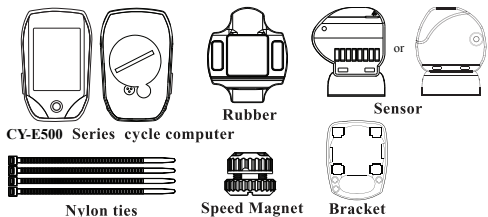# Cycle Computer CY-E500 Series
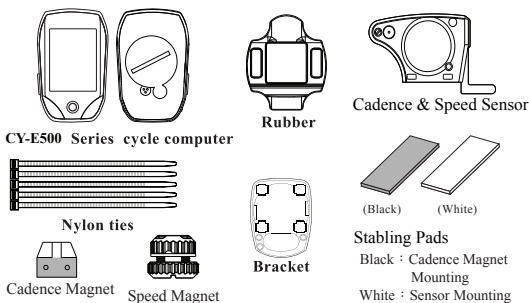
E512, E516T, E518T, E517C, E520C, E523A, E526AC

E512, E516, E518T, E523A
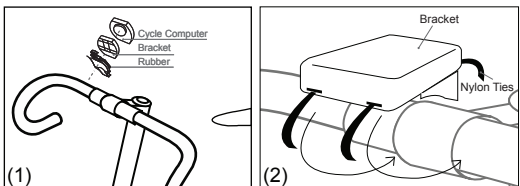
Please check that all the following items have been included before starting.

CY-E500 Series cycle computer · **Rubber** · or · **Sensor**

Nylon ties · **Speed Magnet** · **Bracket**

E517C, E520C, E526AC

CY-E500 Series cycle computer · **Rubber** · **Cadence & Speed Sensor**

Nylon ties · (Black) (White)

Cadence Magnet · **Speed Magnet** · **Bracket**

Stabling Pads
Black：Cadence Magnet Mounting
White：Sensor Mounting

How to mount the bracket

Bracket
Cycle Computer
Bracket
Rubber
Nylon Ties

(1) (2)

Use the rubber to tighten the bracket to the handlebar or stem with the nylon ties.

(3)
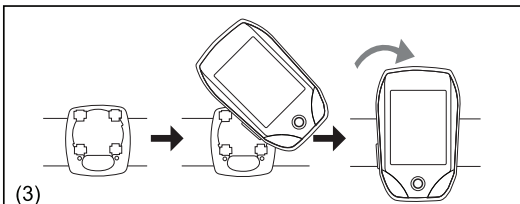
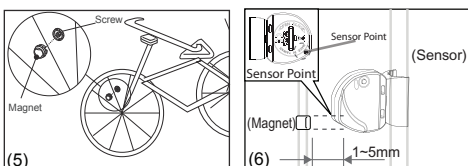Place the cycle computer on the bracket and secure it in clockwise.

How to mount the Speed Sensor   E512, E516, E518T, E523A

Check the position of the front fork to find the suitable point to attach the speed sensor.
The distance between cycle computer & the speed sensor would be with 60 cm.

Sensor
max 30°
max 60cm

(4)
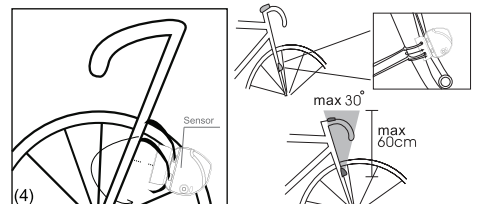
Mount the sensor with nylon ties on the chosen front fork.

How to mount the Magnet

Screw
Sensor Point
Magnet
(Sensor)
Sensor Point
(Magnet)
1~5mm

(5) (6)

Secure the Speed Magnet on the spoke of the front wheel with screw.
Make sure the magnet side faces the speed sensor zone.
The maximum distance between the speed sensor and the magnet on the spoke is 5 mm.
Once above items are in the right position, the user may go for a ride.
Note: Please make sure everything has been setup correctly before riding the bicycle.

Installing the Cadence & Speed Sensor   E517C, E520C, E526AC

Cadence Sensor
Speed Sensor
Nylon Ties
Stabling Pads (White)
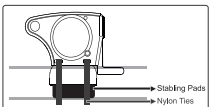
(4) (5) Approx. 150cm.

Mount the sensor on top of the left chain stay with long nylon ties, make sure the cadence side face the front and speed side face the back. The distance between the sensor and the cycle computer would approximately be 150 cm.
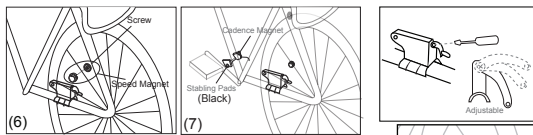
*NOTE: 1. The stabling pad has to be precisely secured under the sensor.
2. Nylon ties have to be exactly and solidly bond on the stabling pad.
3. Without proper bind, cadence sensor may be crashed by the spoke of back freewheel.

How to mount the Magnet

Screw
Cadence Magnet
Speed Magnet
Stabling Pads (Black)
Adjustable
~5mm
Green light
Speed sensor
Cadence sensor

(6) (7)

Secure the Speed Magnet on the spoke of the back wheel with screw. Make sure the magnet side faces the speed sensor zone. The maximum distance between the speed sensor and the magnet on the spoke is 5 mm.

Secure the Cadence Magnet on the inner side of crank and make sure the magnet side faces the cadence sensor zone. Please use black stabling pad for cadence magnet mounting. The maximum distance between the cadence sensor and the magnet on the crank is 5 mm.
Once above items are in the right position, the user may go for a ride.
Note:
Initial flashing green light indicates the sensor detected magnet signals normally.
Please make sure everything has been setup correctly before riding the bicycle.

Find out the wheel size

Wheel Circumference
To get the accurate result, the wheel size should be correct Mark the symbol on the tire and ride one circle. Then measure the length between two points to get the circumference. Or the user can also get wheel circumference by the following equation:
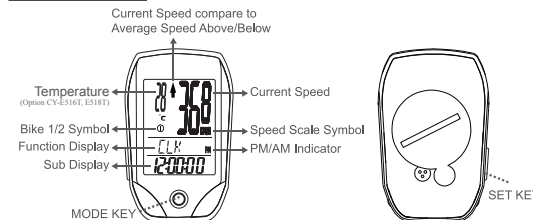
$$\text{Circumference(mm)} = 2 \times 3.14 \times R(inch) \times 2.54 (1 \text{ inch} = 2.54 \text{ cm})$$
R=Radius in centimeter

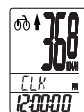The user can refer the **"wheel size chart"** for the wheel size
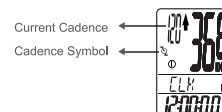
The cycle computer main display and Key function   E516T, E518T, E523A
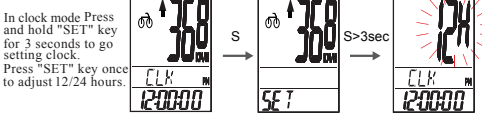

Current Speed compare to Average Speed Above/Below

Temperature (Option CY-E516T, E518T)
Bike 1/2 Symbol
Function Display
Sub Display

Current Speed
Speed Scale Symbol
PM/AM Indicator

MODE KEY
SET KEY

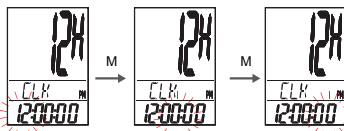### E512   E517C, E520C, E526AC

Current Cadence
Cadence Symbol

Mode Change   Press Mode key shortly to change mode.

CLK MODE (Clock)
TM MODE (Trip Time)
AVS MODE (Average Speed)
MXS MODE (Max Speed)
DST MODE (Trip Distance)
DAILY MODE (Daily Distance) (Except E512)
ODO 1 MODE (Total Distance Bike1) (Except E512, E517C)
ODO 2 MODE (Total Distance Bike2) (Except E512, E517C)
ODO MODE (Total ODO)

A. CAD MODE (Average Cadence) (Option in E517C, E520C, E526AC)
M. CAD MODE (Max Cadence) (Option in E517C, E520C, E526AC)
A. ALT MODE (Average Altitude) (Option in E523A, E526AC)
M. ALT MODE (Max Altitude) (Option in E523A, E526AC)
T. CLIMB MODE (Trip Climb Mode) (Option in E523A, E526AC)
T. ALT1 MODE (Total Altitude Bike1) (Option in E523A, E526AC)
T. ALT2 MODE (Total Altitude Bike2) (Option in E523A, E526AC)
T. ALT (Total Altitude Mode) (Option in E523A, E526AC)
KCAL MODE (Calories Mode) ➡ AUTO SCAN (Except E512, E516T)

CLK Mode

In clock mode Press and hold "SET" key for 3 seconds to go setting clock.
Press "SET" key once to adjust 12/24 hours.

S S>3sec

Press "MODE" key to adjust time (hour, minute and second).

M M

Hold "MODE" key for 3 seconds to go back to Clock Mode once the setting is finished.

TM MODE (Trip Time Mode)

Trip Timer would operate automatically when the bike is in motion.
How to reset all data (Kcal, TM, AVS, MXS, DST)
Press and hold "SET" key for 3 seconds, all exercises results in displayer will return to zero, except odometer.
Note: If trip time runs over 30 hours, the display will repeatedly flash for 5 seconds and return to zero.
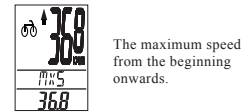

S S>3SEC
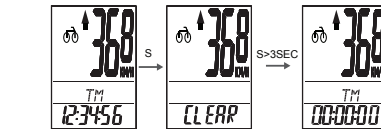
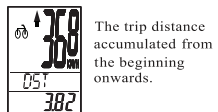## AVS MODE (Average Speed Mode)
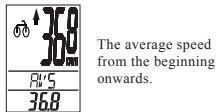
The average speed from the beginning onwards.
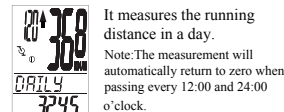
MXS MODE (Maximum Speed Mode)

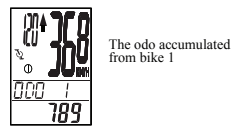The maximum speed from the beginning onwards.

DST MODE (Distance Mode)

The trip distance accumulated from the beginning onwards.

DAILY MODE (Daily Distance)   (Except E512)

It measures the running distance in a day.
Note: The measurement will automatically return to zero when passing every 12:00 and 24:00 o'clock.

ODO 1 Mode   (Except E512, E517C)

The odo accumulated from bike 1

ODO 2 Mode   (Except E512, E517C)

The odo accumulated from bike 2

ODO (Total Odometer Mode)

Note: Odometer mode will return to zero after changing new battery.
Under ODO Mode, press "SET" key for 3 seconds to go to setting.
Press "SET" key again to select Km/H or Mile/H, press "MODE" key to go to Bike1&Bike2 Setting, then press "SET" key to select Bike1 or Bike2.
Press "MODE" key to go to Wheel Settings. Input the correct wheel size by pressing "SET" key, the range of wheel size from 100mm to 2,999mm.
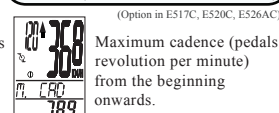Press "MODE" key to go to temperature scale setting, Press "SET" key to select °C or °F.

S S>3SEC M M
M>3SEC M M
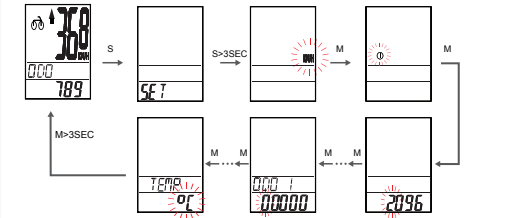
A. CAD (Average Cadence Mode)   (Option in E517C, E520C, E526AC)
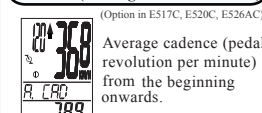
Average cadence (pedals revolution per minute) from the beginning onwards.

M. CAD (Maximum Cadence Mode)   (Option in E517C, E520C, E526AC)

Maximum cadence (pedals revolution per minute) from the beginning onwards.

## T. CLIMB MODE (Trip Climb Mode)   (Option in E523A, E526AC)

It indicates the current climbing value for the trip.
How to clear the climbing value
Under the T. CLIMB mode, press "SET" for 3 seconds to clear the data.
The display will show CLEAR and automatically return to zero after 3 seconds

S S>3SEC

T. ALT MODE (Total Altitude Mode)   (Option in E523A, E526AC)

It displays the total altitude value of bike1 + bike2
How to adjust actual altitude
Under T. ALT. mode, press "SET" key for 3 seconds to go to altitude setting.
Input the actual altitude data by pressing "SET" key.
Press "MODE" key to go to home altitude setting,
Input the home altitude data by pressing "SET" key.
Press "MODE" key to go to altitude bike1 setting,
Input the altitude bike1 data by pressing "SET" key.

Press "MODE" key for 3 seconds back to T. ALT. Mode.

S S>3SEC M M
M>3sec M M M M
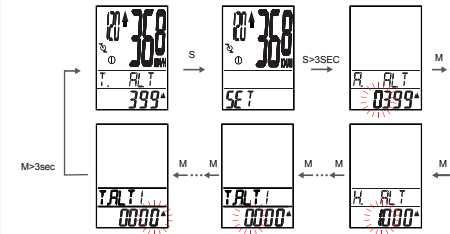
Home Setting   (Option in E523A, E526AC)

It features and indicates the actual altitude of your start location.
In any mode, press and hold both "SET" key and "MODE" key for 6 seconds to automatically set default data of altitude. **Note:** keep pressing and hold both "SET" key and "MODE" key for another 3 seconds to automatically go to ID scan.

KCAL MODE (Calories Mode)

It displays the accumulated calories consumed from the beginning of the trip onwards.
How to input gender, weight scale and weight.
Press "SET" key for 3 seconds to go to KCAL setting. Press "SET" key again to select Kg or Lb.
Press "MODE" key to go to weight setting, Input your weight by pressing "SET" key.
Press "MODE" key to go to gender setting, Press "SET" key to select Female or Male.

Press "MODE" key for 3 seconds back to KCAL MODE.

S S>3SEC M M
M>3SEC
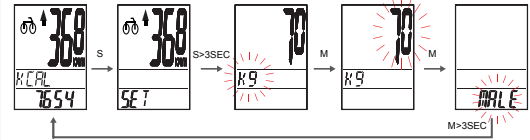
It features avoidance of accidental activation of other functions.The cycle computer will automatically enter into Sleep and Key Lock Mode after 6 minutes if no signals received. Shortly press "SET" key to unlock Key Mode.

BACKLIGHT

The user can press "SET" key at any time to activate the BACKLIGHT, the BACKLIGHT will de-activate itself automatically after 4 seconds.

How to ID scan? (Option in Digital Coded Cycle Computers)

The code of ID will be automatically stored without scanning after batteries changed.
ID scan takes place when sensors are changed or signals from sensors are not received.
In any mode, press and hold both "SET" key and "MODE" key for 3 seconds to go to ID scan mode.
Under ID scan mode, press "SET" key to automatically pair the sensor.
If the scan was unsuccessful, the display will show Err, Please press "SET" key to pair again.
Note: If cycle computers equipped with altimeter functions, please keep pressing for another 3 seconds for ID scan after home setting.
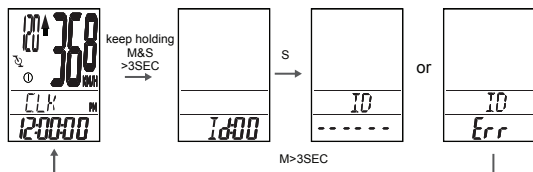
TROUBLESHOOTING

If the display appears Err01, means the cycle computer is running out of electricity. Please replace it with a new battery (CR2032)
It shows 2 seconds every minute.

If the display appears Err02, means the speed sensor is running out of electricity. Please replace it with a new battery (CR2032)
It shows 2 seconds every minute. (Option in Digital Coded Cycle Computers)

If the display appears Err03, means the cycle computer and speed sensor are running out of electricity at the same time. Please replace both with a new battery (CR2032)
It shows 2 seconds every minute. (Option in Digital Coded Cycle Computers)

NO signal in 6 minutes the computer will go into rest mode. After 5 times of rest mode the 6th time the computer will go to SLEEP mode.

Q1. Display is black or very light:
The battery power may be low. Try a new battery to make sure the battery is installed correctly
Q2. Display becomes dark or black:
The unit is too hot .Place the unit in a shaded area ,and it will return to normal.
Q3. The unit operates slowly or struggled:
The unit is too cold. Warm the unit, and it will return to normal.
Q4. Data in display varies enormously:
Check the surroundings for electro magnetic or high energy interference and move away from the source of interference.
Q5. Data in display shows slowly:
The unit may be affected by low temperature factor but it didn't influence the function reading. When the temperature rises, the data reading/ witch will back to the normal.
Q6. Current speed does not appear
It may be caused by the following situation: the distance & position between magnet and sensor to adjust.

Option in Digital Coded Cycle Computers
If the display appears Err01, means the cycle computer is running out of electricity
Please replace it with a new battery (CR2032)

SPECIFICATIONS

	Receiver	Speed Sensor
Operating Temperature	0℃ ~ 40℃	
Storage Temperature	-10℃ ~ 50℃	
Emitted Frequency	N/A	433M ± 40KHz
Battery	3 volt lithium 2032 cell	
Weight	30.6 grams	20 grams

Timer Range: 0~29 (hour): 59 (minute): 59 (Second)
Current Speed Range: 0~99.9 KM/ 0~62.4 Mile
average Speed Range: 0~99.9 KM/ 0~62.4 Mile
MAX Speed Range: 0~99.9 KM/ 0~62.4 Mile
(Trip) Distance Range: 0~999.99 KM/0~624.99 Mile
Odometer Range: 0~99999 KM/ 0~62499 Mile
KCAL: 0~99999 kcal
CAD Range : 0~255

Battery Replacement

CY-E500 Series computer
Unscrew the back cover. The (+) side should be facing up.
Gently remove the battery and replace it with a new battery model CR2032.
Sensor
Unscrew the back cover. The (+) side should be facing up.
Gently remove the battery and replace it with a new battery model CR2032.

MAINTENANCE

When E500 faces interferences by other device. It shows Err in the middle column.

CY-E500 Series cycle computer
Due to it's Touch feature, there is a reminder for cycling with gloves. Please use the flimsy gloves to avoid irresponsive.
There will have a rattle sound when vibrating. It is a part for Auto Start function.
It is a normal reaction.

If the display contrast changes and figures become faint, it's time to replace the battery. Consider changing the computer sensor and transmitter batteries at the same time.
Note:
Do not expose CY-E500 Series computer to extremely cold or hot temperatures i.e. don't leave the unit in direct sunlight for extended period of time.
Please leave the computer for 6 seconds when temperature difference between ±5˚c.
Due to it's water resistance feature, do not press key frequently in raining day.

Sensor
Check the position of sensor and magnet periodically. For correct measurement, the sensor magnet should not get wet/ rust, otherwise it may cause function error.

Bracket / Magnet / Sensor band
These items can be rinsed in surface fresh water or washed with a mild soap.

LIMITED WARRANTY

This product is for one year limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for one year from the date of purchase.

○ Warranty does not cover the batteries, damages due to misuse, abuse or accidents, cracked or broken cases, negligence of precautions, improper maintenance or commercial use.
○ Warranty is void if the repairs are done by non authorized service technician.
○ The warranties contained herein are expressly in lieu of any other warrantiesincludingimplied warranty of merchantability and/ or fitness for purpose. In no event shallmanufacturer be liable for any damages, direct or incidental, consequential or special,arising out of or related to the use of this manual or the products described herein.
○ During this warranty period(one year)the product will either be repaired or replaced without charge.

Important Health Notice!!

Please read over the following information before using the Cycle Computer.
○ Never use the cycle computer in combination with other medical/implanted electronic equipment and device (especially heart pacemakers, EKG equipment, TENS equipment, cardio-pulmonary machines and pacemaker).
○ If you are severely ill or pregnant, please consult your doctor before using cycle computer.
○ Keep this device away from children. It contains batteries, which might be swallowed by children.
○ As with most electronic receiving devices, there can sometimes be interference that causes inaccurate display readouts. Avoid using your cycle computer near common sources of interference. These include high voltage power lines, air conditioning motor units, fluorescent lights, wristwatches, mobiles and computers.

Wheel Size Chart

Tire Scale	L(mm)	Tire Scale	L(mm)
14 x 1.50	1020	26 x 2.10	2068
14 x 1.75	1055	26 x 2.00	2055
16 x 1.50	1185	26 x 2.10	2068
16 x 1.75	1195	26 x 2.125	2070
18 x 1.50	1340	26 x 2.35	2083
18 x 1.75	1350	26 x 3.00	2170
20 x 1.75	1515	27 x 1	2145
20 x 1-3/8	1615	27 x 1-1/8	2155
22 x 1-3/8	1770	27 x 1-1/4	2161
22 x 1-1/2	1785	27 x 1-3/8	2169
24 x 1	1753	27.5 x 2.10	2170
24 x 3/4 Tubular	1785	27.5 x 2.30	2202
24 x 1-1/8	1795	29 x 2.10	2288
24 x 1-1/4	1905	29 x 2.30	2326
24 x 1.75	1890	650 x 35A	2090
24 x 2.00	1925	650 X 38A	2125
24 x 2.125	1965	650 X 38B	2105
26 x 7/8	1920	700 X 18C	2070
26 x 1(59)	1913	700 X 19C	2080
26 x 1(65)	1952	700 X 20C	2086
26 x 1.25	1953	700 X 23C	2096
26 x 1-1/8	1970	700 X 25C	2105
26 x 1-3/8	2068	700 X 28C	2136
26 x 1-1/2	2100	700 X 30C	2146
26 x 1.40	2005	700 X 32C	2155
26 x 1.50	2010	700C Tubular	2130
26 x 1.75	2023	700 X 35C	2168
26 x 1.95	2050	700 X 38C	2180
26 x 2.00	2055	700 X 40C	2200

MADE IN TAIWAN

CE