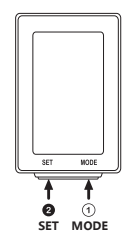


JY-M19 Series Computer



INDEX:
 N=BUTTON NUMBER:
 ① Mode Button
 ② Set Button
 ② means press the button N for more than 2 seconds

Initialization Setting

1.All clear (5s) → **2.Unit selection** → **3.Circumference setting** → **4.Total distance setting** → **5.Maintenance setting**

6.Weight setting → **7.Clock setting** → **8.Back light setting**

Main Function

9.Clock/Auto Scan → **10.Stop watch** → **11.Distance/total distance** → **12.Riding time** → **13.Average speed/Maximum speed** → **14.Calories/total calories/fat burnt** → **15.Tep/highest tep/lowest tep**

16.Data reset

(DST=0) (TM=0) (AVSPD=0) (MXSPD=0) (TOTCAL=0) (FAT=0) (HI TEP=0) (LO TEP=0)

RESET RESET

17.Automatic off

18. Battery change

COIN
Battery cap
3V CR2016

19. Tire circumference

2nd 1st

Function and Specification

- : Current speed
- : Speed comparator
- ⌚: Clock
- ⏸: Auto-scanning display mode
- ⏹: Stop watch
- ⏸: Distance
- ⏹: Total distance
- ⏹: Riding time
- ⏹: Average speed
- ⏹: Maximum speed

⌚: Clock
 Acceleration or deceleration comparing with average speed.

⏸: Auto-scanning display mode
 The computer will change DST (average riding time), AV SPD (average speed) mode automatically every 2 seconds.

⏹: Stop watch
 Measure the time for short-distance riding. Press the set button 2 to start the stopwatch. Press the set button 1 again to stop the stopwatch. Press the set button 2 and keep it pressed for more than 2 seconds to reset the stopwatch to 0.

⏸: Distance
 The DST function accumulates the distance data from the last reset operation as long as the bike is being ridden.

⏹: Total distance
 1. The computer calculates the total distance as long as the bike is riding. 2. The data can be set during initialization process.

⏹: Riding time
 The TM shows the riding time from the last reset operation.

⏹: Average speed
 1. It is calculated from the DST by divided by the TM. The average data counted from the last reset to current point.
 2. It is updated every 1 seconds.

⏹: Maximum speed
 It shows the highest speed from the last reset operation.

⏹: Calories
 This value indicates the current calorie consumption.

⏹: Total calories
 This value indicates the total calorie consumption from the last reset operation.

⏹: Temperature
 Long press set button 2 in this mode for around 5 seconds to change the display from °C to °F or vice versa.
 TEP: Highest temperature
 TEP: Lowest temperature

⏹: Back light
 LT1 mode: the back light will be on for 5 seconds when pressing any button in any mode within the set time period.
 LT2 mode: the back light will be on or off when holding "M" for 2 seconds.

⏹: Maintenance program
 The maintenance symbol will be displayed to remind you to fix the parts regularly or to lubricate the chain and wheels after the preset distance is reached. The symbol will be cleared when the maintenance distance is reset.

Main Unit Setup

1. Computer initialization (Fig.1)
 A CR2016 battery is already loaded in the main unit when purchased. Hold down the mode button 1 and set button 2 simultaneously for more than 5 seconds to initiate the computer and clear all data.

2. Unit selection (Fig.2)
 Press mode button 1 to choose KMH or MPH and press set button 2 to confirm.

3. Circumference setting (Fig.3)
 Measure the value of your wheel size (Fig.19) or refer to the quick table (Fig.20). Press set button 2 to confirm the default value 215mm directly and continue to the next setting. The setting range of wheel size is 100mm-299mm.
 Precise measurement (Fig.19)

Roll the wheel until the valve stem is at its lowest point close to the ground. Then mark this first point on the ground. Push the bicycle until the valve stem returns to its lowest point. Mark the second point on the ground. Measure the distance between those two points and enter this value to the wheel circumference. Quick table (Fig.20): get a suitable circumference value from the table.

4. Total distance setting (Fig.4)
 Press the set button 2 to confirm the default value "0" and skip to the next setting.

5. Maintenance setting (Fig.5)
 Press the set button 2 to confirm the default value "0" and skip to the next setting.

6. Weight setting (Fig.6)

7. Clock setting (Fig.7)
 The computer displays the "⌚" symbol at the clock setting. Press the set button 2 for 1 seconds to reset the clock.

8. Back light setting (Fig.8)
 Press the set button 1 to choose from back light 1 or 2 and press set button 2 to confirm. If choose back light 2, press set button 2 to finish the initialization and the main function display. If choose back light 1, press set button 2 to continue to set the time period (start time and end time).

9. Reset operation (Fig.16)
 Hold down the set button 2 until the LCD digit is blanked, then release it. The computer could reset STM, DST, TM, AV SPD, MXSPD, TOTCAL, HI, HIGHEST TEP and LOWEST TEP in the clock function display screen, the clock and back light could be reset by holding down the set button 2 for more than 3 seconds. In the total distance function display screen, the unit, wheel size, total distance and maintenance distance could be reset by holding down the set button 2 for more than 1 seconds. In the calorie function display screen, the weight could be reset by holding down the set button 2 for more than 3 seconds.

10. Automatic Start/Off (Fig.17)
 The computer will automatically begin counting data upon riding (Only use version) and will automatically switch off and just display clock data when it has not been used for 1 minutes in order to save power.

Data setting process
 1. The data is adjusted each digit separately. The setting digit is flickering.
 2. Quickly press the mode button 1 to increase the digital value by 1.
 3. Press the set button 2 to store the data and change to the next setting.

Suitable Fork Size:
 12mm to 50mm (0.5" to 2.0") (B) Forks.

Wireless Sensing Distance:
 60cm between the transmitter and the main unit.

Operation Temperature:
 0°C-50°C (32°F-122°F)

Storage Temperature:
 -15°C-60°C (5°F-140°F)

Main Unit Battery Power:
 1V battery x 1 (CR2016), battery operating life is about 2 years. (Based on an average of 1.5 hours use per day)

Transmitter Battery Power (Wireless version):
 3V battery x 1 (CR2012), About 24,000km/15,000 miles riding distance or 2 years battery operating life. (The original factory-attached battery life may be shorter than this period due to shipping and storage time)

Dimensions and Weight:
 Main Unit: 40 x 63 x 17mm / 28.7g

TROUBLE SHOOTING

PROBLEM	CHECK ITEMS	REMEDY
Main unit No display	1. Is the battery dead? 2. Is there incorrect battery installation?	1. Replace the battery. 2. Be sure that the positive pole of the battery is facing the battery cap.
No current speed or incorrect data	1. Is it at the MAIN UNIT SETUP or another setting screen? 2. Are the relative positions and gap between sensor and magnet correct? 3. Is the circumference correct? 4. Is the sensing distance too long or the installation angle of the sensor incorrect? 5. Is the sensor battery nearly exhausted? 6. Is it any strong interference source nearby?	1. Refer to the setting procedure and complete the adjustment. 2. Refer to (Fig. C-a) and re-adjust position and gap correct value. 3. Refer to "Circumference Setting" and enter correct value. 4. Refer to (Fig. C-b) and adjust distance or angle between the main unit and the sensor. 5. Replace with a new battery. 6. Move away from the source of interference.
Irregular display	Refer to the "Main Unit Setup" and initiate the computer again.	
LCD is black	Did you leave main unit under direct sunlight when not riding the bike for a long period of time? No adverse effect on data.	Place main unit in the shade to return to normal state. No adverse effect on data.
Display is slow	Is the temperature below 0°C (32°F)?	Unit will return to normal state when the temperature rises.

PRECAUTIONS AND SAFETY ADVICE

- Don't leave the main unit exposed to direct sunlight when not riding the bike.
- Don't disassemble the main unit or its accessories.
- Check relative position and gap of sensor magnet and main unit periodically.
- Don't use thinner, alcohol or benzine to clean the main unit or its accessories when they become dirty. The choice should only be cleaned on the outside with a soft dry cloth.
- Remember to pay attention to the road while riding.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

20. Popular tires circumference reference table

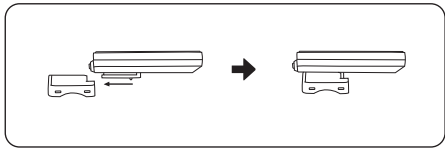
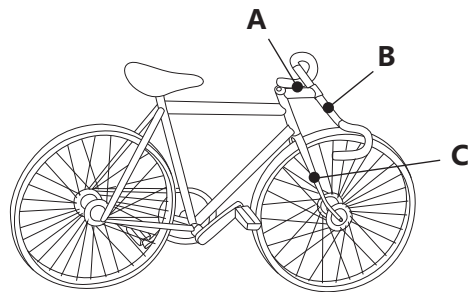
Tire Size	Circumference Number	Tire Size	Circumference Number	Tire Size	Circumference Number	Tire Size	Circumference Number
18 Inch	1436 mm	26x1.50	2030 mm	28 Inch	2234 mm	700C	2117 mm
20 Inch	1596 mm	26x1.75	2045 mm	28.6 Inch	2281 mm	700x20C	2092 mm
22 Inch	1759 mm	26x1.95	2099 mm	29x2.10	2324 mm	700x23C	2112 mm
24x1.75	1888 mm	26x2.1	2133 mm	29x2.20	2333 mm	700x25C	2124 mm
24 Inch	1916 mm	27.5x1.95	2167 mm	29x2.35	2354 mm	700x28C	2136 mm
24x1.3/8	1942 mm	27.5x2.10	2192 mm			700x32C	2155 mm
26x1.40	1995 mm	27.5x2.35	2229 mm			700x35C	2164 mm
						700x38C	2174 mm

SAFETY ADVICE CONCERNING BATTERIES

- Always replace the old battery with new battery of same type.
- Remove the battery if the product is not to be used for a long period.
- If the battery is recharged, remove it from the device immediately. Otherwise the battery is more likely to leak.
- Make sure you insert the battery the right way round (polarity).
- Keep the battery away from children. Do not throw the battery into a fire. Never short-circuit it or take it apart.
- If your battery leaks, remove it from the device immediately to prevent the device from being damaged.
- Do not let the fluid from a leaking battery come into contact with your skin, eyes or mucous membranes. In the event of contact with fluid leaking from a battery, thoroughly flush the affected area with water and / or seek the advice of a doctor!

DISPOSAL OF BATTERY
 Batteries must not be disposed of with the household refuse. They may contain toxic heavy metals and require to be handled as special waste. The chemical symbols of heavy metals are: Cd-cadmium, Hg-mercury, Pb-lead. For this reason, you must dispose of discarded batteries at a communal disposal center.

INSTALLATION MANUAL



Wireless version

Wire version

A. Mounting of the bracket: on the stem

B. Mounting of the bracket: on the handlebar

C. Mounting of the sensor and magnet

C-a

The distance between the sensor and magnet is better to be smaller than 5mm.

C-b

$L < 60\text{cm}$

C-c

- COIN
- Battery cap
- 3V CR2032

A. Mounting of the bracket: on the stem

B. Mounting of the bracket: on the handlebar

C. Mounting of the sensor and magnet

C-a

The distance between the sensor and magnet is better to be smaller than 5mm.

