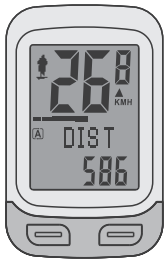




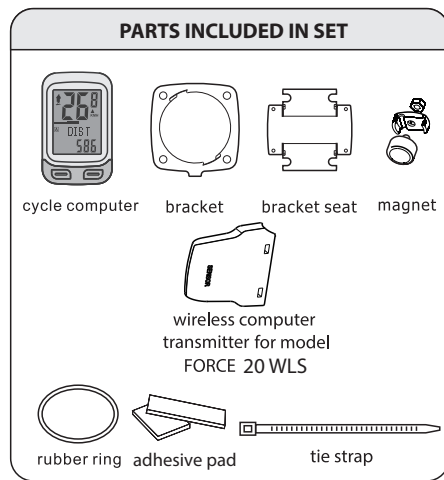
Bicycle Computer Instruction Manual



MODE SET
wireless computer
FORCE 20 WLS

Please read this manual guide carefully before usage, and safe keep it during the validity of the product for viewing at any time.

1 ACCESSORIES



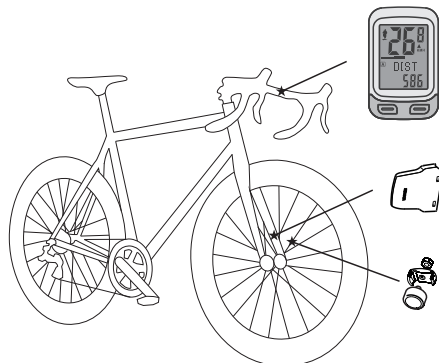
Dodavatel / Importer
KCK Cyklosport-Mode s.r.o.,
Bartošova 348, 765 02 Otrokovice-Kvitkovice, CZ
www.kckcyklosport.cz, www.force.bike
Země původu Čína / Made in China /

2 FUNCTION INTRODUCTION

- ◆ 2 WHEELS SIZE SETTING A/B
- ◆ TEMPERATURE
- ◆ RIDING DISTANCE
- ◆ TOTAL DISTANCE/ TOTAL ODO
- ◆ RIDING TIME
- ◆ RIDING SPEED
- ◆ SCAN
- ◆ 5 LANGUAGES
- ◆ COMPARISON OF CURRENT/ AVERAGE SPEED
- ◆ AVERAGE SPEED
- ◆ MAX SPEED
- ◆ CLOCK
- ◆ STOP WATCH
- ◆ DISPLAY BACKLIGHT
- ◆ AUTO ON/ OFF
- ◆ METRIC/ IMPERIAL UNITS
- ◆ TRIP MEMORY 7 DAYS

3 INSTALLATION INSTRUCTION

Location of computer and components



2

Battery installation

Insert coin into the gap of the battery cover, then counterclockwise rotate to open battery cover, mount battery and cover it up.

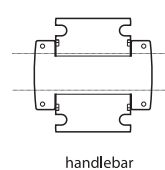
Please use CR2032 battery, battery anode (+) side is up, toward battery cover.

Bracket installation on handlebars

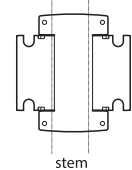
Fix the bracket on handlebar with included rubber ring. Check proper function and position. For attaching on stem change direction of the bracket as shown below. Note: Add rubber pad under the bracket in final position of the computer.

Bracket installation on stem

Change direction of the bracket seat by 90° unscrewing 4 screws in the bracket base.



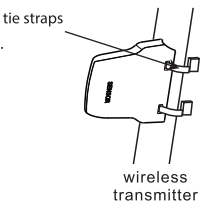
handlebar



3

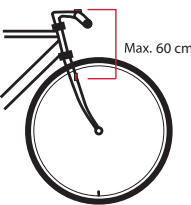
Installation of the computer into bracket

Switch computer in position by 45° left. Then insert in bracket and fix by rotating clockwise so computer is in same position with bracket.



Transmitter installation

Fix the transmitter on the same side of the front fork as the computer bracket. If the bracket is mounted on the stem, you can fix the transmitter on both side of the fork. Please follow max. distance between transmitter and computer in range 30°. Max. distance between the transmitter and magnet is 5 mm.



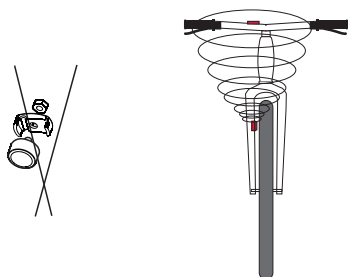
Note:

1. The distance between transmitter and magnet should be less than 5mm, try to adjust the location of magnet within this scope.
2. Keep min. distance - magnet and transmitter can not touch during the ride!
3. Place the transmitter on the side with sign "sensor" closer to the magnet (on the inner side)

4

Magnet installation

Disassemble the nut at the bottom of the magnet, fasten the magnet with screw to the spokes of the wheel, tighten the nut. Magnet is compatible with aero spokes.



Saving mode

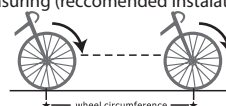
After 4 minutes of passivity the computer will switch to saving mode and display the clock only. Once you move the wheel, the computer starts working automatically.



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Note: Please measure wheel circumference before setting circumference. There are two measuring methods.

1. Record marked size on wheel, refer to following table to find the perimeter.
2. Make a mark point on wheel, cycle the bicycle, when the marker point rolls one circle, the distance cycled is the wheel circumference (Unit: MM)
3. For accurate measurement seat on bicycle while measuring (recommended installation in 2 people)



4 OPERATION INSTRUCTION

A System initialization parameter setting:

System will be reset while replacing battery on the bicycle computer (all record data cleared).

1. Please reset system before using first time, or it could cause incorrect riding numerical value.
2. System data settings.
 - a. It will enter setup mode when replacing the battery, then you may set speed unit, wheel parameter, time, ODO etc.

- b. Press [MODE] key for 2 seconds to enter time setting mode. Operation is as below:

When setting, press [SET] key to adjust the numerical value, press [MODE] key to set next parameter.

6

ETRTO	SIZE	DIAMETER
47-203	12x1.75	935
54-203	12x1.95	940
40-254	14x1.50	1020
47-254	14x1.75	1055
40-305	16x1.50	1185
47-305	16x1.75	1195
54-305	16x2.00	1245
28-349	16x1-1/8	1290
37-349	16x1-3/8	1300
32-369	17x1-1/4 (369)	1340
40-355	18x1.50	1340
47-355	18x1.75	1350
32-406	20x1.25	1450
35-406	20x1.35	1460
40-406	20x1.50	1490
47-406	20x1.75	1515
50-406	20x1.95	1565
28-451	20x1-1/8	1545
37-451	20x1-3/8	1615
37-501	22x1-3/8	1770
40-501	22x1-1/2	1785
47-507	24x1.75	1890
50-507	24x2.00	1925
54-507	24x2.125	1965
25-520	24x1 (520)	1753
24x3/4 Tubular		1785
28-540	24x1-1/8	1795
32-540	24x1-1/4	1905
25-559	26x1 (559)	1913
32-559	26x1.25	1950
37-559	26x1.40	2005
40-559	26x1.50	2010
47-559	26x1.75	2023
50-559	26x1.95	2050
54-559	26x2.10	2068
57-559	26x2.125	2070
58-559	26x2.35	2083

ETRTO	SIZE	DIAMETER
75-559	26x3.00	2170
28-590	26x1-1/8	1970
37-590	26x1-3/8	2068
37-584	26x1-1/2	2100
650C Tubular 26x7/8		1920
20-571	650x20C	1938
23-571	650x23C	1944
25-571	650x25C 26x1(571)	1952
40-596	650x38A	2125
40-584	650x38B	2105
25-630	27x1(630)	2145
28-630	27x1-1/8	2155
32-630	27x1-1/4	2161
37-630	27x1-3/8	2169
40-584	27.5x1.50	2079
50-584	27.5x1.95	2090
54-584	27.5x2.1	2148
57-584	27.5x2.25	2182
18-622	700x18C	2070
19-622	700x19C	2080
20-622	700x20C	2086
23-622	700x23C	2096
25-622	700x25C	2105
28-622	700x28C	2136
30-622	700x30C	2146
32-622	700x32C	2155
700C Tubular		2130
35-622	700x35C	2168
38-622	700x38C	2180
40-622	700x40C	2200
42-622	700x42C	2224
44-622	700x44C	2235
45-622	700x45C	2242
47-622	700x47C	2268
54-622	29x2.1	2288
56-622	29x2.2	2296
60-622	29x2.3	2326

Trip time (Ride time)

format HH:MM:SS

Trip distance (DIST)

measured in km or mile (according the settings)

Average speed (AVG-S)

measured in km/h or mph (according the settings)

Maximum speed (MAX-S)

measured in km/h or mph (according the settings)

Current temperature (TEMP)

displayed in preferred unit - °C or F. Press the SET button to choose.

stopwatch

Press [SET] start stopwatch, then [SET] key stopwatch once stopped, press [SET] key for 2 seconds stopwatch numerical reset.

Count range: 00:00:00~59M:59S:99H59M59S
Within one hour with 1/100second

TOT DIST

Total distance ridden from last reset. If you wish to reset this value you must take the battery out of its compartment.

TOT TIME

Total trip time from last reset, if you wish to reset this value you must take the battery out of its compartment.

Trip memory

The memory saves data recorded in last 7 days. To list between the days press SET. Displayed data as follows: date, AVS, MXS, RTM and DST (rotating automatically).

SCAN

Automatic rotation of selected values: RTM, DST, AVS, MXS and ODO.

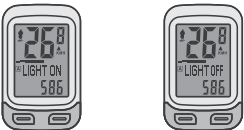
Comparison of current and average speed

An arrow in the right top corner indicates whether you are riding faster or slower than your average speed.

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Backlight

In any MODE and hold [SET]+[MODE], shows the LIGHT ON or LIGHT OFF, when in LIGHT ON mode, press any key the backlight on 3 seconds, when the LIGHT OFF mode, closing the backlight.



Data reset

You can reset following values RTM, DST, AVS and MXS, CO2, CALORIE. Each one individually or all together. INDIVIDUAL - just press and hold SET button. On the display will flash RESET for 2 times. Reset is done. All RESET - it can be done consequently after the individual reset. Press the SET button again and hold. After 2 flashes the ALL RESET is done. ODO, memory and clock cannot be reset.



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Auto stop/press any key to switch on

1. The computer will enter rest state after 4 minutes if not receiving speed signal, "SPD" and speed numerical value are not shown.
2. During rest state, it will be automatic startup if there is signal.

Replace battery

1. All the data in computer are removed after replacing the battery.
2. ODO can be reset, recording ODO numerical value before replacing battery.
3. Batteries should be disposed in compliance with local regulations.

NOTE

1. This bicycle computer is water-resistan (IPX6), it can be used light rain. During heavy rain, it's recommended to store computer on dry place. In case of water ingress replace the battery and dry computer slowly on warm, dry place (do not use hairdryer).
2. Do not expose computer to the direct sunlight or high temperatures for long time.
3. Check regularly the distance between sensor and magnets.
4. Don't use alcohol, thinner or other organic solvent to clean bicycle computer and its accessories.
5. Always pay attention to the road and traffic while riding.
6. Never disassemble the computer or it's accessories.
7. Wireless interference may occurs near:
 - Smart phones, PCs, TVs, charging USB Power banks, battery lights, other wireless devices, high voltage waves, railroad crossings, radar bases etc.

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6 TROUBLE SHOOTING

Problems	Reasons	Solution
Display slowly update	Climate temperature is low	Place it in normal temperature
No display, dark or badly readable.	1. Low level battery 2. Battery is fixed backwards 3. Computer has been exposed to high ambient temperature or direct sunlight.	1. Replace battery 2. Install battery correctly. 3. Place the computer in a lower ambient temperature environment.
No speed display of faulty display	1. Computer is under set up status 2. Distance between speed sensor and magnet seat correct or not 3. Check wheel circumference is correct or not 4. If transmitting distance is too long or angle is incorrect 5. Possible wireless signal interference caused by electromagnetic waves (description in notes - 7/page 13) near the computer.	1. Set up adjust procedure 2. Refer to installation to adjust position. 3. Setting adjustment numerical value referring to wheel 4. Adjust distance and angle per installation manual 5. Place computer far from the source of electromagnetic waves.
Malfunction display		Set up again referring to setup manual

Specifications

Speed sensor: non-contact type magnetic sensors

Battery Type: 1X 3V CR 2032 battery

Battery Life (Model No. CR2032) is approximately 1.5 years (based on two hours of daily riding)

Wireless transmission: 125KHZ low-frequency transmission

Size and weight:

39110-39111/39121-39123: 56x44x18mm/ 25g

39140-39146: 61x44x18mm/ 30g

The wheel circumference input Unit: mm

Operating speed: 0°C ~ 50°C Celsius

Measured data

Current speed

Maximum speed

Average speed

Trip distance A

Trip distance B

Total distance

Elapsed time

Clock time

WARRANTY

Warranty does not apply to damage due to high and low temperatures, physical damage resulting from abuse, improper repair, improper fit, alterations of the fixture or improper use. The current version of the manual and declaration of conformity can be found on the website www.FORCE.BIKE



FORCE.BIKE

