Raptor II
User Manual

Bike Computer
2.4G digital wireless speed & cadence sensor
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.
[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.

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
(8) Zip Ties
Install Instruction

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 tighten it up.

2. Install Sensor

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

2. Fix the sensor to the left chain stay.

3. Install spoke magnet at the rear wheel spoke.

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.

5. Use two piece zip ties through the holes of 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 and tighten it.
Screen Illustrations

- Trip Riding Distance
- Total Riding Distance
- Trip Riding Time
- Distance/Time /Calories
- Cadence
- Wireless Connection
- Light Work Mode Indicator
- Battery Power Indicator
- Charging Indicator
- Speed
- TOTAL DIST
- TRIP DIST
- TOTAL TIME
- TRIP TIME
- CLOCK
- CAL
- KM/H
- MPH
- KG
- LB
- CAD
- Max.CAD
- Avg.CAD
- Speed
- Total Riding Distance
- Calories
- Distance Unit: Kilometer
- Time Unit: Hour
- Calories Unit: Kilocalorie
- Current Cadence
- Top Cadence
- Average Cadence
- Current Speed
- Top Speed
- Average Speed
- KMH
- MP/H
- Kilogram
- Pound

Initialization/Reset

Press and hold MODE and SET buttons 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 (index unit: mm), press MODE to confirm.
2. Select kilometers/miles: Press SET and select KM/H or MPH, press MODE to confirm.
How to Use

Button Operation

Press SET to switch
- Clock
- Trip riding time
- Total riding time
- Trip riding distance
- Total riding distance
- Calories

Press MODE to switch
- Current speed/Average cadence
- Average speed/Average cadence
- Top speed/Top cadence

Press ON/OFF to switch
- Headlight mode: High-Low-Flash-Off

Power-on/Power-off

Keep pressing \(\bigcirc\) more than 3 seconds, power-on.
Keep pressing \(\bigcirc\) more than 3 seconds, power-off.

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

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.

1. In [Top speed/Top cadence] Mode, long press “MODE” more than 2 seconds, the data of top speed, top cadence are all cleared at the same time.
2. In [Average speed/Average cadence] Mode, long press “MODE” more than 2 seconds, the data of average speed, average cadence, trip riding time, trip riding distance are all cleared at the same time.
3. In [Trip riding time] Mode, long press “SET” more than 2 seconds, the data of trip riding time, average speed, average cadence, trip riding distance are all cleared at the same time.

4. In [Trip riding distance] Mode, long press “SET” more than 2 seconds, the data of trip riding distance, average speed, average cadence, trip riding time are all cleared at the same time.

5. In [Calories] Mode, long press “SET” more than 2 seconds, the data of calories is cleared.

**Icon Instruction**

- Sensor wireless connected
- Sensor wireless disconnected
- Bright Light
- Dim Light
- Flash

**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, screen display On, backlight turn on all along.
2. Then press both MODE and SET shorter than 2 seconds at the same time again, screen display Off, backlight turn off.

Press both MODE and SET shorter than 2 seconds at the same time.

Press both MODE and SET shorter than 2 seconds at the same time.
Factory Reset
Press both MODE and SET longer than 8 seconds, full screen display all information, enter into factory reset mode.

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

Auto Light Output Downshift
If battery power 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 6 seconds, red indicator lights up, release the button, sensor starts to match.

   Red indicator light

   Press button 6 seconds

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

Replace Sensor Battery
Remind: After replace a new sensor battery, you need to rematch it with main unit.

1. Open the battery case cover anticlockwise.
2. Replace new lithium battery (CR2032) with (+) side facing upward.
3. Tighten the battery case cover clockwise.

Specifications
- Product name: Raptor II
- Model number: SR-8LC10-A
- Light source: Cree white LED*2
- Light output: 300lm
- Rechargeable Li-ion battery: 2800mAh
- Light work mode: High/Low/Flash
- Light running time: 3/6/12hrs
- Computer running time: 215hrs
  (After bike light out of power, computer working time: 8hrs)
- Recharge time: About 4hrs
- Wheel diameter: 100mm~399mm (Default: 2095mm)
- Sensor battery: Li-ion battery CR2032 x 1 (Working time: About 12 months, 1hr/day)
- Charging interface: Micro USB
- Bicycle computer with 2.4G wireless sensor
- Raptor auto activation: Supported
- Backlight: Supported
- Working temperature: 0°C~40°C (32°F~104°F)
- Weight: 120g
- Waterproof: IP65
Warranty Card

Main unit and 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

Trip Time  
Total Time  
Clock  
Calories

Trip Distance  
Total Distance  
Power Saving  
LCD Back Light

Corresponding Wheel Size Diagram

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