SHANREN

USER MANUAL

Raptor V1.0

2.4G Digital Wireless System

Thank you for choosing Shanren products
We focus on developing intelligent professional cycling equipment

This manual includes instructions for the installation and use of the Shanren intelligent bicycle accessories as well as the warranty information. Please read this carefully and save it for future reference. If you do not understand the information in this manual or you have a question about our product that this manual does not cover, please contact us.

Contents

·Safety and general guidelines
·Accessories List
·Installation
·Screen illustrations
·Initialization/Reset
·How to use
·Specifications
·Warranty Card

General guidelines and warning

·Please read the safety instructions carefully and keep it for future reference.

·Be aware of all warnings and instruction signs marked on the products.

·In order to protect your eyes, do not look directly into any light.

·Keep out of the reach of children.

·Always keep the product away from moisture or getting wet.

·Take ample care to never drop the product.

·Always keep this product away from all kinds of heat sources.

·In order to avoid electric shock, do not use any kind of plug without it being earthed.

·Do not insert objects or pour liquid into this product through any apertures on bezels.

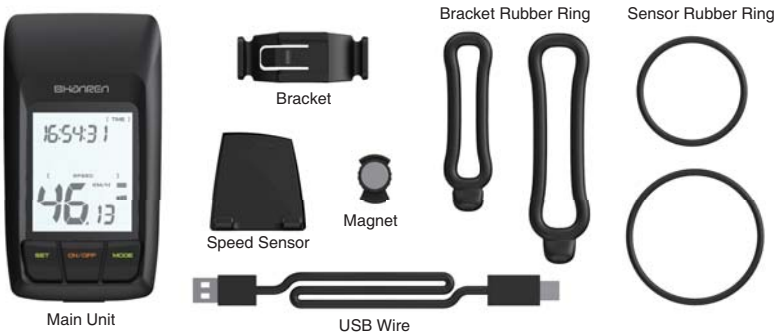
·Do not attempt to repair the product yourself or by any other unqualified person.

·Contact a dealer near you for service.

·Ware a helmet and reflective vest while riding. Always comply to local laws and regulations.

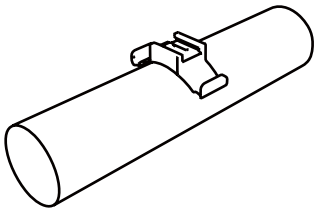
·As a precaution, always inform others of your intended whereabouts before setting out.

Accessories list

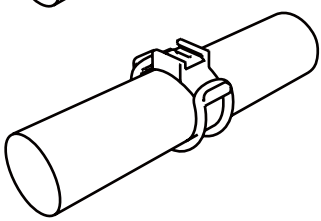


1. Main Unit(BLC)
2. Bracket
3. USB Wire
4. Speed Sensor
5. Magnet
6. Sensor Rubber Ring
7. Bracket Rubber Ring

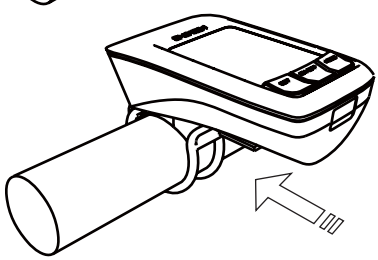
Installation



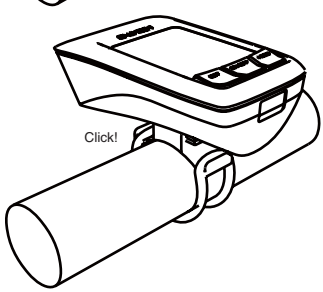
1.Position the bracket to the handlebar on either side of the stem



2.Fit the bracket on handlebar with rubber ring

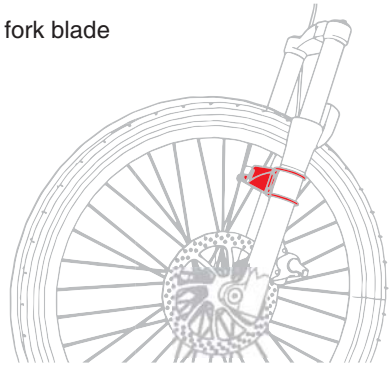


3.Aim the main unit toward the base

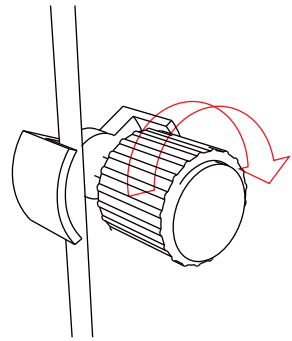


4.Slide the main unit into the bracket until it snaps up

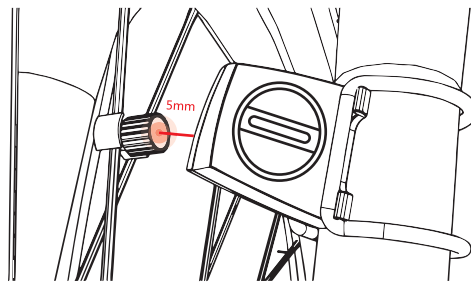
5.Mount the wheel sensor on the fork blade



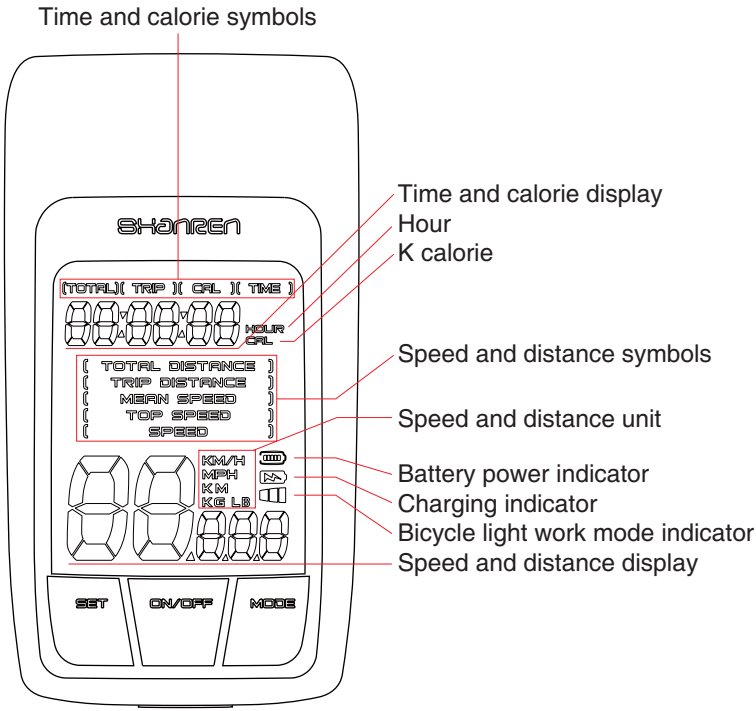
6.Remove the magnet and install on the spoke, facing the 'sensor' mark.



7.Adjust the magnet until it is 3-5mm from the sensor, then tighten it.



Screen illustrations



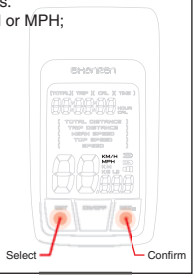
Initialization/Reset

Press and hold the “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, press MODE to confirm.

Tire size	Wheel circumference(mm)	Tire size	Wheel circumference(mm)
700c x 38mm	2180	27”x 1-1/4”	2161
700c x 35mm	2168	27”x 1-1/8”	2155
700c x 32mm	2155	26”x 2.3”	2135
700c x 30mm	2145	26”x 2.25”	2115
700c x 28mm	2136	26”x 2.1”	2095
700c x 25mm	2124	26”x 2.0”	2074
700c x 23mm	2105	26”x 1.9”/1.95”	2055
700c x 20mm	2074	26”x 1.75”	2035
700c Tubulari	2130	26”x 1.5”	1985
650c x 23mm	1990	26”x 1.25”	1953
650c x 20mm	1945	26”x 1.0”	1913
		24”x 1.9”/1.95”	1916
		20”x 1-1/4”	1618
		16”x 2.0”	1253
		16”x 1.95”	1257
		16”x 1.5”	1206

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

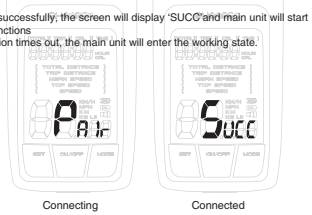


(3) Set body weight:
Press SET to set weight, press MODE to confirm.

*Choose KM/H the body weight unit is KG, select MPH the body weight unit is LB.

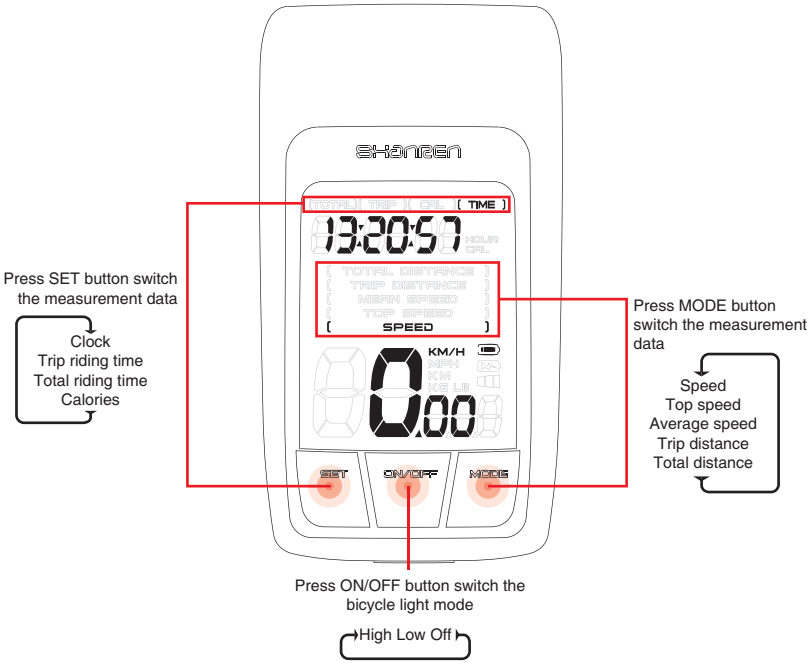
(4) Set clock:
Press SET to set the time, press MODE to confirm.

(5) Searching for speed sensor:
The sensor was synchronized with this unit before shipment, search the sensor ID only when a sensor is used or after sensor battery (CR2032) replacement.
Press MODE button to complete setting, the main unit start to work.
The screen will display ‘Pair’ when the main unit is waiting for the speed sensor signal.
① If it connects successfully, the screen will display ‘SUCC’and main unit will start performing its functions
② If the connection times out, the main unit will enter the working state.



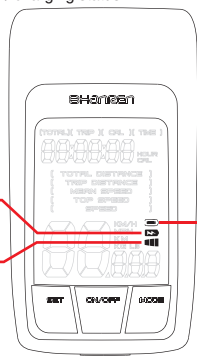
How to use

Press and hold the ON/OFF button for more than 3 second to start.
The screen flashes the following data when main unit is in motion:
(1) [SPEED] Current speed is updated on every second
(2) Five stages battery indicator.
(3) Charging indicator : Indicates when charging status
(4) Bike light work mode indicator.
(5) [TIME] Clock time is displayed as 'hh:mm:ss' 24 hours format.



*
1.When main unit display [TRIP], press SET button more than 2 seconds, trip riding time,trip distance and average speed data are cleared at the same time.
2.When main unit display [CAL] , press SET button more than 2 seconds, calories data is cleared.
3.When main unit display [TRIP DISTANCE], press MODE button more than 2 seconds, trip distance data, trip riding time, average speed are cleared at the same time.
4.When main unit display [TOP SPEED] , press MODE button more than 2 seconds, top speed data is cleared.

Bike light work mode / battery / charging status



Charging status

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

Bike light work mode

High

Low

Battery status

Battery capacity ≥ 90%

90%> Battery capacity ≥ 70%

70%> Battery capacity ≥ 50%

50%> Battery capacity ≥ 30%

30%> Battery capacity ≥ 10%

Battery capacity <10%

If battery capacity<10%, icon flashes, please recharge main unit in time.

Power saving mode

Main unit will go into power saving mode ,clock and battery status are displayed,which has not received any signal from sensor for 240 seconds.
Press any key to restart.

Power on/off

Press ON/OFF button more than 3 seconds, main unit power off.
If main unit power off, press ON/OFF button more than 3 seconds,main unit restart.

Press and hold SET & MODE operation summary

(1)Press and hold SET & MODE in 2 seconds, turn on/off backlight.

Press and hold SET & MODE in 2 seconds

LCD screen display 'ON'
and backlight turns on constantly
Press and hold SET & MODE in 2 seconds

LCD screen display 'OFF'
and backlight turns off

(2)Press and hold SET & MODE more than 2 seconds,main unit enter initialization mode.
(3)Special note:Press and hold SET & MODE more than 8 seconds, system reset, main unit restore factory settings.

Auto data store

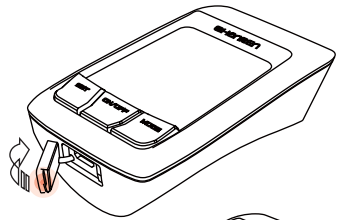
Raptor saves setting and riding data automatically,data will not be lost even when battery power is lost.

Auto lighting output decrease

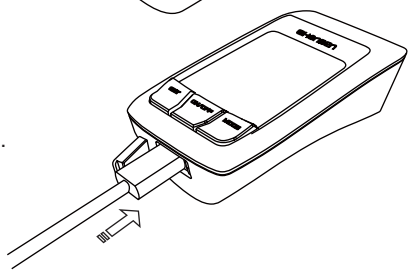
If battery capacity less than 10%, light output decreases automatically ,avoid danger of riding in darkness cause by light off suddenly.

Main unit charging

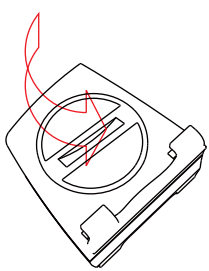
1.Open micro USB rubber pad.



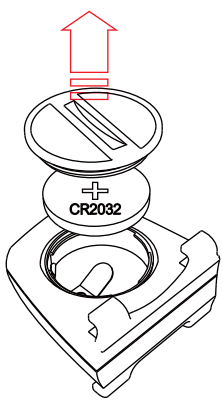
2.Connect main unit to 5V/1A power adapter or power bank with USB wire.



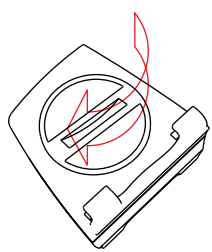
Sensor battery replacement



1.Open the battery case cover anticlockwise.



2.Replace a new lithium battery(CR2032) with (+) side facing upward.



3.Tighten the battery case cover clockwise.

Specifications

·Model Number: SR-BLC10
·Light source: Cree white LED*2
·Light output: 300lm
·Rechargeable Li-ion Battery: 2600mAh
·Work mode: High - Low - Off
·Bike light running time: 3 / 6 Hours
·Recharge time: about 4 Hours
·Current/Average/Maximum speed:0.00~99.99 km/h (0.00-62.13m/h)
·Trip/Total distance: 0.00~99999 km (0.00-62139m)
·Clock: 00:00:00~23:59:59 （24-hour system）
·Trip riding time: 00:00’~9999:59’
·Total riding time: 0~999999 Hours
·Calories: 0~999999 kcal
·Tire size: 100mm~3999mm (default 2095mm)
·Sensor battery: Lithium battery CR2032 x 1(Working time: About 12 months,if used for 1 hour/day)
·Charging Interface: Micro USB
·Working temperature: 0℃~40℃ （32°F~104°F）
·Backlight: Supported
·Bike computer with 2.4G wireless sensor
·Weight: 120g

Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by SHENZHEN SHANREN TECHNOLOGY CO.,LTD may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Warranty Card

Limited warranty 1 Year main unit and speed sensor.
Accessories and battery consumption 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 dysfunction.Please type your name and address clearly on the warranty card.

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

User name:

Address:

Telephone:

Purchasing address:

Retail price:

Odd numbers:

Commodity name and specification:

Dealer name:

Purchasing date:

SHANREN

SHANREN, is an intelligent cycling accessory & outdoor sports brand, full of creative passion and vitality in approach. We have a diverse team, embracing scores of different cultures and viewpoints.

We have responsible attitude when it comes to R&D and manufacturing. Building the best product is integral to everything we do, from environmentally responsible manufacturing, to the active involvement with the communities we live in.

We all share a passion for discovery; innovation is who we are. We keep evolving towards a smarter, safer, greener, healthier and more enjoyable world.

Shanren Technology USA Inc
Shanren International Co.,Ltd
sales@shanrentech.com
www.shanrentech.com