)	2145	40-622	28 x 1.50 , 700 x 38C	2205
40-355	18 x 1.50	1340	37-559	26 x 1.40	2005	28-630	27 x 1 1/8	2155	42-622	28 x 1.60 , 700 x 40C	2218
47-355	18 x 1.75	1350	40-559	26 x 1.50	2010	28-630	27 x 1 1/4	2155	44-622	700 x 42C	2235
32-406	20 x 1.25	1450	42-559	26 x 1.60	2020	32-630	27 x 1 1/4	2161	47-622	2.8 x 1.75 , 700 x 45C	2268
35-406	20 x 1.35	1460	47-559	26 x 1.75	2023	37-630	27 x 1 3/8	2169	50-622	29 x 2.00	2280
40-406	20 x 1.50	1490	50-559	26 x 1.95	2050	40-584	27.5 x 1.50	2079	54-622	29 x 2.10	2288
47-406	20 x 1.75	1515	50-559	26 x 2.00	2050	50-584	27.5 x 1.95	2090	56-622	29 x 2.20	2298
50-406	20 x 1.95	1565	54-559	26 x 2.10	2068	54-584	27.5 x 2.1	2148	57-622	29 x 2.25	2303
28-451	20 x 1 1/8	1545	57-559	26 x 2.125	2070	57-584	27.5 x 2.25	2182	60-622	29 x 2.3	2326
37-451	20 x 1 3/8	1615	57-559	26 x 2.25	2070	40-635	28 x 1 1/2	2246		29 x 2.35	2330
37-501	22 x 1 3/8	1770	58-559	26 x 2.35	2083	18-622	700 x 18C	2070			
40-501	22 x 1 1/2	1785	75-559	26 x 3.00	2170	19-622	700 x 19C	2080			



【Download Shanren Sport App】



【Operation】



【Installation Guide】



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