Introduction

Thank you for purchasing the CATEYE V3.

The V3 is a high-performance computer for riders who wish to train extensively and analyze their data.

2.4GHz-frequency digital wireless technology, which is the same technology used for wireless LAN, is used for both the speed/cadence integrated speed sensor and the heart rate sensor. This technology practically eliminates interference from external noise and cross-talk with other wireless computer users, providing you with stress-free riding.

Read this instruction manual thoroughly and understand the functions of the computer before using it.

Keep it in a safe place for future reference.

Important

- Always follow the sections that are marked with " Warning !!! ".
- No part of this manual may be reproduced or transmitted without the prior written permission of CatEye Co., Ltd.
- The contents and illustrations in this manual are subject to change without notice.
- If you have any questions or concerns about this manual, please contact CatEye at www.cateye.com.

About the manuals

Basic installation and operation

Please go here for installation of the unit on the bicycle, use of the heart rate measurement function, preparing the computer, and the basic operation of the product.

- 1. How to install the unit on your bicycle See page 6-8
- 2. Heart rate sensor See page 9
- 3. Preparing the computer See page 10-15
- 4. Basic operation of the computer See page 16-17

Measurement screen

Please go here to learn how to operate the computer functions.

Measurement screen See page 18-22

Ride data review

Changing computer configuration

Please go here for changing and checking each menu items.

• Changing the computer configuration See page 23-34

Advanced use

- Recording lap and split time data See page 20 "Lap function"
- Training with target heart rate zones See page 37

"Use of the target zone"

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Proper use of the CatEye V3

Observe the following instructions for safe usage.

The meaning of icons in this manual:

Warning!!! : Sections marked with these icons are critical for safe use of the device. Be sure to follow these instructions. **Caution**:

- Important cautionary notes on the use and operation of the V3.
 - * Helpful tips are highlighted with asteriks.

Warning!!! :

- Pace maker users should never use this device.
- Do not concentrate on the data while riding. Always be sure to ride safely.
- Do not leave any battery within the reach of children, and dispose of them correctly. If a battery is swallowed, consult a doctor immediately.

Caution:

- Regularly check the positions of the magnets and the speed/cadence sensors and make sure that they are securely mounted. Tighten it firmly if there is any looseness.
- Avoid leaving the main unit / wireless sensor in direct sunlight for extended periods of time.
- Do not disassemble the computer, heart rate sensor, or speed sensor.
- Do not subject the computer, heart rate sensor, or speed sensor to strong impact; take care also to prevent any of them from falling.
- Do not use paint thinner or rubbing alcohol to clean the unit.
- Stop using the unit if you have skin irritation with the HR strap or electrode pad.
- Do not twist or pull strongly the heart rate sensor.
- The heart rate sensor may deteriorate due to long-term use. Replace the heart rate sensor if it has frequent measurement errors.
- As a nature of liquid crystal displays, sunglasses with polarized lens may block the visibility.

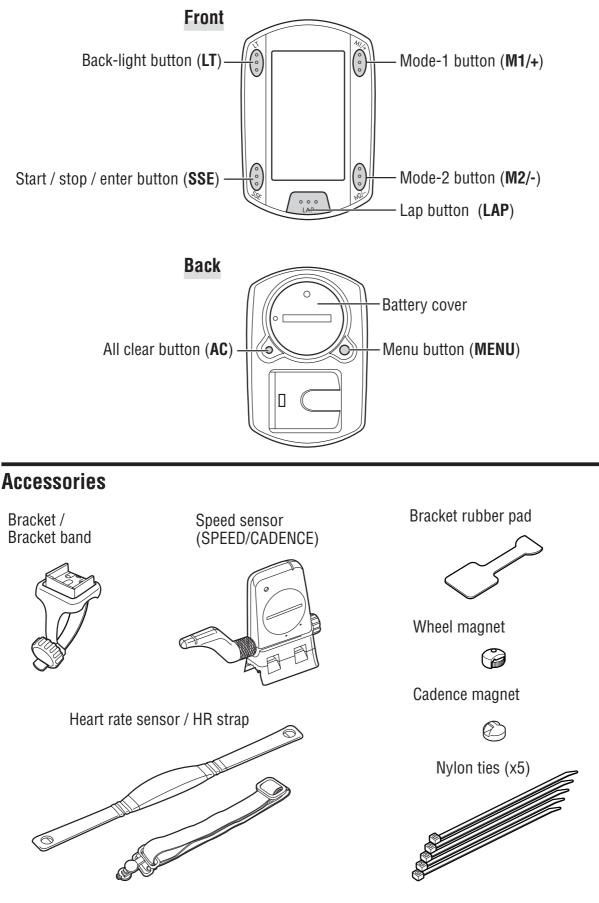
2.4GHz digital wireless system

2.4GHz-frequency digital wireless technology, which is the same technology used for wireless LAN, is used for both the speed/cadence integrated speed sensor and the heart rate sensor. This technology practically eliminates interference from external noise and cross-talk with other wireless computer users, and enables to store highly reliable data. However, in a very rare occasions, objects and places may generate strong electromagnetic waves and interference, which may result in incorrect measurement:

- TV, PC, radios, motors/engines, or in cars and trains.
- Railroad crossings and near railway tracks, around television transmitting stations and radar bases.
- Other wireless computers or digitally controlled lights.

Description of computer and its parts

Computer



Screen display

$\widehat{\boldsymbol{\mathfrak{S}}}$: Speed sensor signal

Indicate Speed sensor signal status. (page 15)

\land : Alarm

Lights up when the HR alarm sound feature is turned on.

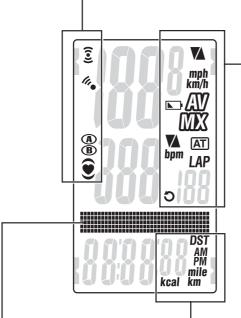
(A) (B): Wheel selection Displays the wheel currently selected.

• : Heart rate sensor signal

Indicate Heart Rate sensor signal status. (page 15)

💽 : Target zone

Lights up when the target zone is on, and flashes when it is out of the zone.



Dot display

Mainly displays mode descriptions for the values displayed just below.

Speed pace arrow

The pace arrows show whether the current speed is faster (\blacktriangle) or slower (\triangledown) than the average speed.

km/h mph:Speed unit

Flashes while speed measurement is in progress.

▶ : Low battery indicator

Lights up when the remaining battery capacity for the computer is low.

AV : Average display

Lighting up displays that the speed, heart rate, and cadence displays are average values.

MX : **Maximum value display** Lighting up displays that the speed, heart rate, and cadence displays are maximum values.

🚺 : Heart rate pace arrow

The pace arrows show whether the current heart rate is faster (\blacktriangle) or slower (\triangledown) than the average heart rate.

bpm : Heart rate unit

AT : Auto-mode

Lights up when the auto-mode function is on.

LAP : Lap icon

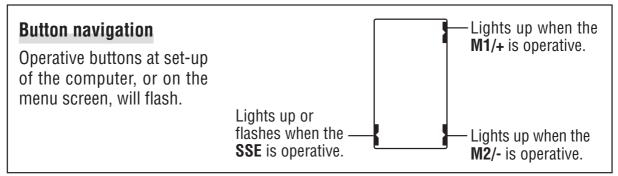
Lights up while the lap data is displayed.

O : Cadence sensor signal

Indicate Cadence sensor signal status. (page 15)

- Selected data icon/unit

Displays together with the data currently displayed in the lower display.



How to install the unit on your bicycle

1. Attach the bracket to the stem or handlebar

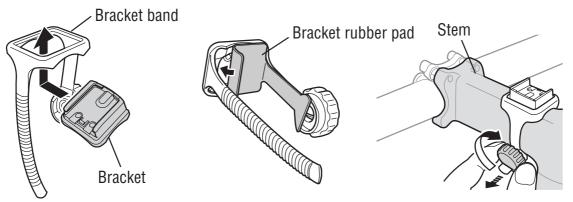
The Flex Tight $^{\text{TM}}$ bracket can be attached to either the stem or the handlebar depending on how the bracket and band are configured.

Caution:

Tighten the dial on the bracket band by hand only. Over-tightening can damage the screw threads.

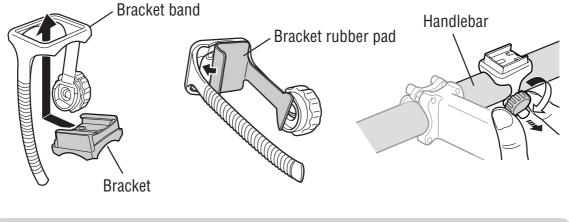
When attaching the Flex Tight [™] bracket to the stem

* Attach the bracket with its open end facing to the right.



When attaching the Flex Tight ™ bracket to the handlebar

* Attach the bracket with its open end facing to the right.





Cut extra length of the band with scissors.

Caution:

Round off the cut edge of the bracket band to prevent injury.

ENG

Wheel magnet Speed sensor Cadence magnet Speed sensor 2-1. Temporarily secure the speed sensor Locate the speed sensor on the left chain stay as shown above, and loosely secure it with the nylon ties. * Do not tighten the nylon ties completely at this stage. Once a nylon tie is tightened, it cannot be pulled out. Nylon ties 2-2. Mount the magnet 1. Loosen the setscrews both on the SPEED side Wheel and CADENCE side of the speed sensor, and turn magnet the sensor to the angle as shown on the right. Setscrew on the 2. Temporarily secure the wheel magnet to the **CADENCE** side spoke so that it faces the sensor zone on the SPEED side. 3. Temporarily secure the cadence magnet inside Sensor zone the crank with nylon ties, so that it faces the Sensor zone sensor zone on the CADENCE side. * When the speed sensor is not positioned appropriately in respect to the two magnets (in both Steps 2 and 3), move the speed sensor back Setscrew on the and forth so that it is positioned properly. SPEED side After you move the speed sensor, adjust the Cadence position so that the two magnets face the relmagnet evant sensor zone. Nylon ties 4. After adjustment, tighten the nylon ties firmly to secure the speed sensor.

Continue

ENG-7

2. Mount the speed sensor and magnet

2-3. Adjust the distance to the magnet

- Adjust the distance between the wheel magnet and the SPEED side of the speed sensor to be about 3 mm. After adjustment, tighten the setscrew on the SPEED side.
- 2. Adjust the distance between the cadence magnet and the CADENCE side of the speed sensor to be about 3 mm. After adjustment, tighten the setscrew on the CADENCE side.
 SPEED Wheel magnet

Cadence magnet

2-4. Securing various parts

Tighten the speed sensor, setscrew, and magnet firmly, and check for any looseness.

* For steel axle pedals, cadence magnet can be compacly installed onto the end face of the pedal axle. Make sure to remove the doublesided tape from the magnet when doing this.

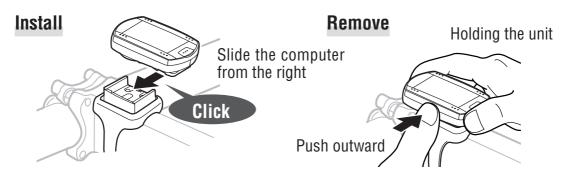


About 3 mm

3. Remove/Install the computer

Caution:

When removing, hold the unit to prevent it from falling.



Heart rate sensor

Heart rate is measured when the heart rate sensor is worn on the chest.



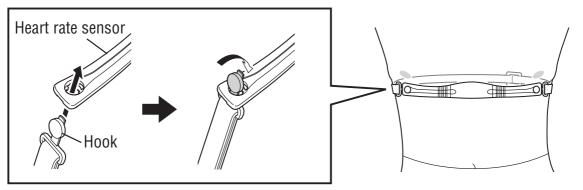
Before wearing the heart rate sensor

🛆 Warning!!! :

This product must NOT be used by those who have a pacemaker.

- To avoid measurement errors, it is recommended to moisten the electrode pads with water.
- If your skin is ultra-sensitive, the electrode pad may be moistened with water and worn on a thin undershirt.
- Chest hair may interfere with the measurement.

Wearing the heart rate sensor



- 1. Insert the HR strap hook to a hole on the heart rate sensor, and push it until it clicks.
- 2. Wear the heart rate sensor with the HR strap, and adjust the length of the HR strap to fit your chest size (under bust). Fastening the strap too tightly may cause discomfort.
- 3. Insert the HR strap hook to another hole on the heart rate sensor, and push it until it clicks.
- 4. For removal, hold near the hole on the heart rate sensor and the hook, and twist off.
- * Ensure that the rubber part of the electrode pad is in direct contact with the body.
- * When your skin is dry, or wearing the heart rate sensor on top of your undershirt may produce measurement errors.

To avoid errors, moisten the rubber part of the electrode pad.

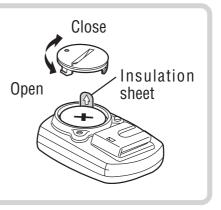
Preparing the computer

Computer's basic items must be set up before using it.

Removing the insulation sheet

When using the unit for the first time after purchasing, open the battery cover and remove the insulation sheet.

* After you remove the insulation sheet, replace the battery cover in place.

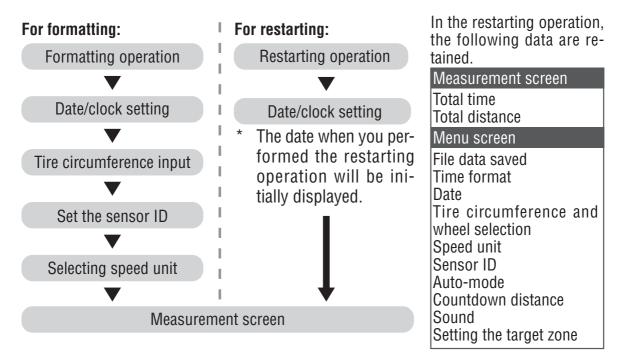


Flow of set-up

There are 2 different set-up operations:

- Formatting operation: At initial purchase, or reset all to default.
- Restarting operation: When you replace batteries, or an error is displayed.

Each operation has a different flow of set-up.

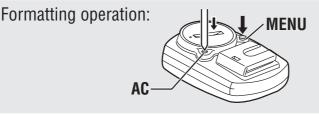


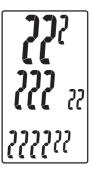
* If mistake was made or "**ID-ERROR**" showed in the initial set up, go through the full initial set up steps first, and all corrections can be made afterwords through Menu screens. (page 23)

1. Formatting/Restarting operation

Formatting operation (At initial purchase, or reset all to default.) **Caution:** All data are reset to the default and deleted.

 While pressing the MENU button on the back of the computer, press AC button. Release the MENU button when a test pattern is displayed on the screen. The date/clock setting screen appears. Continue with date/clock setting.





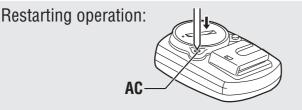
After a test pattern is displayed, all screen items light up.

* When all screen items light up without any test pattern displayed on the screen, the formatting operation has not been completed properly. Perform the formatting operation again.

Restarting operation (When you replace batteries, or an error is displayed.)

1. Press the **AC** button on the back of the computer. After all screen items light up for a second, the date/clock setting screen appears.

Continue with date/clock setting.





All screen items light up (for a second).

* Most of the settings and file data saved are retained for the restarting operation (see chart on page 10).

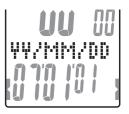
2. Date/Clock setting

Set the current date and time.

 Select the date display format. Select the date display format from "YY/MM/DD", "MM/DD/ YY", and "DD/MM/YY" using the M1/+ and M2/- buttons, and confirm with the SSE button.

Switch the display: (or)

Confirm:





2. Enter the "Year", "Month" and "Day." Enter the "Year", "Month" and "Day" in the display order selected in Step 1 using the M1/+ and M2/- buttons, and confirm with the **SSE** button. Enter the last 2 digits of the year.

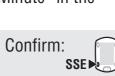
Increase/decrease: ₹M1/+ Confirm: (or) **SSE**▶

3. Select the clock display format. Select "24h (24 hour)" or "12h (12 hour)" using the M1/+ and M2/- buttons, and confirm with the SSE button.

4. Enter the "Hour" and "Minute." Enter the "Hour" using the M1/+ and M2/- buttons, confirm with the **SSE** button, and then enter the "Minute" in the same way.

Increase/decrease: M1/+

```
M2/- (or)
```



SSE►

SSE►

Confirm:

Hour Minute

Display format

5. After you set the date/clock, press the **MENU** button to proceed to the next set up item.

For the formatting operation: To the "Tire circumference input" screen below For the restarting operation: To the measurement screen and ready for use



3. Tire circumference input

Enter the tire circumference of the bicycle wheel in millimeter.

1. Enter the last 2 digits of the tire circumference. Enter using the **M1/+** and **M2/-** buttons, and move digits using the **SSE** button. Then, enter the first 2 digits in the same way.



2. After completed, press the **MENU** button to proceed to "Set the sensor ID" below.

To "Set the sensor ID": MENU (Back)

Tire circumference

You can find the tire circumference (L) of your tire size in the chart below, or actually measure the tire circumference (L) of your bicycle.

How to measure the tire circumference (L)

For the most accurate measurement, do a wheel roll out. With the tires under proper pressure, place the valve stem at the bottom. Mark the spot on the floor and with the rider's weight on the bike, roll exactly one



wheel revolution in a straight line (until the valve comes around again to the bottom). Mark where the valve stem is and measure the distance in millimeter.

* For your reference, use the tire circumference chart below.

Tire size	L (mm)	Tire size	L (mm)	Tire size	L (mm)
12 x 1.75	935	26 x 1(59)	1913	650 x 20C	1938
14 x 1.50	1020	26 x 1(65)	1952	650 x 23C	1944
14 x 1.75	1055	26 x 1.25	1953	650 x 35A	2090
16 x 1.50	1185	26 x 1-1/8	1970	650 x 38A	2125
16 x 1.75	1195	26 x 1-3/8	2068	650 x 38B	2105
18 x 1.50	1340	26 x 1-1/2	2100	700 x 18C	2070
18 x 1.75	1350	26 x 1.40	2005	700 x 19C	2080
20 x 1.75	1515	26 x 1.50	2010	700 x 20C	2086
20 x 1-3/8	1615	26 x 1.75	2023	700 x 23C	2096
22 x 1-3/8	1770	26 x 1.95	2050	700 x 25C	2105
22 x 1-1/2	1785	26 x 2.00	2055	700 x 28C	2136
24 x 1	1753	26 x 2.10	2068	700 x 30C	2146
24 x 3/4 Tubular	1785	26 x 2.125	2070	700 x 32C	2155
24 x 1-1/8	1795	26 x 2.35	2083	700C Tubular	2130
24 x 1-1/4	1905	26 x 3.00	2170	700 x 35C	2168
24 x 1.75	1890	27 x 1	2145	700 x 38C	2180
24 x 2.00	1925	27 x 1-1/8	2155	700 x 40C	2200
24 x 2.125	1965	27 x 1-1/4	2161	29 x 2.1	2288
26 x 7/8	1920	27 x 1-3/8	2169	29 x 2.3	2326

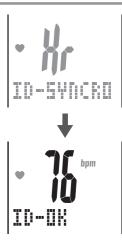
4. Set the sensor ID

Set the heart rate sensor ID and the speed sensor ID.

- * This unit requires the sensor ID in order for the computer to receive signal from the sensors.
- * To check the sensor ID, heart rate sensor must be worn properly (page 9), and be within 5 m from the bicycle with a speed sensor mounted (page 7).
- * When performing ID Synch, make sure there is no other similar sensors in the surrounding area. (It may pick up other sensor's ID)
- 1. Wear the heart rate sensor.
- 2. Press the **SSE** button to start searching for the heart rate sensor ID.

When the heart rate is displayed as "**ID-OK**" on the screen, searching is completed.

Start searching:		<u> </u>)
	SSE►	با	







3.	Verify that the	speed/cadence	sensor is	mounted	properly	to
	the bicycle.					

 Press the SSE button to start searching the speed sensor ID. When the speed (cadence) is displayed as "ID-OK" on the screen by spinning the rear wheel or crank, searching is completed.

Start searching:	SSE►	ſ	0
	SSE ►	2	0

5. Press the **MENU** button to proceed to "Selecting speed unit" below.

To "Selecting speed unit": (Back)	C
	ID-D

* This unit enters the search mode for 5 minutes after starting the ID check. Press the SSE button during the search mode, then "ID-SKIP" is indicated and it proceeds to "Selecting speed unit" screen below. Or, unless a sensor signal is received in 5 minutes, "ID-ERROR" is indicated and it proceeds to "Selecting speed unit" screen below. When "ID-SKIP" or "ID-ERROR" is indicated, this unit is not ready for

km/ł

rpm

When "**ID-SKIP**" or "**ID-ERROR**" is indicated, this unit is not ready for measurement because the sensor ID has not been registered even though the set-up is completed. Be sure to check the sensor ID from the menu screen "Searching the sensor ID" (page 29).

5. Selecting speed unit

Select the speed unit from "km" and "mile".

1. Select the speed unit.

2.

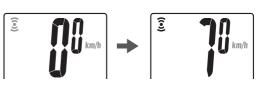
6. Operation test

Test the functioning of the speed sensor (SPEED) and the cadence sensor (CADENCE).

* If the sensor signal icons, 3, and 3 are turned off, press the **M1/+** or **M2/-** button to turn them on.

Speed sensor (SPEED)

- 1. Raise the rear wheel and spin the wheel.
- 2. When 3 flashes on the computer screen and the speed is displayed, it is operating normally.



Cadence sensor (CADENCE)

- 1. Turn the crank.
- 2. When O flashes on the computer screen and the cadence is displayed, it is operating normally.



- * When 3 or O does not flash, the position of the sensor and the magnet is not proper. Check and adjust the position of the sensor and magnet again (page 7).
- **Important:** In the following situations, it is possible that other sensor's ID was picked up; (such can happen when performing ID Synch at the race venue or group rides)
 - Does not display values, even though sensor/magnet position is proper

• Does not display HR values, even though HR sensor is strapped properly **Recommended Action:** Go to the computer's ID Synch setup screen (page 23) and go through the process of ID Synch. (Make sure that here is no similar devices in the vicinity. Signal transition distance can vary from environmental conditions such as weather, buildings, etc)

Sensor signal status

If there is no incoming signal for approximately 5 minutes, the transmission stops and no longer receive the sensor data.

Once you press the **M1/+** or **M2/-** button, the computer will come out of the Sleep mode and return to the Stand-by for sensor signal.

Signal transmission status can be checked with Signal icon.

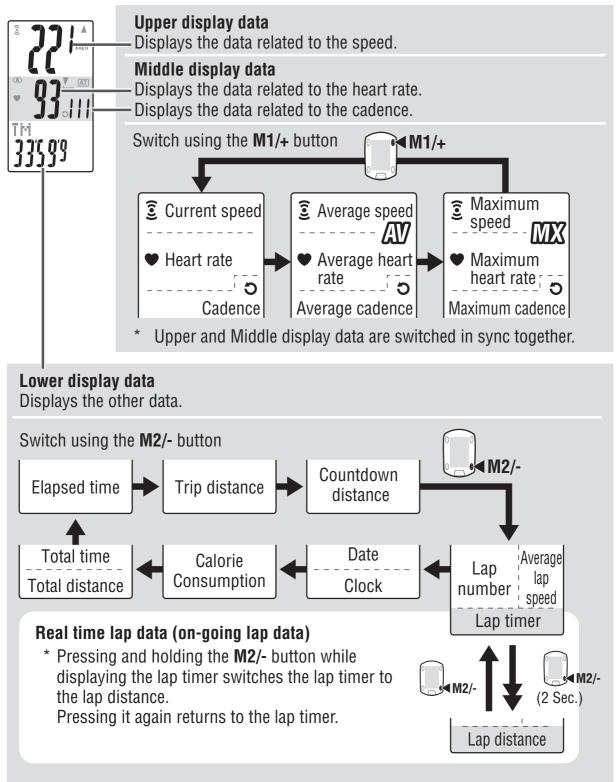
- (flashing) : Receiving sensor signal
- $\mathbb{Z} \bigcirc \odot$ (off) : Transmission off

* Transmission off status is independent for heart rate and speed/cadence sensor. If both sensors stop transmission, the computer screen will change to Sleep mode (page 17).

Functions on the measurement screen

The measurement screen displays 4 different types of data, which are switched by pressing the M1/+ and M2/- buttons.

The display data are as follows.



Starting/Stopping the measurement

Initially, the unit starts or stops measurement automatically in sync with the bicycle motion. This is called auto-mode function. "km/h" or "mph" flashes during measurement.

The total distance, maximum speed, maximum heart rate, and maximum cadence are updated independently of stating/stopping measurement.

Auto-mode function

When the auto-mode is turned on (AT lights up), the unit detects the wheel spinning, and starts/stops measurement automatically. When the auto-mode is turned off (AT lights off), the unit starts/ stops measurement by using the **SSE** button.

- * For on/off of the auto-mode, see the menu screen "Setting the automode" (page 32).
- * When the transmission is stopped and Sensor signal icons $\widehat{\mathbf{2}}, \mathbf{\Psi}$. **O** are off (page 15), the main timer may not start due to speed signal not responding.

Press the M1/+ or M2/- button to turn on the sensor signal icons Ê.♥.Ŏ.

Backlight

Pressing the **LT** button illuminates the displays for about 3 seconds.

* Pressing any button while backlight is still on extends the illumination for another 3 seconds.

Resetting the measurement data

To reset the measurement data (TM, DST, Lap Time, C.D. DST, etc) and the lap data, simultaneously press the **SSE** button and the M1/+ or M2/- button in the measurement screen.

- * Resetting the measurement data saves the data automatically on a file. (page 24)
- * The screen will freeze for about 2 seconds after resetting; however, all measurements are operating normally, including the elapsed time.
- * The countdown setting (**C.D.DST** \rightarrow) is returned to the manu set value you set.
- * Cannot reset for 5 seconds after pressing the LAP button.

Power-saving function

When the computer does not receive any data for 5 minutes, it will enter the power-saving mode, in which only the date/clock is displayed. By pressing any buttons except the **AC** recovers from the powersaving mode, and the measurement screen appears. You must press a button when the computer is in power saving mode before it will start to measure any data.

Power-saving mode



(Simulta-

neously press)

(or)

(Simultaneously press)



SSE 🕨

SSE



km/h

[AT]

AT icon

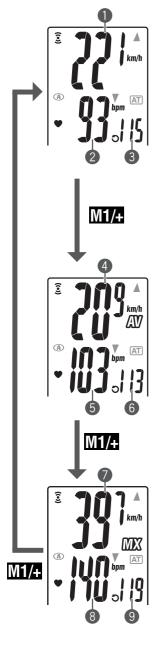
M1/+



A

Measurement screen

Upper and middle display data



Current speed

Displays the current speed. Updated every second.

2 Heart rate

Displays the heart rate in real time. Updated every second.

Cadence

Displays the number of pedal rotations per minute. Updated every second.

4 Average speed *1

Displays the average speed after the start of measurement.

6 Average heart rate *2

Displays the average heart rate after the start of measurement. The average will not be reflected when the heart rate is not measured.

6 Average cadence *3

Displays the average cadence after the start of measurement. The average will not be reflected when you stop pedaling.

Maximum speed

Displays the maximum speed after the start of measurement. Updated independently of starting/stopping measurement.

8 Maximum heart rate

Displays the maximum heart rate after the start of measurement. Updated independently of starting/stopping measurement.

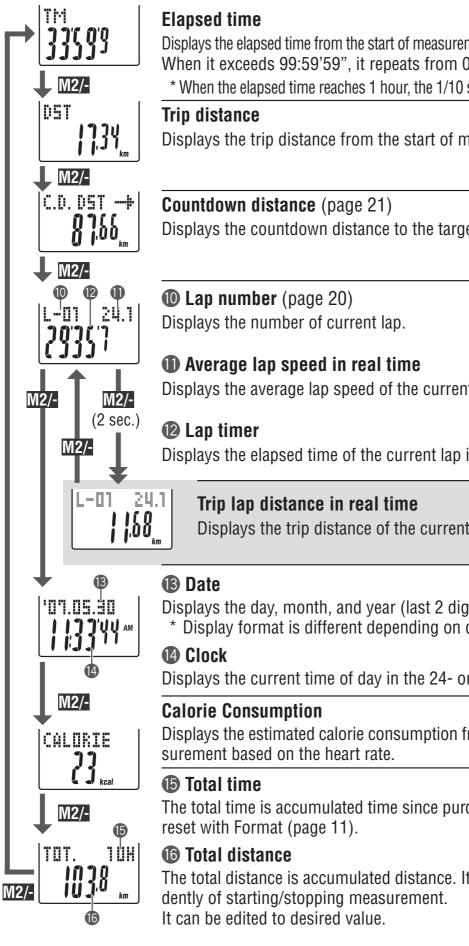
Maximum cadence

Displays the maximum cadence after the start of measurement. Updated independently of starting/stopping measurement.

- *1: When the trip distance (**DST**) exceeds 10,000 km [mile], or the elapsed time (**TM**) exceeds 100 hours, [**E**] appears indicating further measurement is impossible. Clear the data by resetting (page 17).
- *2: This device stops calculating the average when the heart rate sensor is detached, and resumes the calculation when the heart rate sensor is worn again. This feature produces actual averages with the heart rate sensor worn.
- *3: This device calculates the average excluding the time when you stop pedaling. This feature produces actual averages, which are different from those with conventional models that calculate it for the entire measurement time period.

ENG

Lower display data



Displays the elapsed time from the start of measurement to the 1/10 second. When it exceeds 99:59'59", it repeats from 00'00"0.

* When the elapsed time reaches 1 hour, the 1/10 second is not displayed.

Displays the trip distance from the start of measurement.

Displays the countdown distance to the target distance.

Displays the average lap speed of the current lap in real time.

Displays the elapsed time of the current lap in real time.

Displays the trip distance of the current lap in real time.

Displays the day, month, and year (last 2 digits).

* Display format is different depending on display set up.

Displays the current time of day in the 24- or 12-hour system.

Displays the estimated calorie consumption from the start of mea-

The total time is accumulated time since purchase. It can only be

The total distance is accumulated distance. It is updated indepen-

Pace function

2 types of pace arrow icons for the current speed and the heart rate are displayed on the screen.

These arrow icons indicate whether the current speed (heart rate) is above or below the average speed (average heart rate).

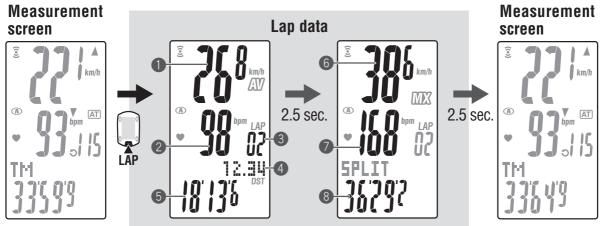
- : Appears when the current value is above the average.
- : Appears when the current value is below the average.

No arrows : When the current value is equal to the average, or zero.



Lap function

Pressing the **LAP** button on the measurement screen during measurement records the measurement data between a given set of points (average lap speed/maximum lap speed, average lap heart rate/maximum lap heart rate, lap time/split time, and trip lap distance) up to 99 points. Immediately after recording, the lap data are displayed in the order as shown below, and then return to the measurement screen.



• Average lap speed

Average lap heart rate

Displays the average lap speed (average lap heart rate) from the previous point (for **L-01**: from the start of measurement).

3 Lap number

Displays the lap number just recorded.

* When the total number of laps exceeds 99 points, "--" appears indicating further lap recording cannot be done.

4 Trip lap distance

Displays the trip lap distance from the previous point (for **L-01**: from the start of measurement).

6 Lap time

Displays the elapsed time from the previous point (for **L-01**: from the start of measurement).

6 Maximum lap speed

Maximum lap heart rate

Displays the maximum lap lap speed (maximum lap heart rate) from the previous point (for **L-01**: from the start of measurement).

8 Split time

Displays the total elapsed time from the start of measurement.

ТМ

Lap time and split time

The lap time displays elapsed time from the last press of the **LAP** button.

The split time displays the elapsed time from the start of measurement to the point **LAP** button is pressed.

* The measured lap data is saved to a file when you perform a reset operation (page 17) and can be reviewed in "File view" (page 24).

Start of

measurement

Lap time 1

Split time 1

Split time 2

Lap time 2

* Pressing the **LAP** button while the total number of laps reaches 99 points displays the lap data, but "--" appears in place of the lap number indicating further recording is impossible.

Advance use of the real time lap data

For the real time lap data indicated in the lower display, the unit starts/stops measurement in sync with the main time measurement; however, it resets and restarts the data every time you press the **LAP** button.

This independent feature of lap time can be useful also for intervals and sectional trials such as hill climb section.

Countdown distance

The countdown distance feature displays the countdown distance to a predetermined target trip distance, and notifies when it reaches zero. When it reaches the target trip distance, the unit switches any measurement data to the countdown data, and notifies it by flashing the numeric/dot display and an alarm sound.

Example of how the countdown distance is used

1. Entering the race event distance

For distance system events such as a road race and century ride, enter the race event distance before the start, and develop your strategy and pace based on the countdown distance during the race.

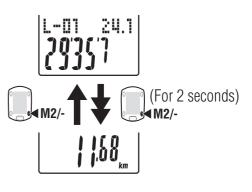
2. Entering the destination sign distance For touring, enter the sign distance whenever you encounter a destination sign

along the road, and develop your pace based on the countdown distance.

3. Entering the periodical target distance

Enter the periodical target distance for a week, month, or year to check your progress.

* The target trip distance is set from the menu screen "Setting the countdown distance" (page 32).





seconds)

C.D. D5T

In case of 20 km



Target heart rate zone

During measurement, \bigodot on the screen displays the target heart rate status.

- (constant): The target zone is set to any of **HR.ZONE:1** to **4**.
- (flashing) : The current heart rate is out of the selected zone.
- (off) : The target zone is set to off.
- * The target heart rate zone is set from the menu screen "Setting the target heart rate zone" (page 34).

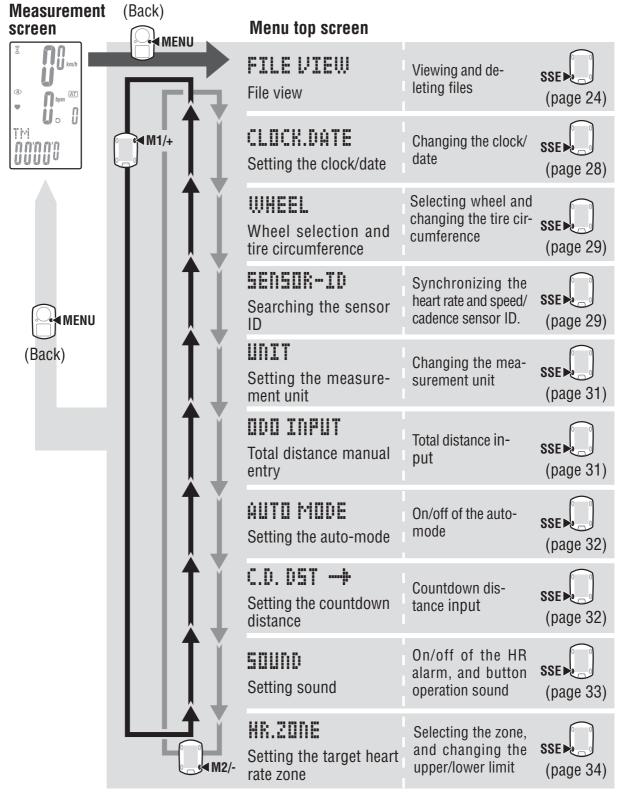


Target heart rate zone

Changing the computer configuration

Pressing the **MENU** button in the measurement screen switches to the menu screen. In the menu screen, you can view and delete the files saved, and view and change various configurations.

- * Use the M1/+ and M2/- to change menu items.
- * After changes are made, be sure to review the setting(s) and confirm by pressing the **MENU** button.
- * Leaving the menu screen without any operation for 2 minutes returns to the measurement screen, and changes are not saved.



File view

FILE VIEW

The lap and measurement data are saved into a file automatically each time a ride is reset (Resetting Operation page 17)

With the file view, you can review the past rides or delete data recorded.

Measurement data to be recorded in a file

The computer can record up to 14 files*1.

When 14 files (rides) are saved, the oldest one is deleted automatically. The latest file is always **F-01**.

The measurement data to be saved in a file are as follows.

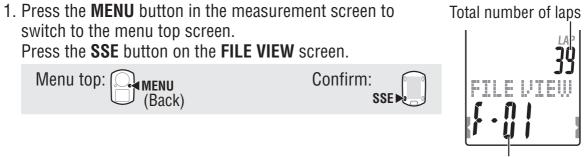
Date of creation: New



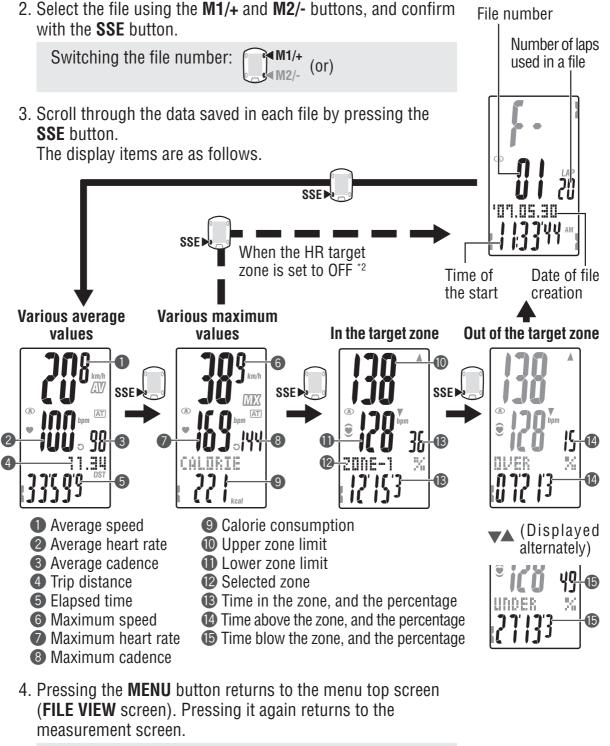
- Trip distance
- Elapsed time
- Various average values (average speed, average heart rate, and average cadence)
- Various maximum values (maximum speed, maximum heart rate, and maximum cadence)
- Date and time of file creation (date/time when the measurement started)
- Number of laps used
- Calorie consumption
- Time distribution to the target zone (time in the zone, time above the zone, and time below the zone) and the percentage (%)
- Lap data (average lap speed, average lap heart rate, maximum lap speed, maximum lap heart rate, lap time, split time, trip lap distance)
- *1: One lap per file is used even in the case there is no lap data. Therefore, when the total number of laps reaches 99 points, no more files can be saved.

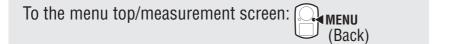
Viewing the measurement data in a file

View the measurement data in a file saved in the computer.



Total number of files

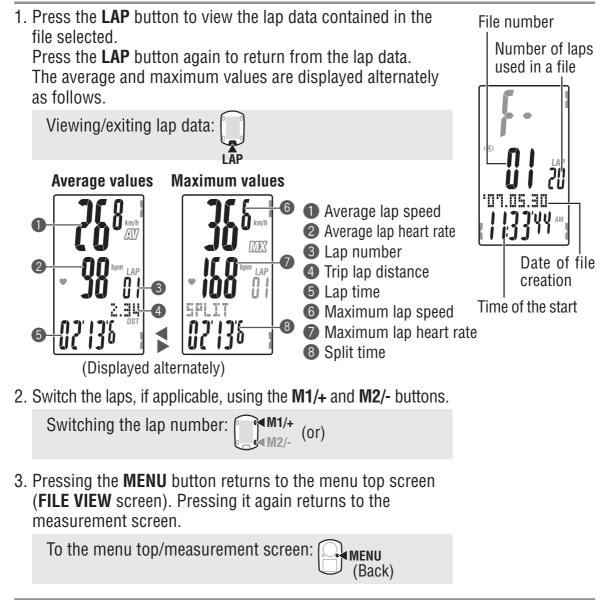




- *2: HR target zone is set to **OFF** during measurement, no data related to the target zone is displayed.
 - * Pressing the **LAP** button while viewing some data switches to viewing the lap data (page 26).

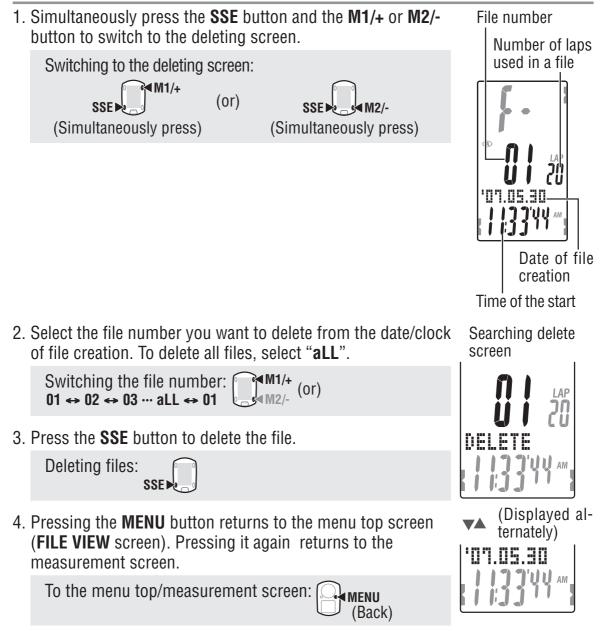
Viewing the lap data

View the lap data in a file saved in the computer. Select the file number you want to view from the menu screen "File view" (page 24).



Deleting files

Delete the file saved in the computer. You can select deleting only the file specified, or all files. Switch to the menu screen "File view" (page 24).



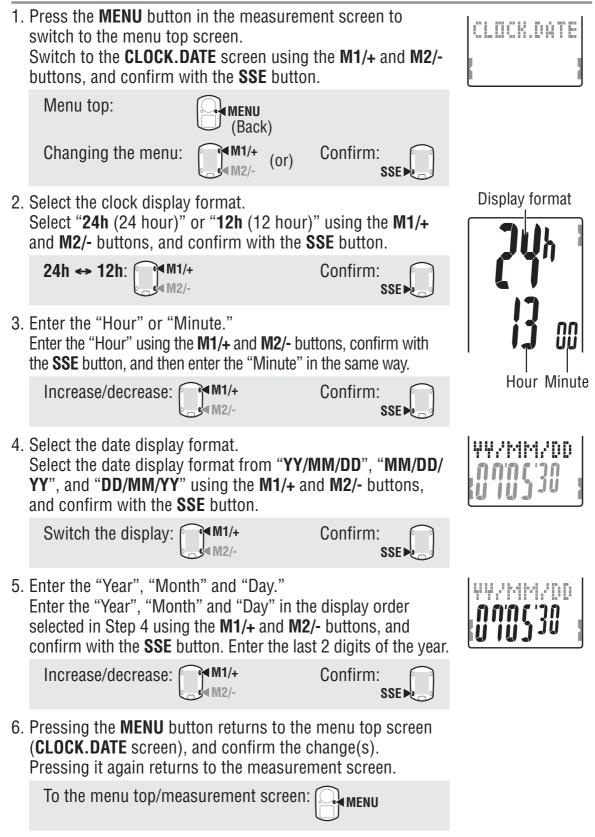
- * When the computer has no files (**F-00**) the delete file operation is not operable.
- * Once a file is deleted, all lap data associated with that file is also deleted.
- * Once a file is deleted, it cannot be restored.

FILE VIEW — CLOCK.DATE — WHEEL — SENSOR-ID — UNIT ← M2/- HR.ZONE — SOUND — C.D. DST-+ — AUTO MODE — ODO INPUT ______

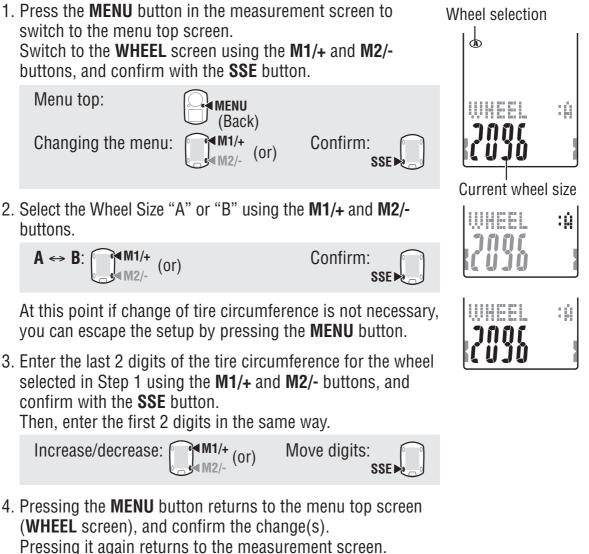
Setting the clock/date

Set the "Clock display format", "Hour", "Minute", "Date display format", "Year", "Month" and "Day."

CLOCK.DATE







To the menu top/measurement screen: (MENU (Back)

Searching the sensor ID

When moving the computer from one sensor to another or to use a different HR chest strap, this operation must be performed.

- * This unit requires the sensor ID.
- The computer cannot receive the sensor signal unless the sensor ID is synchronized properly.
- * To synchronize the sensor ID, the heart rate sensor must be worn properly (page 9), and be near the bicycle with a speed/cadence mounted (page 7).
- * When searching the sensor ID, make sure no other sensors are in the area within 10 m radius. For the Speed/Cadence sensor, it is also possible to press the Reset button on the sensor to intentionally turn off the signal transmission from the sensor.

SENSOR-ID

- 1. Press the **MENU** button on the measurement screen to 560608-10 switch to the menu top screen. Switch to the **SEnSOR-ID** screen using the **M1/+** and **M2/**buttons, and confirm with the SSE button. Menu top: MFNU (Back) (M1/+ Confirm: Changing the menu: (or) 2. Select the sensor ID to be checked. Select it from "Hr (heart rate sensor)", "SP1 (speed sensor 1)", and "**SP2** (speed sensor 2)" using the **M1/+** and **M2/-** buttons. Selecting the sensor: (or) 3. Check whether the heart rate sensor is worn properly when you selected "**Hr**", or whether the speed sensor is mounted properly when you selected "SP1" or "SP2". 4. Press the **SSE** button to start searching the ID. Spin the rear wheel or crank when you selected "SP1" or "SP2". When the heart rate or speed (cadence) is displayed with "ID-OK" on the screen, synchronization is completed. Start searching: SSEI 5. Pressing the **MENU** button returns to the menu top screen (**SEnSOR-ID** screen), and confirm the change(s). Pressing it again returns to the measurement screen. To the menu top/measurement screen: (Back)
 - * This unit enters the search mode for 5 minutes after starting the ID synch. While "ID-SKIP" is indicated, press the SSE button in the search mode to cancel the ID synch, and "ID-SKIP" is displayed. Unless a sensor signal is received in 5 minutes, "ID-ERROR" is displayed.

When "**ID-SKIP**" or "**ID-ERROR**" is displayed, the ID has not been synchronized properly. In such a case, the sensor ID retains the previous ID setup.

Be sure to check the sensor/mounting condition before you check the ID again.

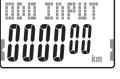
* SP2 is used when a computer is commonly used for second bicycles. By synchronizing the ID of the second bicycle equipped with a second speed/cadence sensor and the computer with SP2, re-synchronizing and the computer with SP2, synchronizing the ID is not required every time you move the computer between first bike to the second bike. FILE VIEW - CLOCK.DATE WHEEL SENSOR-ID UNIT MR.20NE 50UND C.D. DST -> - AUTO MODE 0DD INPUT Setting the measurement unit Change the unit (km or mile).

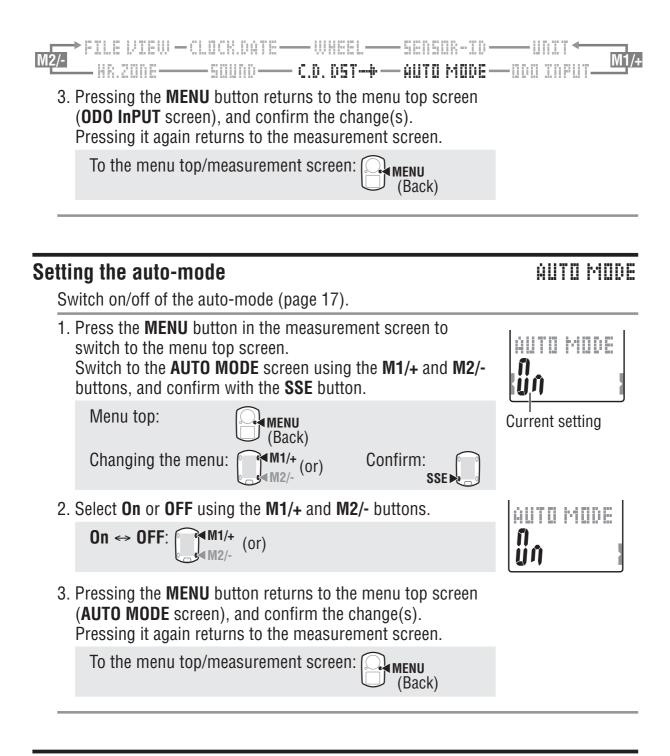
* Stop measurement and perform the resetting operation (page 17) before you change the unit. Unless you perform the resetting operation, "DATA RESET" appears on the screen, preventing from changing the unit.

	the coroon, proventing near enanging the unit	
1.	Press the MENU button in the measurement screen to switch to the menu top screen. Switch to the UnIT screen using the M1/+ and M2/- buttons, and confirm with the SSE button.	
	Menu top: (Back)	Current speed unit
	Changing the menu: (or) Confirm:	
2.	Select the speed unit using the M1/+ and M2/- buttons.	luntt
	$km \Leftrightarrow mile: M1/+ M1/+ M2/- (or)$	km
3.	Pressing the MENU button returns to the menu top screen (UnIT screen), and confirm the change(s). Pressing it again returns to the measurement screen.	
	To the menu top/measurement screen: Henne (Back)	
*	After the unit is switched, the total distance measured in the converted to the new unit.	past is automatically
Tota	distance manual entry	ODO INPUT
	ou can enter any value to the total distance. The total distance in the past can be input after formatting or to	a new computer.
1.	Press the MENU button in the measurement screen to switch to the menu top screen. Switch to the ODO InPUT screen using the M1/+ and M2/- buttons, and confirm with the SSE button.	
	Menu top:	Current total value

Menu top: (Back)	Cur
Changing the menu: (or) Confirm:	
Enter the total distance using the M1/+ and M2/- buttons, and move digits using the SSE button.	
* The total distance shall be entered with a positive value.	
Increase/decrease: (or) Move digits:	

2.





Setting the countdown distance

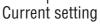
Enter the target trip distance for the countdown (page 21).

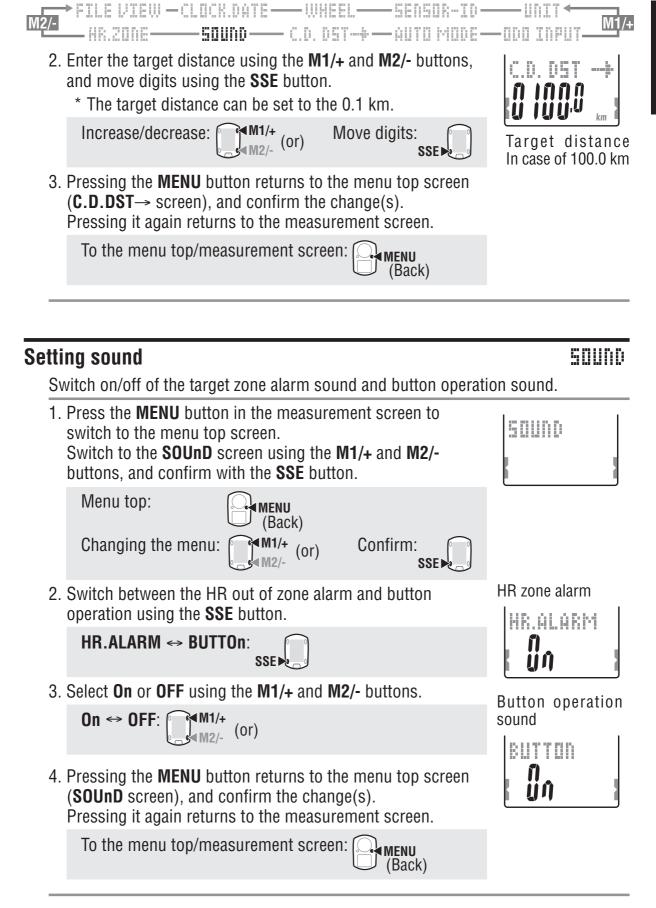
 Press the MENU button in the measurement screen to switch to the menu top screen. Switch to the C.D.DST→ screen using the M1/+ and M2/buttons, and confirm with the SSE button.

Menu top:	(Back)	
Changing the menu:	M1/+ M2/- (or)	Confirm:









FILE VIEW — CLOCK.DATE —— WHEEL —— SENSOR-ID —— UNIT ←____ M2/- NR.ZONE —— SOUND —— C.D. DST-+ — AUTO MODE — ODO INPUT______1/+

Setting the target heart rate zone

You can select the target heart rate zone, and change the upper/lower limit.

- * Stop measurement and perform the resetting operation (page 17) before you can change the target heart rate zone. Unless you perform the resetting operation, "DATA **RESET**" appears on the screen, preventing from changing the target heart rate zones.
- * For details of the target zone, see "Use of the target zone" (page 37).
- 1. Press the **MENU** button in the measurement screen to switch to the menu top screen. Switch to the **HR.ZOne** screen using the **M1/+** and **M2/**buttons, and confirm with the SSE button. R.200E Menu top: MENU (Back) Changing the menu: Confirm: (or) Current setting 2. Select one from **OFF**, **I**, **2**, **3**, or **4** for the target heart rate HR.ZONE zone using the M1/+ and M2/- buttons. 116 When using the target zone, select from 1 to 4, confirm with the **SSE** button, and then proceed to Step 3. When not using the target heart rate zone, select **OFF**, and then proceed to Step 4. Select the zone: Confirm: ₹**M1/**+ (0r) $OFF \leftrightarrow 01 \leftrightarrow 02 \cdots 04 \leftrightarrow OFF$ Upper limit 3. Enter the lower limit for the selected zone using the M1/+ and **M2/-** buttons, and enter the upper limit in the same way after pressing the SSE button. Increase/decrease: M1/+ (or) Confirm: SSF . 4. Pressing the **MENU** button returns to the menu top screen (**HR.ZOnE** screen), and confirm the change(s). Pressing it again returns to the measurement screen. To the menu top/measurement screen: MENU Lower limit (Back)
 - * You can enter any upper/lower limit to each zone; however, the upper limit is adjusted automatically to the lower limit + 1 when the entered lower limit exceeds the upper limit. In case of the upper limit, vice versa, the lower limit is adjusted in the same way.
 - * The upper limit is displayed with the digit in a small numeric when it exceeds 199.

HR.20DE

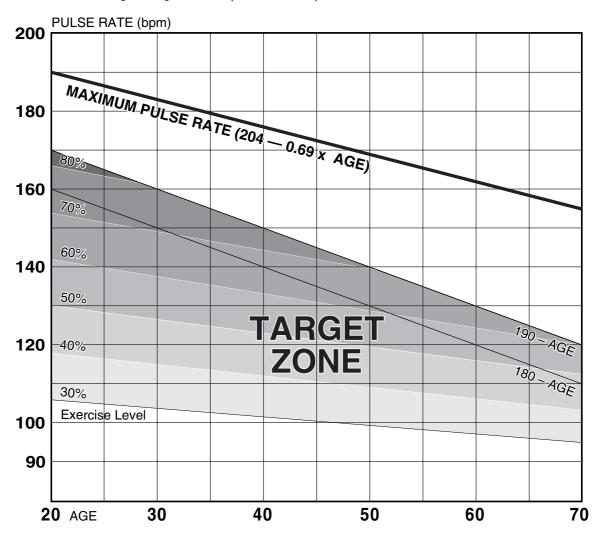
Heart rate training

This section is just a general overview of training with heart rate data. For more complete information, there are books and websites with more in-depth information.

Generally, the heart rate increases during exercise, getting higher in conjunction with the intensity of the workout. Measurement the rate of your heart beat is a good indicator of the intensity of your workout. By setting target HR (heart rate) zones and sticking to preset exercises, you will be able to work out more efficiently. Before beginning a training program, be sure to first consult a medical specialist or sports trainer.

1. Improving general fitness

Bicycling is one of the best activities to improve your general fitness. To improve your overall fitness through bicycling, set a target heart rate zone from between 30% and 70% of your maximum HR, depending on your physical strength. For best results, exercise consistently in this zone for periods of at least 20-30 minutes, 3 or more times a week. To obtain your target zone, see the table below, which illustrates the correlation between heart rate and training level. For beginners, it is recommended to start with the level of 30% of your max. From this point, gradually increase the level according to your fitness level and experience. Training at levels over 70% of your HR max will focus more on anaerobic exercise, and less on aerobic exercise. Weight loss usually occurs through longer rides (over 1 hour) at lower HR levels.



Continue ENG-35

2. Training for competition

Measure your resting heart rate just after waking in the morning and your maximum heart rate (perhaps during competition). Then set your target zone according to your goal:

A) For recovery, endurance training, and weight loss :

60% - 70% (aerobic exercise)

B) For quality endurance and tempo training :

70% - 80% (aerobic exercise)

C) For increasing TT and race ability, and VO2 max :

85% + (anaerobic exercise)

D) For anaerobic capacity and sprinting :

92.5% + (anaerobic exercise)

- Training level (%) = $\frac{(\text{Target heart rate}) (\text{Resting heart rate})}{(\text{Maximum heart rate}) (\text{Resting heart rate})}$ x 100
- Target heart rate = (Maximum heart rate Resting heart rate) x

Training level (%) + Resting heart rate 100

Resting heart rate

Your resting heart rate is usually the lowest recorded rate soon after waking up in the morning.

Maximum heart rate

The following calculations are generally used: (220 - age) or (204 - 0.69 x age). For more precise figure, consult a training specialist.







3. Use of the target zone

When the heart rate is out of the zone during the measurement, the computer sounds an alarm and notifies the rider by flashing \bigcirc .

The heart rate zone is selected from 4 predetermined zones.

For a training aiming at a heart rate of 140 to 160 bpm, select **HR.ZONE:3** as shown below. Then, the computer sounds an alarm when the heart rate falls below 139 bpm, or rises above 161 bpm.

Once the target zone is set to **On**, the relevant data are recorded and the time in the zone, time above the zone, and time below the zone and their percentages can be viewed in the file view (page 24).

* You can enter any upper/lower limit to each zone.

Heart rate 60 bpm	80 I	100 I	120 I	140 I	160 I	180 I	200 I
HR.ZONE :1 100 - 120 bpm		ZOI	NE:1		H	eart rate z	zone
HR.ZONE :2 120 - 140 bpm			ZO	NE:2			
HR.ZONE :3 140 - 160 bpm		M Alarm		ZOI	NE:3	Alarm	
HR.ZONE :4 160 - 180 bpm		Ta	rget traini	ng zone 💻	ZO	NE:4	

Default zone

- * For the target zone, you can select **OFF** or Zone 1 to 4, and change the upper/lower limit from the menu screen "Setting the target heart rate zone" (page 34).
- * On/off of the alarm sound is selected from the menu screen "Setting sound" (page 33).

Trouble shooting

If a malfunction occurs, check the following before contacting CatEye or your retailer for repair or service.

Trouble on display

Trouble	Check Items	Remedy
Display motion be- comes slower.	Is the surrounding tempera- ture low (below zero degree Celsius or 32 degrees Fahr- enheit)?	Temperatures below freezing may re- sult in slower screen response. Data is not affected.
Flashes on the screen.	The remaining battery ca- pacity for the computer is low.	Replace it with a new battery (CR2032) immediately. After replacement, be sure to perform the restarting operation (page 11).
No displays appear.	Is the battery for the com- puter empty?	Replace it with a new battery (CR2032). After replacement, be sure to perform the restarting operation (page 11).
Meaningless display appears.		Perform the restarting operation (page 11).
Cannot measure the trip speed (cadence)	Have you checked the sensor ID? Is the computer ID Synch'ed with somebody else's sensor?	Check the speed sensor ID (page 29) for SP1 (speed sensor 1) or SP2 (speed sensor 2).
	Is the Speed and Cadence sensor icon on $\widehat{\mathbf{s}}$, \mathbf{O} ?	If the Speed and Cadence sensor icon is off $\widehat{\mathbf{s}}$, \mathbf{O} , the computer can- not receive data. Press the M1/+ or M2/- button once to turn on the icon.
	Check whether the distance between the speed (ca- dence) sensor and the mag- net is too large.	Adjust the position of the speed (ca- dence) sensor and that of the mag- net correctly. (See "How to install the unit on your bicycle" on page 6.)
	Is the sensor zone of the speed (cadence) sensor off the center of the magnet?	
	Has the power-saving func- tion been activated, showing only date/clock on the screen?	Press any button on the computer to cancel the power-saving function.
	Is the battery for the speed sensor empty?	Replace it with a new battery (CR2032). After replacement, be sure to press the RESET button on the speed sensor.

Trouble	Check Items	Remedy	
Heart rate signals are not received.	Have you checked the sensor ID? Is the computer ID Synch'ed with somebody else's sensor?	Check the speed sensor ID (page 29) for Hr (heart rate sensor).	
	Is the Heart rate sensor icon off ♥ ?	If the Heart rate sensor icon is off ♥, the computer cannot receive the Heart rate data. Press the M1/+ or M2/- but- ton once to turn on the icon.	
	Has the power-saving func- tion been activated, show- ing only date/clock on the screen?	Press any button on the computer to cancel the power-saving function.	
	Is the heart rate sensor at- tached securely to your body?	Adjust the electrode pad with its rub- ber surface to have a good contact with the body.	
	Dry skin (particularly in winter)	Slightly moisten the electrode pad of the heart rate sensor.	
	Is the battery for the heart rate sensor used up?	Replace it with a new battery (CR2032).	
	Check whether C lights up on the computer screen. The remaining battery capac- ity for the computer is low.	Replace it with a new battery (CR2032). After replacement, be sure to perform the restarting operation (page 11).	
	Is the electrode pad overly worn and damaged after long use?	Replace it with a new heart rate sen- sor.	
Fluctuation in the heart rate indicator, for ex- ample it returns to zero and then the heart rate is measured again.	Is the electrode pad being worn correctly?	To wear the electrode pad correctly, fol- low the instructions for wearing the heart rate sensor (page 9).	
Moving the main unit away from your body will prevent measure- ment of the heart rate.	Check whether I lights up on the computer screen. The remaining battery capac- ity for the computer is low.	Replace it with a new battery (CR2032). After replacement, be sure to perform the restarting operation (page 11).	
	Is the battery for the heart rate sensor used up?	Replace it with a new battery (CR2032).	
Pressing the LT button does not turn on a light.	Check whether D lights up on the computer screen. The remaining battery capac- ity for the computer is low.	Replace it with a new battery (CR2032). After replacement, be sure to perform the restarting operation (page 11).	

Trouble on operation **Check Items** Trouble Remedy Check whether the auto-When **AT** illuminates, the auto-mode Pressing the SSE button is on; you cannot start or stop meadoes not start/stop mode is turned on (with **AT**) surement by pressing the button. measurement. illuminating). Turn off the auto-mode. (See "Setting the auto-mode" on page 32.) The heart rate sensor The battery for the heart rate sensor (speed sensor) is possibly depleted. (speed sensor) ID check failed. After replacing the battery with a new one (CR2032), check the sensor ID again (page 29). Lap data cannot be Have you already com-Delete data files that contain several laps stored. pleted 99 laps? from the file view (page 27) in order to obtain free space for lap recording. Is the lap time over 100 With the recording range exceeded, the hours (Or is the trip lap dislap cannot be measured. tance over 9999.99 km)? Perform the resetting operation (page 17) for further measurements. Is it immediately after You cannot record the lap for 5 secpressing the LAP button? onds immediately after pressing the LAP button. Abnormal values ap-Are there any objects emit-Keep the unit away from any object that pear. ting electromagnetic waves may be causing interference, and re-(railway tracks, transmitset the data (page 17). ting stations for television. etc.) nearby? In menu mode, cannot Is it currently measure-Only top menu can be viewed during ment? change settings. measurement. When the auto-mode is Keep the unit away from any object that turned on (with AT illumimay be causing interference with elecnating), it may enter the meatromagnetic waves. surement mode due to electromagnetic waves. Is it the target zone or the To change the target zone and measurement unit that canmeasurement unit, the resetting not be changed? operation is required. Stop measurement, and perform the resetting operation (page 17). Measurement data can-Has the total number of laps Delete data files that contain several not be stored on the file reached 99 points? laps from the file view (page 27) in orview. der to obtain free space for lap recording.

Replacing battery

The product comes with factory-installed batteries. When a battery is empty, replace it with a new one according to the following instructions.

Warning!!! :

Safely dispose of the old batteries, and do not place them within reach of children. If a battery is swallowed, consult a doctor immediately.

- * When any battery for the computer, heart rate sensor, or speed sensor is depleted, we recommend replacing all batteries at the same time.
- * The battery life shown in this manual is not definitive and it varies depending on the use environment.
- * The battery cover sealing is critical to maintain the waterproof feature. Clean any contamination on the battery cover or the seal, and check whether it seals correctly.

Computer

Battery life: Approx. 1 years when used for 1 hour per day.

- * When the remaining battery capacity is low, **I** lights up.
- 1. Remove the battery cover on the back of the computer using a coin, or the equivalent.
- 2. Insert new lithium batteries (CR2032) with the (+) sign upward, and close the battery cover firmly.
- 3. After replacement, be sure to perform the restarting operation (page 11), and set the date and time.

Heart rate sensor

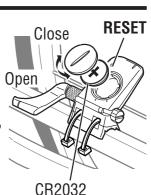
Battery life: Approx. 1 years when worn for 1 hour per day.

- 1. Remove the battery cover on the back of the heart rate sensor using a coin, or the equivalent. Open
- 2. Insert new lithium batteries (CR2032) with the (+) sign upward, and close the battery cover firmly.
 - * The heart rate sensor consumes power when worn. Remove the heart rate sensor whenever measurement is not required.

Speed sensor

Battery life: Approx. 1 years when used for 1 hour per day.

- 1. Remove the battery cover on the speed sensor using a coin, or Open the equivalent.
- 2. Insert new lithium batteries (CR2032) with the (+) sign upward, and close the battery cover firmly.
- 3. After replacement, be sure to press the **RESET** button on the speed sensor, and check that the positions of the magnet and sensor are correct and they are secured firmly.



CR2032

Close

Open

CR2032

Close

Maintenance

Perform the daily care according to the following instructions.

- Regularly check that the positions of the magnets and sensors are correct, and they are secured firmly.
- When the computer, heart rate sensor, and speed sensor are dirty, wash them with water or wipe them with a soft cloth dampened with diluted neutral detergent, then wipe with dry cloth. Do not use solvents such as benzine or rubbing alcohol as they may damage the surfaces.
- The heart rate strap absorbs sweat easily, and leaving it as such is unsanitary. Wash with neutral detergent.

Spare accessories

Standard accessories

#160-2380 Parts kit



#160-2395 HR Strap



#169-9691 Wheel magnet

#160-2385 Speed sensor kit



#160-0280 Bracket band



#169-9766 Cadence magnet



#160-2390 Heart rate sensor kit

#160-2193 Bracket



#166-5150 Lithium battery (CR2032)



Spec	ificatio	ns				
Display functions	Upper displ			0.0 (4.0) – 150.0 km/h [0.0 (3.0) – 93.0 mph For 27-inch tire size 0.0 – 150.0 km/h [0.0 – 93.0 mph] 0.0 (4.0) – 150.0 km/h [0.0 (3.0) – 93.0 mph]		
		Average spee Maximum sp				
	Middle displa	ay Heart rate Average hear Maximum he Cadence Average cade Maximum ca	eart rate ence	0 (30) – 299 bpm 0 – 299 bpm 0 (30) – 299 bpm 0 (20) – 199 rpm 0 – 199 rpm 0 (20) – 199 rpm		
	Lower display Date Clock			'07.01.01 – '99.12.31(Display format can be switched 0:00'00" – 23:59'59" [AM 1:00'00" – PM 12:59'59"] (Both 12 and 24-hour modes can be selected)		
		Lap timer	distance	0 – 9999/10000 – 999999 kcal (Calculation-based estimation only) 0 – 99999 hour 0.0 – 9999.9/10000 – 999999 km [mile] 00'00''0 – 59'59''9 / 1:00'00'' – 99:59'59'' 0.00 – 9999.99 km [mile] 9999.90 – 0.00 km [mile] L-01 – L-99 0.0 – 150.0 km/h [0.0 – 93.0 mph] 00'00''0 – 59'59''9 / 01:00'00'' – 99:59'59'' 0.00 – 9999.99 km [mile]		
	Lap	Upper displa Middle displa	y (Average lap s ay (average lap l	speed,maximum lap speed) heart rate,Lap number,maximum lap heart rate) nce,lap time,split time)		
Control system			4-bit one-chip microcomputer, crystal oscillator			
Display sy	stem		Liquid crystal	display (EL backlight)		
Speed/Cade	ence sensor sig	nal detection system	Noncontact ma	agnetic sensor		
Sensor sig	nal transmiss	ion and reception	2.4 GHz ISM Band			
Communication range			5 m (above 5 m, transmission distance may vary due to environmental conditions			
Operating temperature range			32 °F – 104 °F [0 °C – 40 °C] (This product will not function appropriately when exceeding the Working Temperature range. Slow response or black LCD at lower or higher temperature may happen respectively.)			
Storage te	mperature rar	ige	-4 °F – 122 °F	[-20 °C – 50 °C]		
Wheel circumference set range			0100 – 3999 mm			
Heart rate sensor :		: CR2032 x 1 / Approx. 1 years (When using 1 hour/day) : CR2032 x 1 / Approx. 1 years (When worn about 1 hour per day) : CR2032 x 1 / Approx. 1 years (When using 1 hour/day)				
Dimension	•	·	: 2-7/32" x 1-1/2" x 11/16" (56.0 x 38.0 x 17.3 mm) / 0.98 oz (28 g) (With the batteries) : 12-13/16" x 1-1/4" x 1/2" (325.0 x 31.4 x 12.2 mm) / 1.41 oz (40 g)			
			(With the batteries) : $2-9/16" \times 3-9/16" \times 9/16" (65.0 \times 90.5 \times 14.4 \text{ mm}) / 1.25 \text{ oz} (36 \text{ g})$ (With the batteries)			
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* When the elapsed time exceeds 100 hours, or the trip distance exceeds 9999.99 km/h, "E" appears in place of the average speed. * Designs and specifications are subject to change without notice, due to modifications or improvements.

Registration

CATEYE Web Site (http://www.cateye.com)

For warranty service you must register your product. Please register your V3 as soon as possible. CATEYE provides you technical support and new product information as much as possible.

Please register on-line through our web site, or send the registration card below directly to our Customer Service Department. For registration, please fill in the product's serial number (the 7-digits number marked on on the battery cover of computer).

Limited warranty

2-Year: computer, heart rate sensor and speed sensor

(Not including depletion of batteries)

CatEye products are warranted to be free of defects from materials and workmanship for a period of two years from original purchase. If the product fails to work due to normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer.

To return the product, pack it carefully and enclose the warranty certificate (proof or purchase) with instruction for repair.

Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service.

For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

CAT EYE CO., LTD.

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