CATEYE
PADRONE
DIGITAL

CYCLOCOMPUTER
CC-PA400B

Bluetooth®

This instruction manual is subject to change without notice.

https://www.cateye.com/instruction/?id=CC-PA400B

Introduction

The PADRONE DIGITAL is a cyclocomputer that uses Bluetooth® sensors. In addition to the included sensors, optional or third party sensors can also be connected for use.

Mounting the PADRONE DIGITAL

- Mount the bracket (Page 3)
- Mounting the speed/cadence sensor (ISC-12) (Page 5)
- Wearing the heart rate sensor (HR-12) Optional (Page 9)

* For detailed explanations on how to use CATEYE sensors such as mounting, or pairing, see the sensor's Online Manual (on our website).

Setting up the PADRONE DIGITAL

The first time that you use this product, perform the initial setup from the PADRONE DIGITAL or from a smartphone (Cateye Cycling™).

Use the method corresponding to your device to set up the PADRONE DIGITAL. You can change the display of its measurement screen and its total distance value as necessary.

* If you have a smartphone, you can use the "Cateye Cycling™" smartphone app (free of charge) to easily set up the PADRONE DIGITAL.

- If you do not have a smartphone
  1. Setup with the PADRONE DIGITAL (Page 11)
  2. Changing settings (Page 22)

- If you have a smartphone
  1. Setup with a smartphone (Cateye Cycling™) (Page 15)
  2. Capabilities with a smartphone (Page 31)

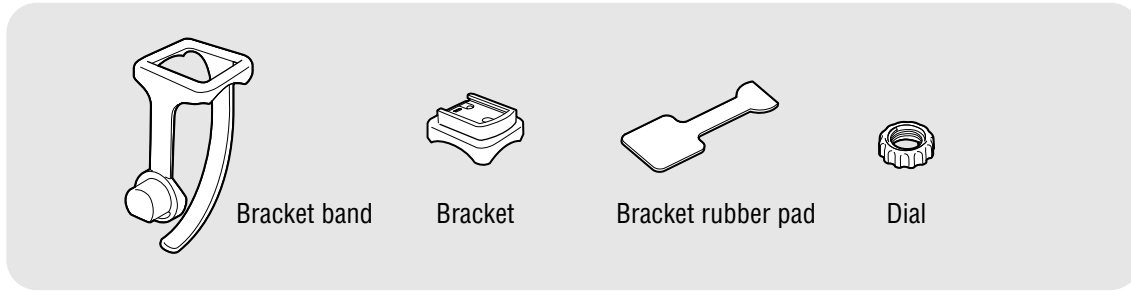# Mounting the PADRONE DIGITAL

Mount the bracket

Bracket band   Bracket   Bracket rubber pad   Dial
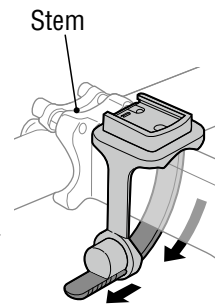
The bracket can be mounted on either the stem or the handlebar.

1   Mount the bracket

● When mounting on stem

Bracket band   Bracket rubber pad   Stem
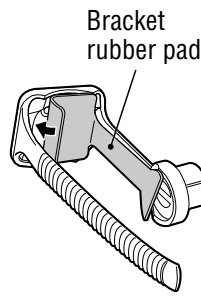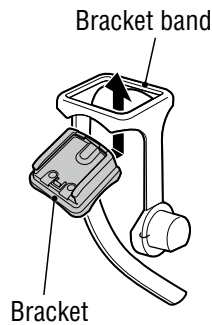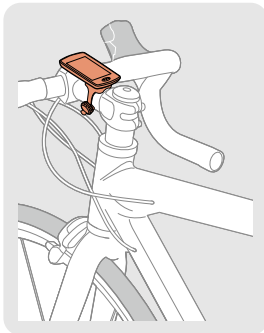
Bracket

● When mounting on handlebar

Bracket band   Bracket rubber pad   Handlebar
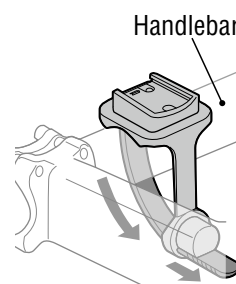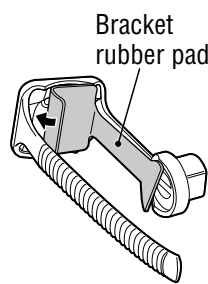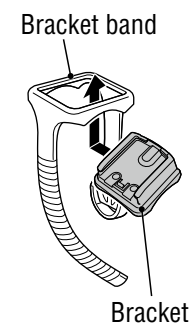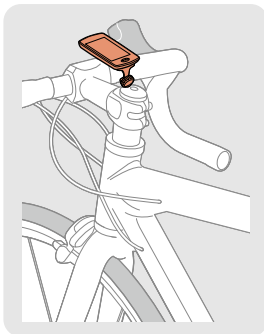
Bracket

Cutting band after mounting

⚠ **Caution!:**

Cut the bracket band so that cut end will not cause injury.

Dial   Cut

Cover,
Introduction

1
1/8

2

Using the unit

Using the app

3

SET 4

5

Appendix
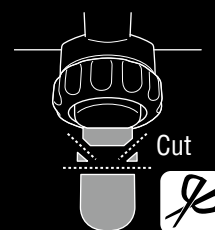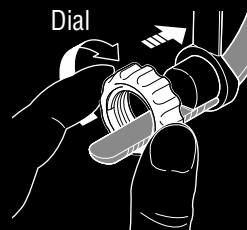
Mount the bracket

2 Attach/detach PADRONE DIGITAL

Click
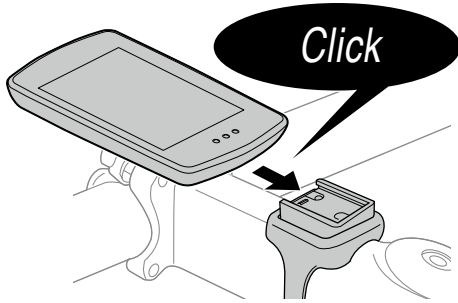
Hold PADRONE DIGITAL.
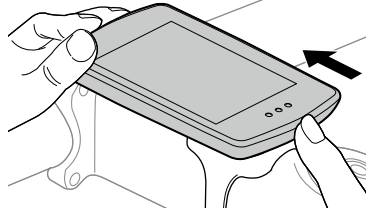
Push out so that front lifts up.

4

Mounting the speed/cadence sensor (ISC-12)

Speed/Cadence sensor (ISC-12)

Sensor rubber pad

Wheel magnet

Cadence magnet

Nylon tie (x5)
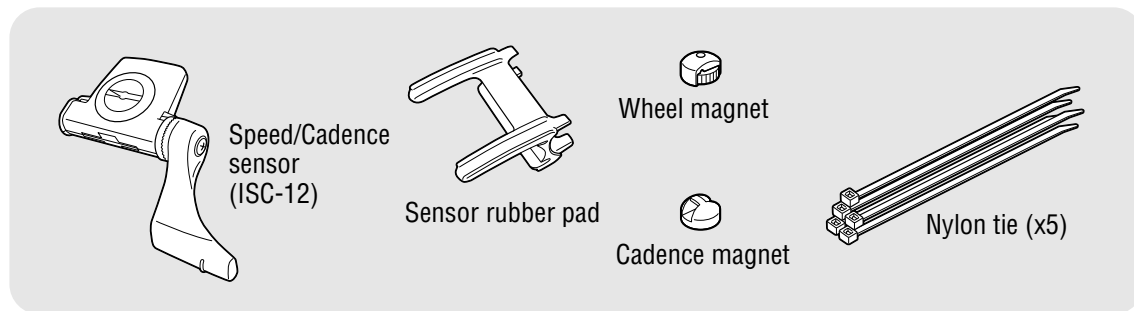
The speed (cadence) sensor can be mounted either on the top or bottom of the chain stay.

● Mounting on top of chain stay

Cadence magnet

Wheel magnet

Speed (cadence) sensor

● Mounting on bottom of chain stay

Speed (cadence) sensor

Cadence magnet

Wheel magnet
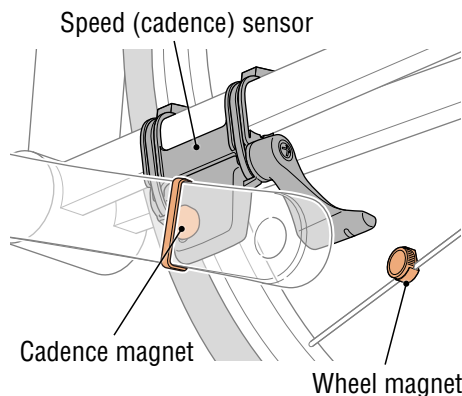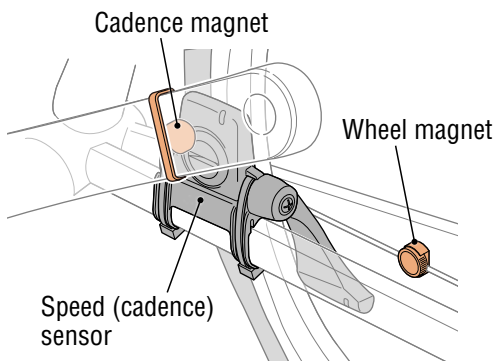
⚠ **Caution!:**

If the speed (cadence) sensor is mounted on the bottom of the chain stay rather than on the top, the adjustment range between the sensor and the magnet will be narrower.

* If using pedals with steel axles, the cadence magnet can be attached magnetically to the pedal axle.

> * For detailed explanations on how to use CATEYE sensors such as mounting, or pairing, see the sensor's Online Manual (on our website).

* The following mounting procedure gives instructions for mounting on the top of the chain stay.

Cover, Introduction

▲

1
3/8

▼

2

Using the unit

Using the app

3

SET 4

5

Appendix

5

Mounting the speed/cadence sensor (ISC-12)

• •

1 Temporarily attach the sensor to the left chain stay.

(1) Loosen the sensor screw using a Phillips screwdriver and check that the sensor arm moves.

Sensor screw
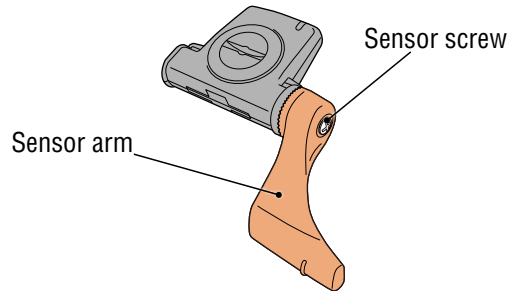
Sensor arm

(2) Attach the sensor rubber pad to the sensor.

Sensor rubber pad
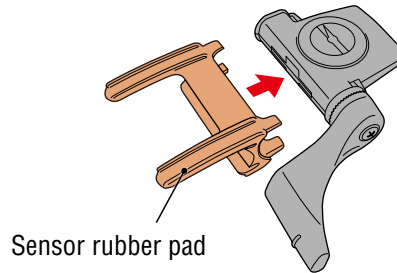
(3) Refer to the illustration and temporarily attach the sensor to the left chain stay with nylon ties.

> ⚠ **Caution!:**
> **Do not fully tighten the nylon ties.**
> **Once the nylon ties are fully tightened they cannot be removed.**

Left chain stay

Nylon tie

▲
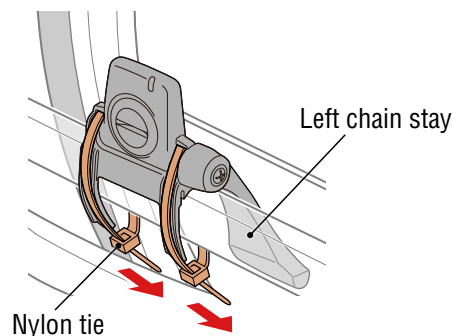
1
4/8

▼

2

Using the unit

Using the app

3

SET **4**

5

Appendix

6

Mounting the speed/cadence sensor (ISC-12)

● ●

2 Temporarily attach the magnet.

Cadence magnet

Sensor zone (**CADENCE**)

Wheel magnet

Spoke

Sensor zone (**CADENCE**) side

Nylon tie

Sensor zone (**SPEED**)

Sensor zone (**SPEED**) side
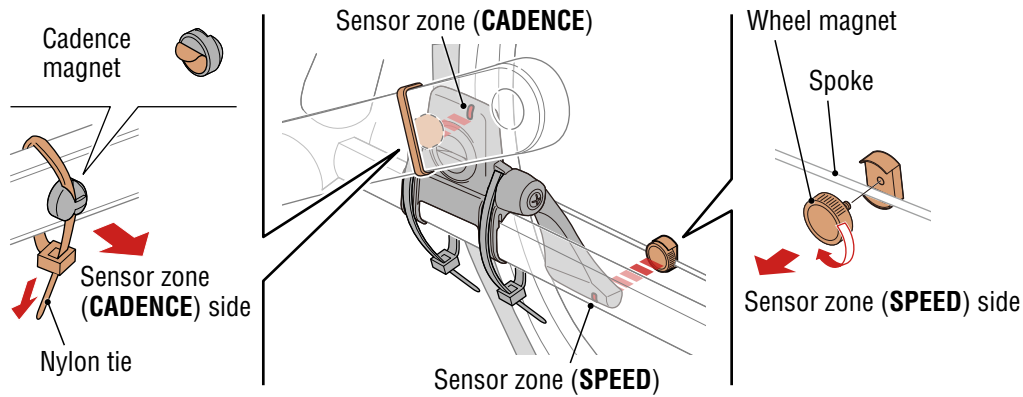
(1) Using a nylon tie, temporarily attach the cadence magnet to the inside of the left crank arm so that it faces the cadence sensor zone.

* If using pedals with steel axles, the cadence magnet can be attached magnetically to the pedal axle. In this case, remove the adhesive tape from the magnet and do not use the nylon tie.

(2) Rotate the sensor arm and temporarily attach the wheel magnet to a spoke facing the speed sensor zone.

* Reposition the sensor and the magnets if both magnets (speed and cadence) cannot pass through their respective sensor zones.

2

Using the unit

Using the app

3

4

5

Appendix

7

Mounting the speed/cadence sensor (ISC-12)

3 Adjust the gap between the sensor zone and the magnet.

(1) Tilt the sensor so that the gap between the cadence magnet and the cadence sensor zone is approximately 3 mm, then fasten the sensor securely with nylon ties.

3 mm

Cadence magnet
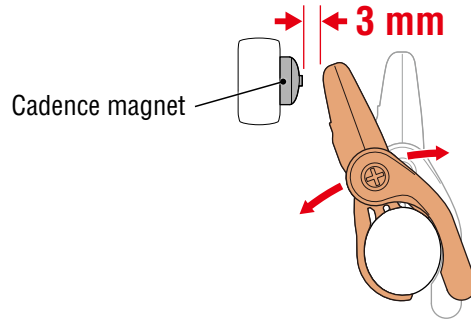
(2) Rotate the sensor arm so that the gap between the wheel magnet and the speed sensor zone is approximately 3 mm, then tighten the sensor screw securely.

3 mm

Sensor screw

Wheel magnet

3 mm
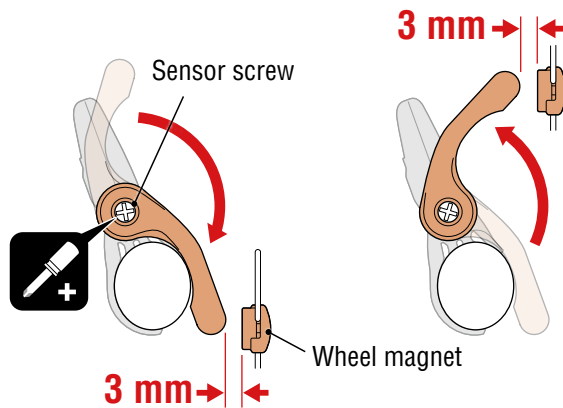
4 Secure all parts.

Securely tighten the sensor's nylon ties, the sensor screw, the wheel magnet, and the cadence magnet so that they do not move, and then check that these items are not loose.
Trim off the excess nylon tie.

Wearing the heart rate sensor (HR-12) Optional

Heart rate is measured by wearing a heart rate sensor around the chest.

Heart rate sensor
(HR-12)

HR strap
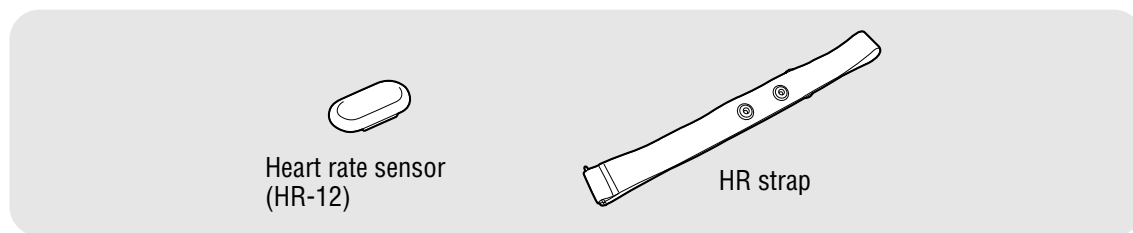
Before wearing the heart rate sensor

⚠ **Warning!!!:**
Never use this device if you use a pacemaker.

● To eliminate measurement errors, it is recommended to moisten the electrode pads with water or apply electrolyte cream to the pads.

● If you have sensitive skin, moisten the electrode pads with water and wear it over a thin shirt.

● Chest hair may interfere with measurement in some cases.

> * For detailed explanations on how to use CATEYE sensors such as mounting, or pairing, see the sensor's Online Manual (on our website).

1 Attach the sensor to the HR strap.
Press until you hear a clicking sound.

Heart rate sensor
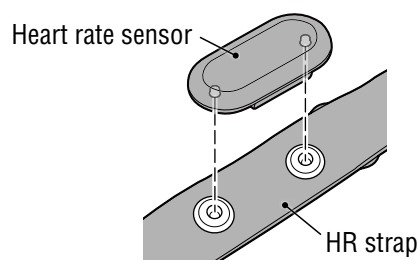
HR strap

2 Wear the HR strap by sliding the hook over the other end of the strap.

Cover,
Introduction

▲

1
7/8

▼

2

Using the unit

Using the app

3

SET 4

5

Appendix

Wearing the heart rate sensor (HR-12) Optional

Wind the HR strap around your body and adjust the length to suit your chest (underbust). Overtightening the strap may cause discomfort during measurement.

Hook

Back side
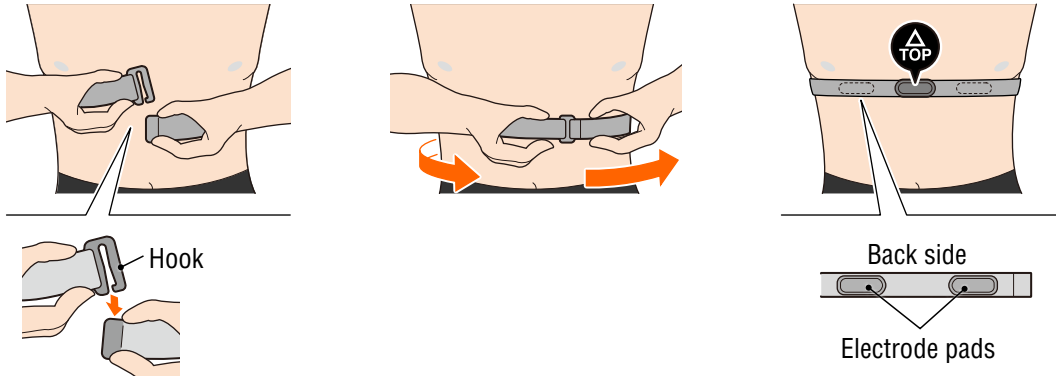
Electrode pads

* Wear the heart rate sensor so that **TOP** faces up.

* Ensure that the electrode pads are in close contact with your body.

* If you have dry skin or are wearing the sensor over a shirt, measurement errors may result. In such cases, moisten the electrode pads with water.

Setting up the PADRONE DIGITAL

Setup with the PADRONE DIGITAL

If using a smartphone, see "Setup with a smartphone (Cateye Cycling™)" (Page 15) to set up the device.

Check the locations of the buttons on the PADRONE DIGITAL before starting setup.
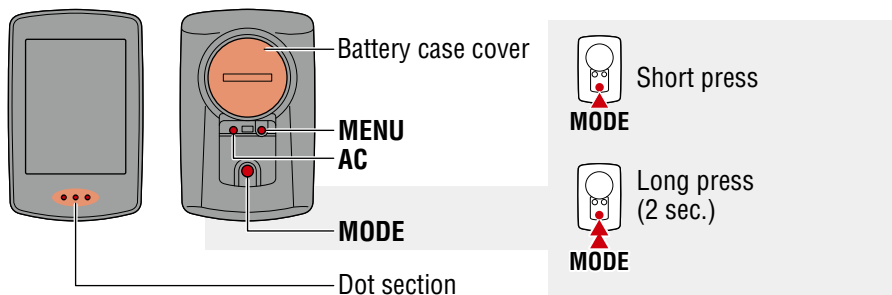
Battery case cover

MENU
AC
MODE

Dot section

Short press — MODE

Long press (2 sec.) — MODE

Pull free the PADRONE DIGITAL insulation sheet.

After you pull free the insulation sheet, return the battery cover to its previous location.

Close
Open
Insulation sheet

---

1 Format (initialize) the unit.

While holding down **MENU** on the back of the PADRONE DIGITAL, press and release the **AC** button.

AC MENU

❶ MENU ▶ ❷ AC MENU ▶ ❸ MENU

The whole display turns on, and then the smartphone search screen is displayed.

* All data is deleted and the unit is reset to the factory default settings.

* If the smartphone search screen is not displayed, the unit could not be formatted. Try to perform the operation again.

MENU

11
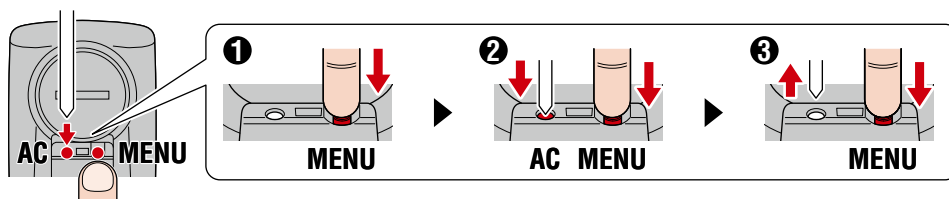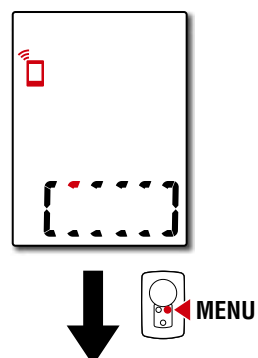
Setup with the PADRONE DIGITAL

2 Select the measurement unit.

Press **MODE** to select "**km/h**" or "**mph**".
After selecting a value, press **MENU** to proceed
to the next step.

km/h

Un It

km/h ⇔ mph
MODE

MENU Confirm
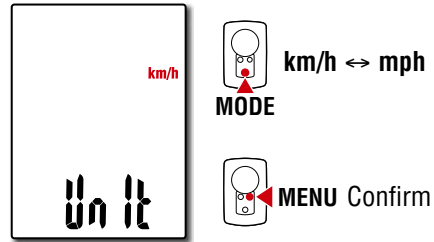
3 Pair with a sensor.

⚠ **Caution!:**

● **To use the PADRONE DIGITAL, you have to pair it with a sensor that supports the Bluetooth® standard.**

● **Avoid pairing sensors at a race venue or in similar locations where there are a lot of other users. Doing so may cause the PADRONE DIGITAL to be paired with another device.**

The unit switches to the pairing standby screen and **Pr** flashes on the screen.
Use one of the methods in the following table to activate the sensor.
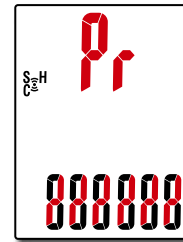
Pr

888888

CATEYE sensors	Activating the sensor	Display
Speed/Cadence sensor (ISC-12)	Move the magnet through the sensor zone several times. (Within 3 mm)	**ISC**
Heart rate sensor (HR-12) Optional	Rub both electrode pads with your thumbs.	**Hr**

* With the speed/cadence sensor and heart rate sensor, you can also activate the sensor by pressing the **RESET** button.

Once pairing is complete, the name of the sensor is shown in the upper display.

* When pairing a sensor with the PADRONE DIGITAL, a "**C**" is displayed after the sensor name.

4 To pair multiple sensors, hold down **MODE** to return to the pairing standby screen.

Repeat step 3 to pair all the sensors that you intend to use.
Once you are finished pairing sensors with the unit, press **MENU** to proceed to the next step.

Re-verify (press and hold)
MODE

MENU Confirm

1

2 Unit 2/4

3

SET 4

5

Appendix
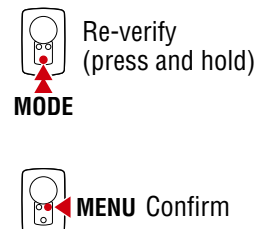
Setup with the PADRONE DIGITAL

5 Set tire circumference.

Enter the tire circumference (the length of the outer circumference of the tire) in mm for the tire on which the sensor is installed.
(100 to 3999 mm)

* Refer to "Tire circumference table" (Page 14)

* In the setup of the PADRONE DIGITAL, sensors capable of speed measurement are set to the same tire circumference value. To change the tire circumference for each sensor, see the menu screen, "Tire circumference" (Page 24), after completing setup.

After entering a value, press **MENU** to proceed to the next step.
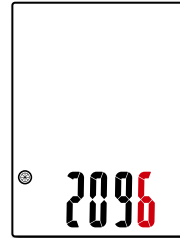
Increase numbers
MODE

Move to next digit (Press and hold)
MODE

MENU Confirm

1

▲

2
Unit
3/4

▼

6 Set the clock.

Each time **MODE** is pressed and held, settings switch from time display mode, to hours, to minutes.

* When **12h** is selected, press **MODE** to select **A** (a.m.) or **P** (p.m.).
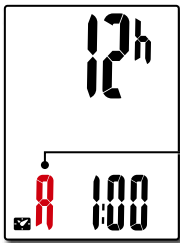
Time display mode
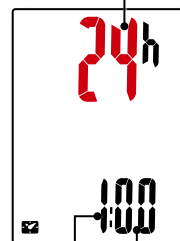
Switch between **24h** and **12h** or increase numbers
MODE

Switch setting item (Press and hold)
MODE

Hours   Minutes

A (a.m.)
↕
MODE **P** (p.m.)

3

7 Press **MENU** to complete setup.

Setup is completed and the PADRONE DIGITAL switches to the measurement screen.
For instructions on how to start measurement, refer to "Starting measurement" (Page 19).

MENU

Setup complete

SET **4**

5

Setup with the PADRONE DIGITAL

Tire circumference table

Tire circumference can be determined by either of the following two methods:

- Measure the actual tire circumference (L)
  After ensuring that the tire pressure is appropriate, sit on your bike, roll it forward so that the tire makes one full revolution (use the valve or other marking as a reference), and measure the distance traveled on the road.

L mm
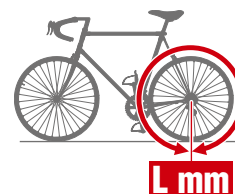
- Tire size chart
  * The tire size or ETRTO code is indicated on the side of the tire.

ETRTO	Tire size	L (mm)
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	Tire size	L (mm)
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
40-590	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	2298
60-622	29x2.3	2326

Setup with a smartphone (Cateye Cycling™)

- **Setting up the device with the Cateye Cycling™ app is not necessary if setup has already been completed with the PADRONE DIGITAL.**
- **Connecting to the Cateye Cycling™ app is possible even after setting up with the PADRONE DIGITAL. For details, see** **.**

You can use the smartphone app "Cateye Cycling™" (free of charge) for setup.

* See <u>Cateye Cycling™ Recommended Devices</u> for the latest information about smartphones recommended for use with Cateye Cycling™.

* Check the locations of the buttons on the PADRONE DIGITAL before starting setup.

Battery case cover

MENU
AC

MODE

Dot section

Short press
MODE

Long press (2 sec.)
MODE
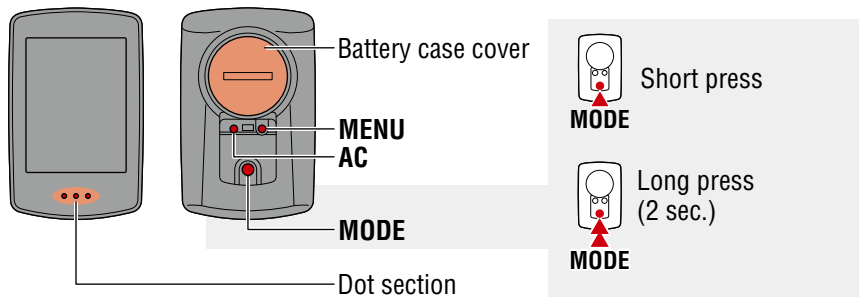
PADRONE DIGITAL

Pull free the PADRONE DIGITAL insulation sheet.

After you pull free the insulation sheet, return the battery cover to its previous location.

Close

Open

Insulation sheet
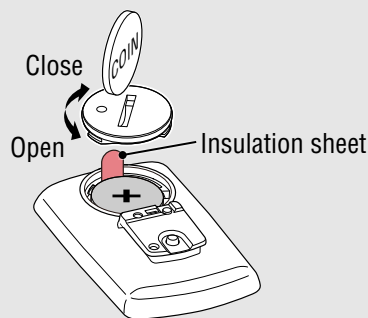
Smartphone

1 Install Cateye Cycling™ on your smartphone.

If using an iPhone

If using an Android smartphone

Download on the App Store

GET IT ON Google Play

Appendix

Setup with a smartphone (Cateye Cycling™)

. . . .

2 Launch Cateye Cycling™.

Follow the on-screen instructions and allow the use of GPS and Bluetooth® devices.

* At the moment you turn on the Bluetooth® in the smartphone setting, the smartphone OS will search for devices, but do not configure settings there. Switch to Cateye Cycling™ and follow the procedure below.

PADRONE DIGITAL

. . . .

3 Format (initialize) the unit.

While holding down **MENU** on the back of the PADRONE DIGITAL, press and release the **AC** button.
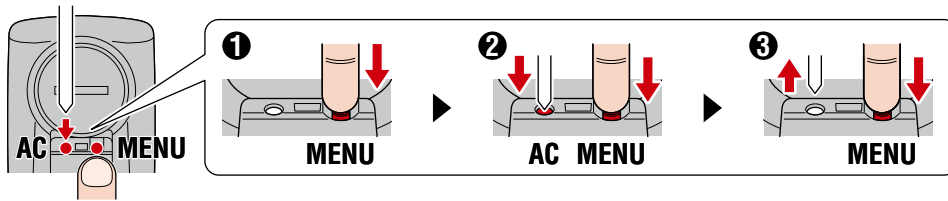
The whole display turns on, and then the smartphone search screen is displayed.

* All data is deleted and the unit is reset to the factory default settings.

* If the smartphone search screen is not displayed, the unit could not be formatted. Try to perform the operation again.

Smartphone

. . . .

4 Tap (Menu) at the top left of the screen, turn on [Connect] and tap [Device].

16
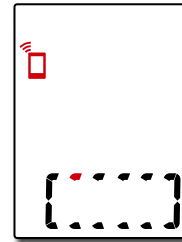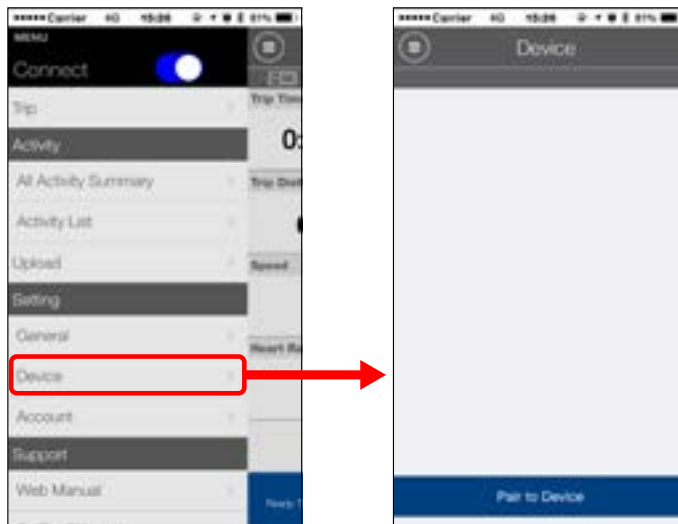
Setup with a smartphone (Cateye Cycling™)

● ●

5 Tap [Pair to Device] to start the pairing of the PADRONE DIGITAL and Cateye Cycling™.

When Cateye Cycling™ detects PADRONE DIGITAL, a message is displayed on the smartphone.

> New device detected. Device :
> PADRPNE DIGITAL CC-PA400B
>
> **Pairing**   Skip
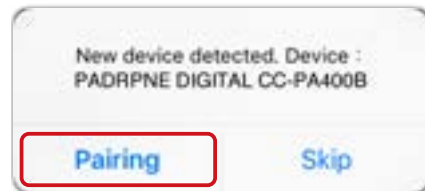
Tap [Pairing] to complete pairing.

* The clock of the PADRONE DIGITAL is synchronized with your smartphone when you connect these devices. There is no need to set the clock from the PADRONE DIGITAL.

● ●

6 Tap [Pair to Device] once again to start the pairing of the sensor and Cateye Cycling™.

> ⚠ **Caution!:**
>
> ● **To use the PADRONE DIGITAL, you have to pair it with a sensor that supports the Bluetooth® standard.**
>
> ● **Avoid pairing sensors at a race venue or in similar locations where there are a lot of other users. Doing so may cause the PADRONE DIGITAL to be paired with another device.**
>
> ● **Pairing of a third party sensor and the PADRONE DIGITAL:**
> **If you are an iPhone user, complete the setup with Cateye Cycling™, and then separately pair the third party sensor with the PADRONE DIGITAL.**
> "Pairing" (Page 25)
>
>   * **When using an iPhone, you cannot sync settings of third party sensors with the PADRONE DIGITAL.**

1

2
App
3/4

3

SET **4**

5

Setup with a smartphone (Cateye Cycling™)

. . . .

7 Activate the sensor.

Use one of the methods in the following table to activate the sensor.

CATEYE sensors	Activating the sensor	Display
Speed/Cadence sensor (ISC-12)	Move the magnet through the sensor zone several times. (Within 3 mm)	ISC
Heart rate sensor (HR-12) Optional	Rub both electrode pads with your thumbs.	HR

* With the speed/cadence sensor and heart rate sensor, you can also activate the sensor by pressing the **RESET** button.

When Cateye Cycling™ detects the sensor signal, a message is displayed on the smartphone.

New device detected. Device : CATEYE ISC-12

Pairing   Skip

Tap [Pairing]. The paired sensor is displayed under [Device] and pairing is completed.

* When pairing a sensor with Cateye Cycling™, an "**A**" is displayed after the sensor name.

. . . .

8 To pair multiple sensors, repeat the procedure from step 6.

Pair all sensors that you intend to use.

. . . .

9 Set the tire circumference for a sensor capable of speed measurement.

Tap [Sensor name] displayed under [Device], and then tap [Tire Circumference] (the outer circumference of the tire) to select the tire circumference according to the tire size written on the side of the tire.

* Default value: 2096 mm (700x23c)

* The tire circumference must be set for each sensor.

. . . .

10 If necessary, you can change the display of the PADRONE DIGITAL's measurement screen and its total distance value.

For details, see

. . . .

11 Tap 🟰 (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to a measurement screen to which the setup details have been applied.
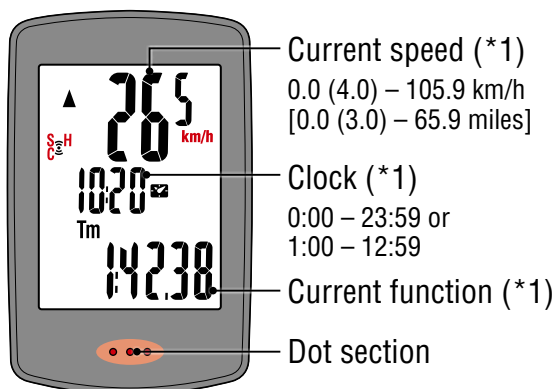
Starting measurement [Measurement screen]

Current speed (*1)
0.0 (4.0) – 105.9 km/h
[0.0 (3.0) – 65.9 miles]

Clock (*1)
0:00 – 23:59 or
1:00 – 12:59

Current function (*1)

Dot section

(*1) You can use the menu screen or the smartphone (Cateye Cycling™) to change the upper and middle displays and to change the selected function in the lower display.

- Changing settings (Page 22)
- Capabilities with a smartphone (Page 31)

Icon	Description
🛜	**Sensor signal icon** Flashes when a sensor signal is received. - **S:** Speed signal - **C:** Cadence signal - **H:** Heart rate signal (Optional)
▲▼	**Pace arrows** Indicates whether the current speed is faster (▲) or slower (▼) than the average speed.
M	**Memory alarm** This is displayed when the amount of remaining memory on the PADRONE DIGITAL is low. While this icon is displayed, the oldest files will be deleted in order to make room for new measurements.

On the measurement screen, press **MENU** to go to the menu screen.
Various settings can be changed on the menu screen.

MENU

* If you are using a smartphone, you can easily configure PADRONE DIGITAL settings from the smartphone.
For details, see "Capabilities with a smartphone" (Page 31).

Cover,
Introduction

1

2

Using the unit

Using the app

3
1/3

▼

SET 4

5

Appendix

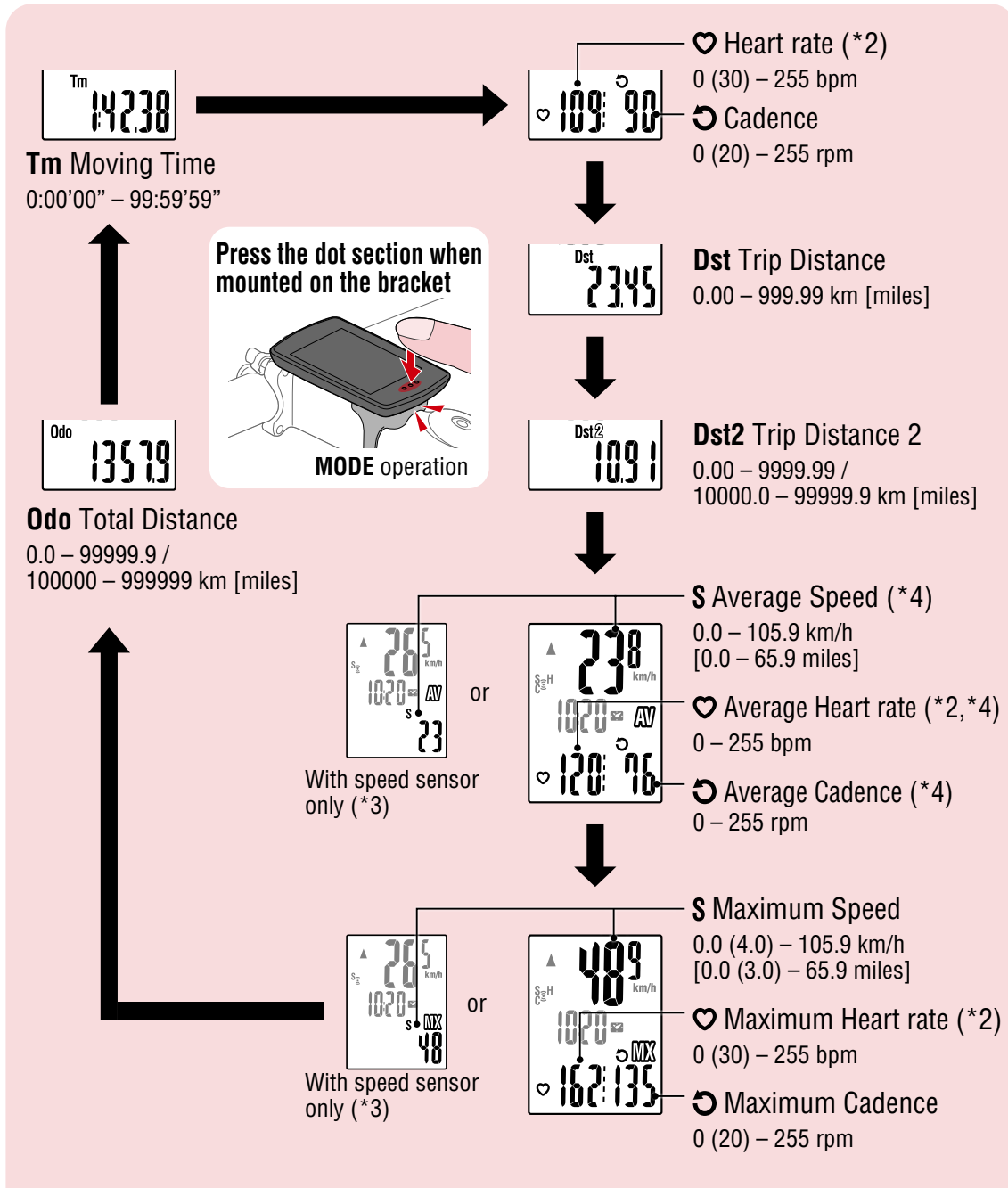## Switching current function

Pressing **MODE** switches the current function displayed at the bottom of the screen.

Tm *Moving Time*
0:00'00" – 99:59'59"

Press the dot section when mounted on the bracket

MODE operation

Odo *Total Distance*
0.0 – 99999.9 /
100000 – 999999 km [miles]

♡ Heart rate (*2)
0 (30) – 255 bpm
↺ Cadence
0 (20) – 255 rpm

Dst *Trip Distance*
0.00 – 999.99 km [miles]

Dst2 *Trip Distance 2*
0.00 – 9999.99 /
10000.0 – 99999.9 km [miles]

S Average Speed (*4)
0.0 – 105.9 km/h
[0.0 – 65.9 miles]
♡ Average Heart rate (*2,*4)
0 – 255 bpm
↺ Average Cadence (*4)
0 – 255 rpm

or

With speed sensor only (*3)

S Maximum Speed
0.0 (4.0) – 105.9 km/h
[0.0 (3.0) – 65.9 miles]
♡ Maximum Heart rate (*2)
0 (30) – 255 bpm
↺ Maximum Cadence
0 (20) – 255 rpm

or

With speed sensor only (*3)

(*2) Heart rate data will not be displayed unless heart rate sensor (Optional) is paired.

(*3) Regarding the average and maximum values, if only a speed sensor is paired, the upper display will show the current speed and the lower display will show the average speed or the maximum speed.

(*4) Average values are displayed as **.E** instead of the measured value when the moving time exceeds approximately 27 hours. The same applies to the average speed if the trip distance exceeds 1000 km.

* If the speed, cadence, or heart rate value flashes, the battery of the measuring sensor has reached the end of its service life.
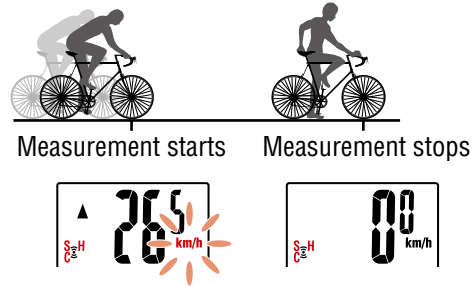
**Cover,
Introduction**

1

2

Using the unit

Using the app

3
3/3

SET **4**

5

Appendix

Starting/stopping measurement

Measurement starts automatically when the bicycle moves.
During measurement the measurement unit (**km/h** or **mph**) flashes.

Measurement starts   Measurement stops

Data reset (saving summary data)

Display data other than **Dst2** and press **MODE** for 2 second to reset all measurement data to 0 (excluding the total distance (**Odo**) and trip distance 2 (**Dst2**) values). At this time, the measurement results are saved as summary data to the internal memory of the PADRONE DIGITAL.
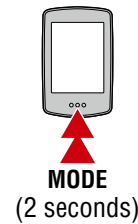
MODE
(2 seconds)

* The PADRONE DIGITAL can save up to 30 summary data files.
   When the memory is full, 🅜 (memory alarm) is displayed on the screen and the oldest data is overwritten to save new summary data.

* Importing summary data from the PADRONE DIGITAL's internal memory to a smartphone (Cateye Cycling™) clears the internal memory.

● **Resetting trip distance 2 (Dst2)**
   Display **Dst2** and press **MODE** for 2 second to reset only **Dst2** to 0.

Power-saving function

If the PADRONE DIGITAL does not receive any signal for 10 minutes, the power-saving screen is activated and only the clock is displayed.
If **MODE** is pressed or a sensor signal is received while the power-saving screen is activated, the PADRONE DIGITAL returns to the measurement screen.

Power-saving screen

10 minutes

1 hour

Sleep

MODE

* When the PADRONE DIGITAL is left on the power-saving screen for 1 hour, the display only shows the measurement unit. When the PADRONE DIGITAL is in this state, you can return to the measurement screen by pressing **MODE**.

21
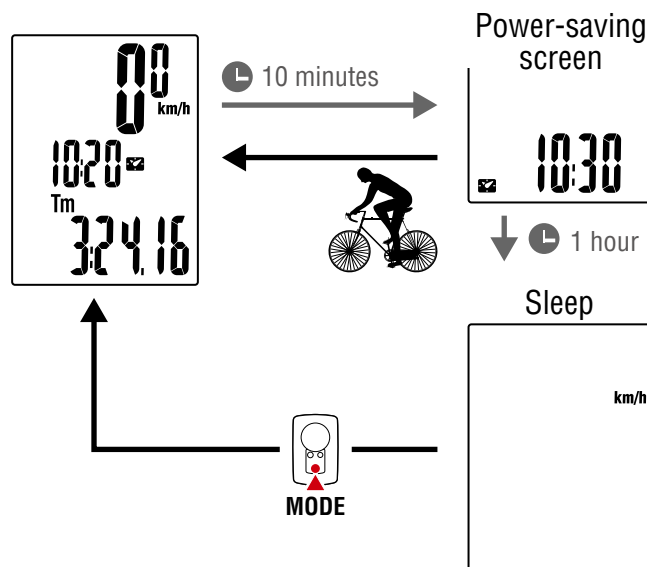
Changing settings

[Menu screen]

On the measurement screen, press **MENU** to go to the menu screen.

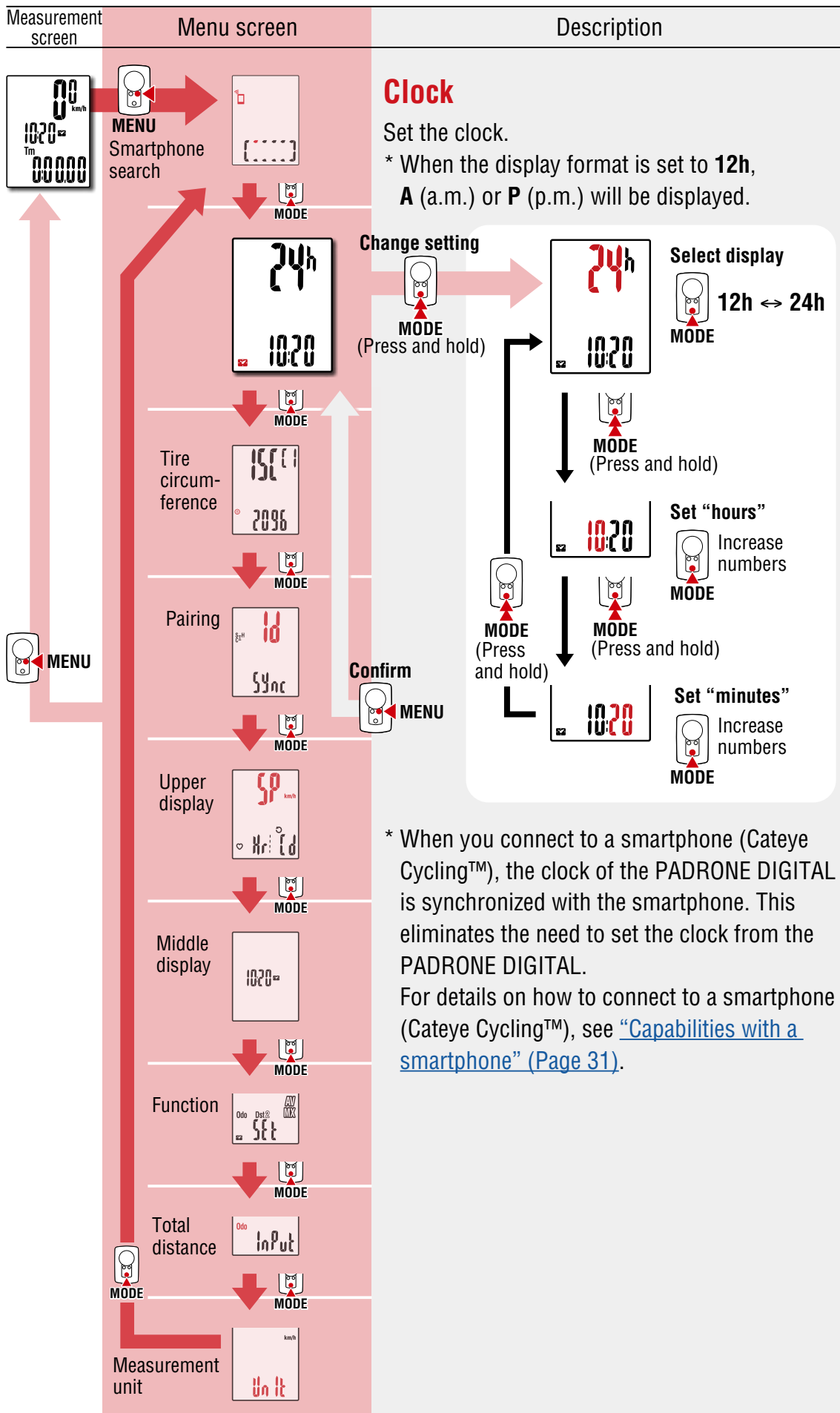Various settings can be changed on the menu screen.

* After changing settings, always press **MENU** to confirm changes.
* When the menu screen is left on for 1 minute, the PADRONE DIGITAL returns to the measurement screen.

Measurement screen	Menu screen	Description
	MENU	**Smartphone search** Operate the smartphone (Cateye Cycling™) on this screen to connect the PADRONE DIGITAL to the smartphone. * For details on how to operate and use the smartphone (Cateye Cycling™), see "Capabilities with a smartphone" (Page 31).
	MODE Clock	
	MODE Tire circum-ference	
	MODE Pairing	
	MODE Upper display	
	MODE Middle display	
	MODE Function	
	MODE Total distance	
MENU **MODE**	**MODE** Measurement unit	

22

Measurement screen	Menu screen	Description

MENU
Smartphone search

MODE

Change setting

MODE
(Press and hold)

Select display

12h ↔ 24h

MODE

MODE
(Press and hold)

Set "hours"
Increase numbers

MODE

MODE
(Press and hold)

MODE
(Press and hold)

Set "minutes"
Increase numbers

MODE

MODE
(Press and hold)

Clock

Set the clock.

* When the display format is set to **12h**,
A (a.m.) or **P** (p.m.) will be displayed.

MENU

Tire circumference

MODE

Pairing

Confirm
MENU

MODE

Upper display

MODE

Middle display

MODE

Function

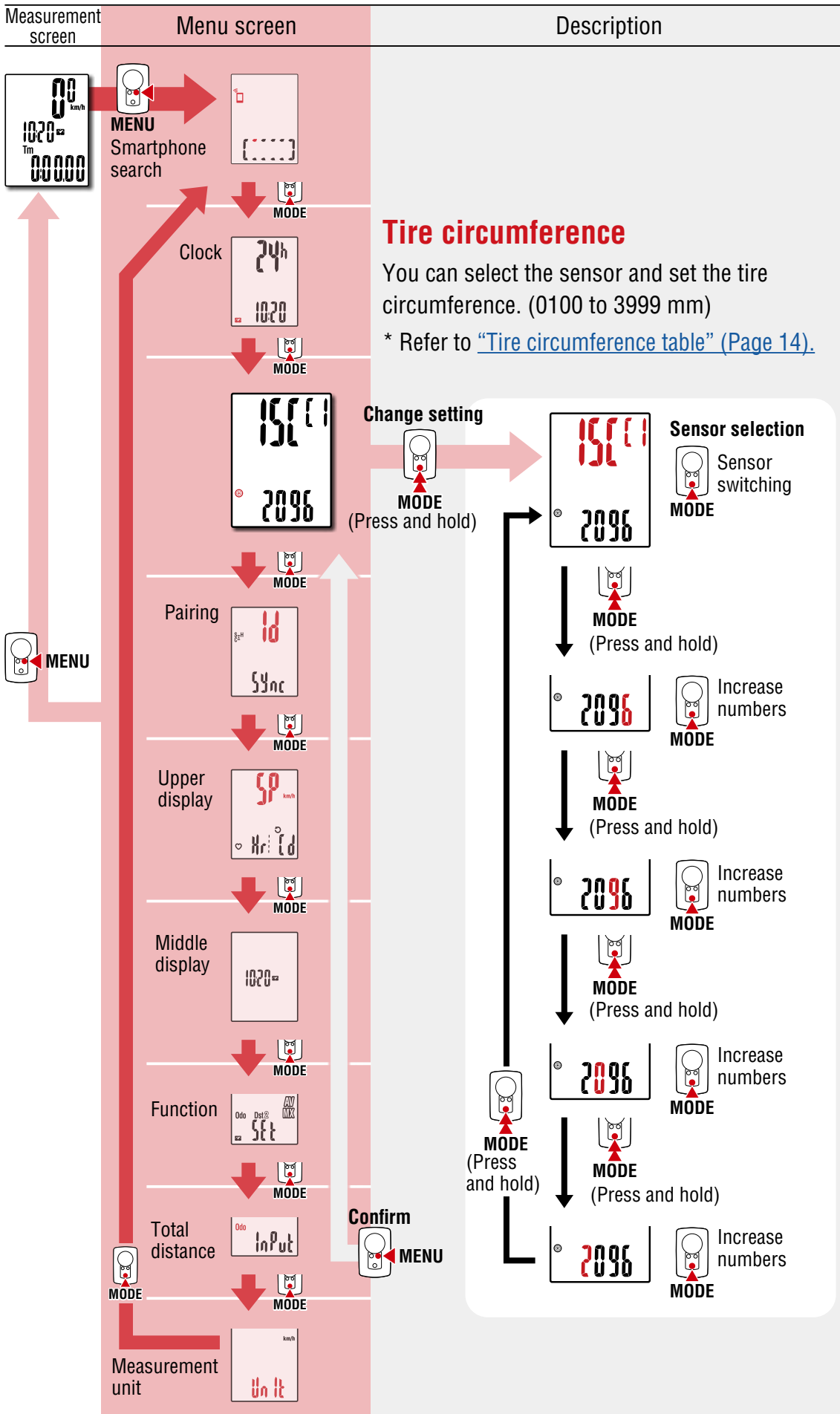**MODE**

Total distance

MODE

MODE

Measurement unit

* When you connect to a smartphone (Cateye Cycling™), the clock of the PADRONE DIGITAL is synchronized with the smartphone. This eliminates the need to set the clock from the PADRONE DIGITAL.
For details on how to connect to a smartphone (Cateye Cycling™), see <u>"Capabilities with a smartphone" (Page 31)</u>.
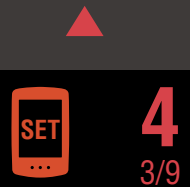
1

2

Using the unit

Using the app

3

▲

SET **4** 2/9

▼

5

Appendix

Measurement screen	Menu screen	Description

1

MENU
Smartphone search

MODE

Clock

2

Using the unit

Using the app

MODE

Tire circumference

You can select the sensor and set the tire circumference. (0100 to 3999 mm)

* Refer to "Tire circumference table" (Page 14).

Change setting

MODE
(Press and hold)

Sensor selection

Sensor switching

MODE

MODE

MENU

3

MODE
(Press and hold)

Increase numbers

MODE

Pairing

SYnc

MODE

Upper display

MODE
(Press and hold)

Increase numbers

MODE

Middle display

SET

4
3/9

MODE
(Press and hold)

Increase numbers

MODE

Function

MODE
(Press and hold)

Increase numbers

MODE

MODE

MODE
(Press and hold)

Confirm

MENU

Total distance

InPut

MODE
(Press and hold)

Increase numbers

MODE

5

MODE

MODE

Measurement unit

Un It

Appendix

Measurement screen	Menu screen	Description

Pairing

You can pair the unit with a sensor.

MENU
Smartphone search

Clock

Tire circumference

MODE

MODE

MODE

MODE

MENU

Upper display

Middle display

Function

Total distance

MODE

MODE

MODE

MODE

MODE

Measurement unit

⚠ **Caution!:**

● **To use the PADRONE DIGITAL, you have to pair it with a sensor that supports the Bluetooth® standard.**

● **Avoid pairing sensors at a race venue or in similar locations where there are a lot of other users. Doing so may cause the PADRONE DIGITAL to be paired with another device.**

Change setting

MODE
(Press and hold)

Re-verify (*5)

MODE
(Press and hold)

Confirm

MENU

Pairing standby screen
Use one of the methods in the following table to activate the sensor.

Sensor signal

Pairing complete
The name of the sensor is shown in the upper display.

Activating the sensor

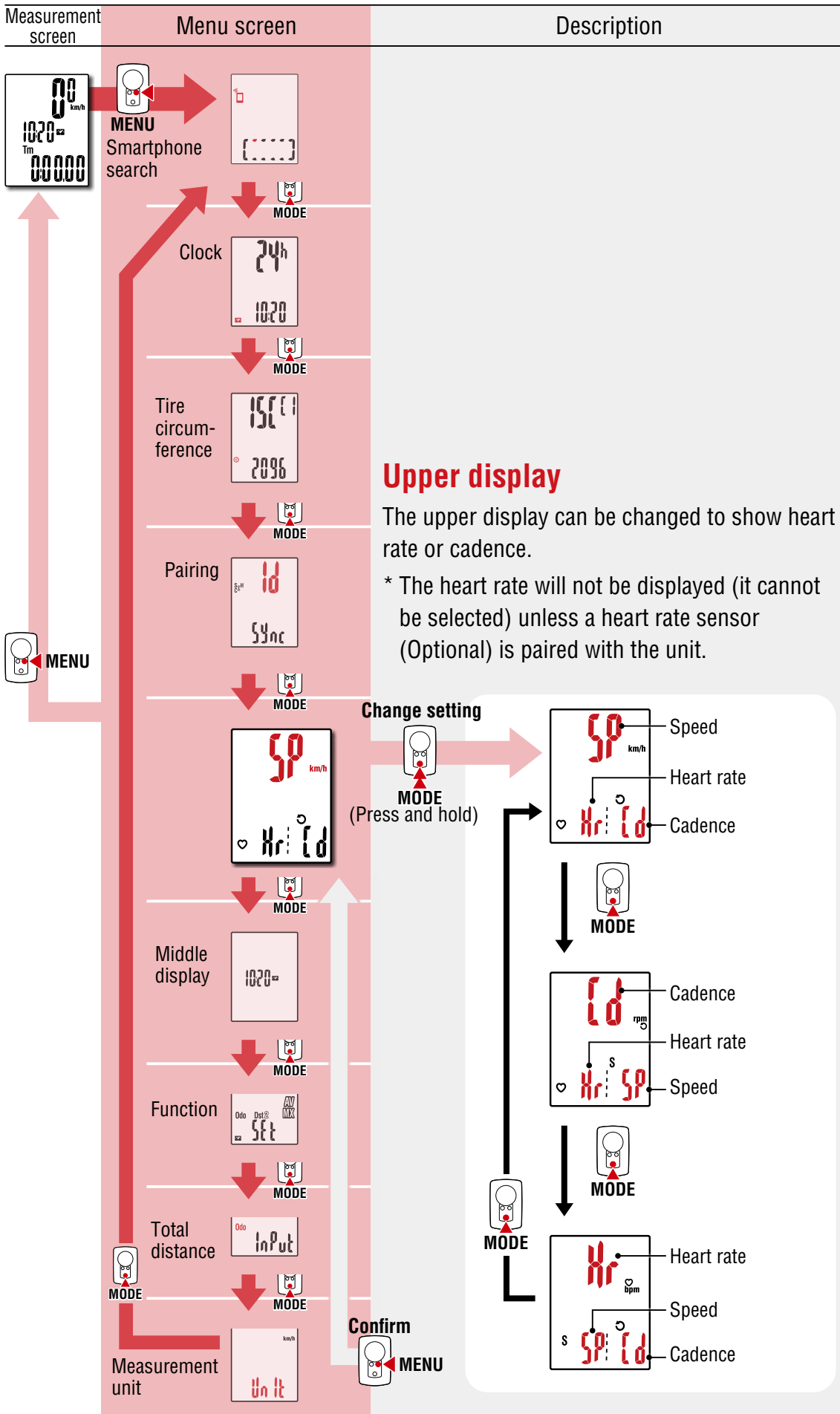| CATEYE sensors	Activation method	Display
Speed/ Cadence sensor (ISC-12)	Move the magnet through the sensor zone several times. (Within 3 mm)	ISC
Heart rate sensor (HR-12) Optional	Rub both electrode pads with your thumbs.	Hr

* With the speed/cadence sensor and heart rate sensor, you can also activate the sensor by pressing the **RESET** button.

* When pairing a sensor with the PADRONE DIGITAL, a "**C**" is displayed after the sensor name.

(*5) To continuously pair multiple sensors, hold down **MODE** without confirming the settings to return to the pairing standby screen, and then repeat the same procedure. Pair all sensors that you intend to use.
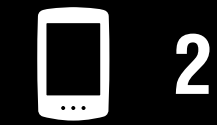
1

2

Using the unit

Using the app

3

SET **4**
4/9

5

Appendix

Changing settings [Menu screen]

Measurement screen	Menu screen	Description

MENU Smartphone search

Clock

Tire circumference

Pairing

MENU

Upper display

The upper display can be changed to show heart rate or cadence.

* The heart rate will not be displayed (it cannot be selected) unless a heart rate sensor (Optional) is paired with the unit.

Change setting

MODE (Press and hold)

SP — Speed
Xr Cd — Heart rate / Cadence

MODE

Cd — Cadence
Xr SP — Heart rate / Speed

MODE

MODE

Xr — Heart rate
SP Cd — Speed / Cadence

Middle display

Function

Total distance

MODE

Measurement unit

Confirm **MENU**

Cover, Introduction

1

2

Using the unit

Using the app

3

▲

SET **4**
6/9

▼

5

Appendix

Measurement screen	Menu screen	Description

MENU
Smartphone search

MODE

Clock

MODE

Tire circumference

MODE

Pairing

MODE

Upper display

MODE

MENU

MODE

Function

MODE

Total distance

MODE

MODE

Measurement unit

Middle display

The middle display can be changed to show trip distance or moving time.

Change setting

MODE
(Press and hold)

Clock

MODE

2345 Dst — Trip Distance

MODE

MODE

14238 Tm — Moving Time

Confirm

MENU

Measurement screen	Menu screen	Description

MENU Smartphone search

Function

You can select certain functions to display or hide.

Clock

Trip Distance
Odo Dst2
On
ON (displayed)/ OFF (hidden) switching
MODE

MODE (Press and hold)

Tire circumference

Trip Distance 2
On
ON (displayed)/ OFF (hidden) switching

MODE (Press and hold)

Pairing
Id
Sync

Average
On
ON (displayed)/ OFF (hidden) switching

MODE (Press and hold)

Upper display
SP
Hr: Cd

Maximum
On
ON (displayed)/ OFF (hidden) switching

MODE (Press and hold)

Middle display
1020

Change setting
MODE (Press and hold)

Total Distance
Odo
On
ON (displayed)/ OFF (hidden) switching

MODE (Press and hold)

Set

MODE (Press and hold)

Total distance
InPut

Clock
On
ON (displayed)/ OFF (hidden) switching
MODE

Confirm
MENU

Measurement unit
Unit

1 2 Using the unit / Using the app **3 4** 7/9 **5** Appendix

28

Measurement screen	Menu screen	Description

MENU
Smartphone search

Clock

Tire circum-ference

Pairing

Upper display

Middle display

Function

MODE

Measurement unit

MENU

MODE

Confirm
MENU

Total distance

Set total distance traveled manually.
(0 – 999999 km [mile])

* Decimal values cannot be entered.

* You can start from the value you entered for total distance.

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Change setting
MODE (Press and hold)

Odo InPut

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

MODE (Press and hold)

Odo 001357 — Increase numbers **MODE**

1

2

Using the unit

Using the app

3

▲

SET **4**
8/9

▼

5

Appendix

29

Measurement screen	Menu screen	Description

MENU
Smartphone search

↓ **MODE**

Clock

↓ **MODE**

Tire circum-ference

↓ **MODE**

Pairing

↓ **MODE**

Upper display

↓ **MODE**

Middle display

↓ **MODE**

Function

↓ **MODE**

Total distance

↓ **MODE**

MENU

MODE

Measurement unit

Select the measurement unit (**km/h** or **mph**)

Change setting

MODE
(Press and hold)

Confirm

MENU

Un lt

km/h

Un lt

MODE km/h↔mph

30

Capabilities with a smartphone

By connecting the PADRONE DIGITAL to a smartphone (Cateye Cycling™), the measurement data can be managed and PADRONE DIGITAL settings changed from the smartphone.

To connect to a smartphone, install Cateye Cycling™ and perform pairing with PADRONE DIGITAL.

The following can be performed on a smartphone (Cateye Cycling™).
Please select the desired item.

* Restart Cateye Cycling™ if a connection between a paired PADRONE DIGITAL cannot connect with the smartphone (Cateye Cycling™).
  If this does not resolve the issue, restart your smartphone.

Cover, Introduction

1

2

Using the unit

Using the app

3

SET 4

5
1/10

Appendix

Importing measurement results to a smartphone

* You can import measurement results by connecting the PADRONE DIGITAL to a smartphone.

PADRONE DIGITAL

---

1 On the measurement screen, press **MENU** to display the smartphone search screen.
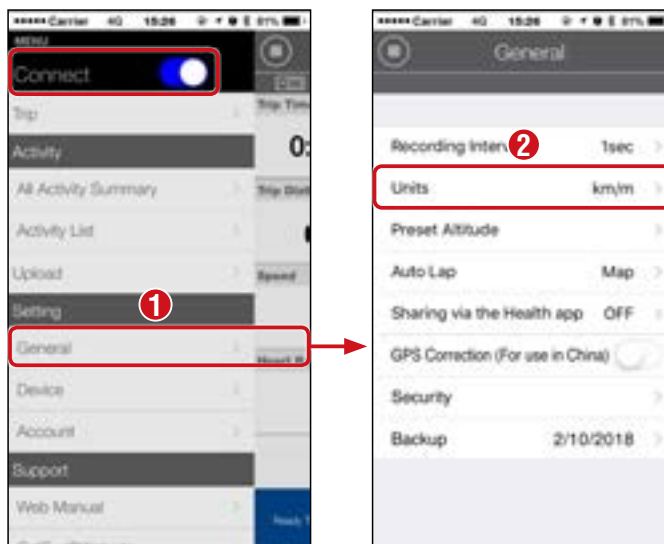

Measurement screen   ◀ MENU   Smartphone search screen

Smartphone

---
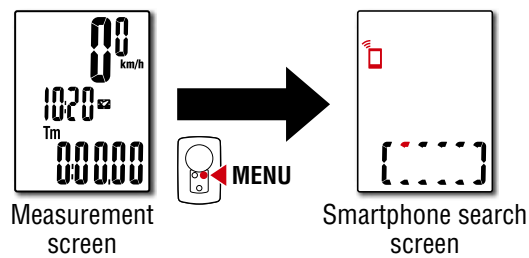
2 Launch Cateye Cycling™, tap 🖹 (Menu) and set [Connect] to ON.

[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure below.
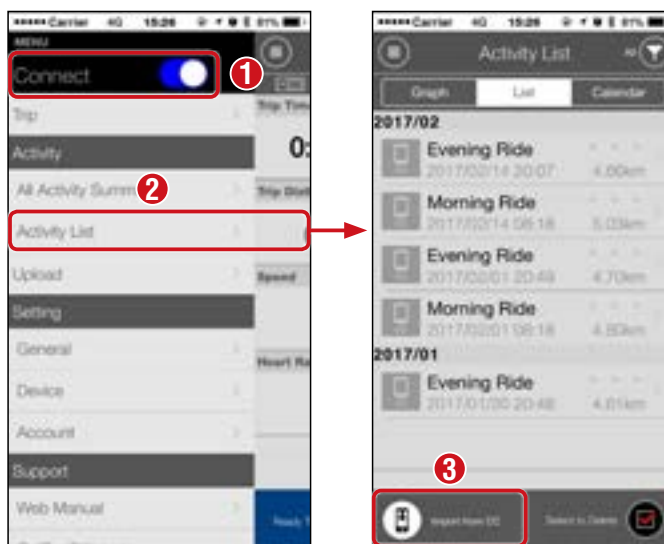
* If summary data (Measurement results) is not saved on the PADRONE DIGITAL, the 🖳 button is not displayed.

* Measured values that have not been reset cannot be imported. Before connecting to a smartphone, perform reset operations with the PADRONE DIGITAL.

---

3 Tap 🖹 (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen.

Check/upload the imported measurement results.

* You can only check measurement results and upload to service sites using a smartphone.

Smartphone

1 Launch Cateye Cycling™ and tap [Activity List] in ☰ (Menu).

Then tap the screen in the following order.
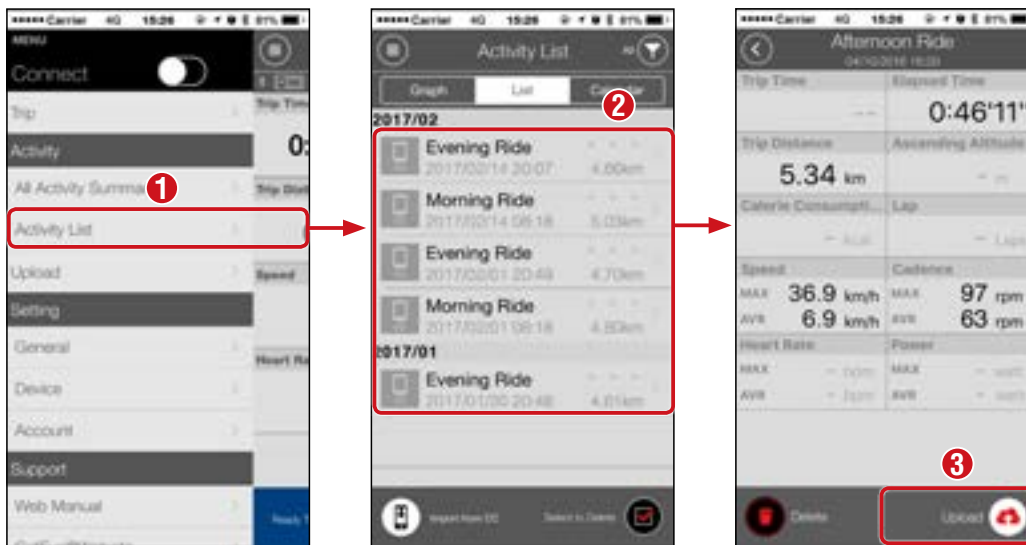
* To upload, you must have a registered account with the relevant service site and [Account] settings on the next page must be completed.

* Creating a backup of the activity list is possible.

For details, see .

33

Account settings

* You can setup service site account only on a smartphone.

Smartphone

1 Launch Cateye Cycling™ and tap [Account] in ☰ (Menu).

Then tap the screen in the following order.

1

2

Using the unit

Using the app

3

SET **4**

▲

5
4/10

▼

Appendix

34
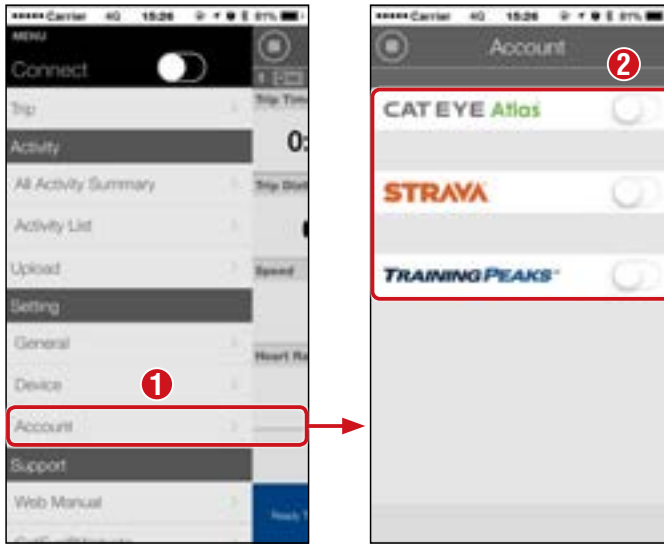
Changing the measurement unit (km/h or mph)

* You can change the measurement units by connecting the PADRONE DIGITAL to a smartphone.

PADRONE DIGITAL

1 On the measurement screen, press **MENU** to display the smartphone search screen.

Measurement screen   Smartphone search screen
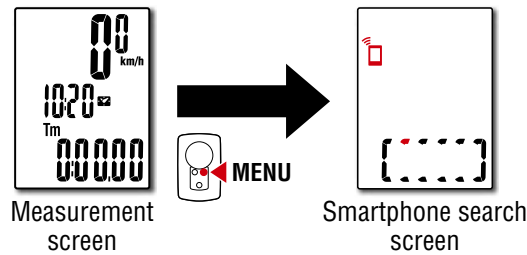
Smartphone

2 Launch Cateye Cycling™, tap (Menu) and set [Connect] to ON.

[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure below.

* Settings other than for [Units] cannot be performed by the PADRONE DIGITAL.

3 Tap (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen to which the setup details have been applied.

Measurement screen customization

* You can customize the measurement screen by connecting the PADRONE DIGITAL to a smartphone.

PADRONE DIGITAL

1 On the measurement screen, press **MENU** to display the smartphone search screen.

Measurement screen ◄MENU Smartphone search screen

Smartphone

2 Launch Cateye Cycling™, tap (Menu) and set [Connect] to ON.

[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure below.

3 Tap (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen to which the setup details have been applied.

1

2

Using the unit

Using the app

3

SET 4

▲

5
6/10

▼

Appendix
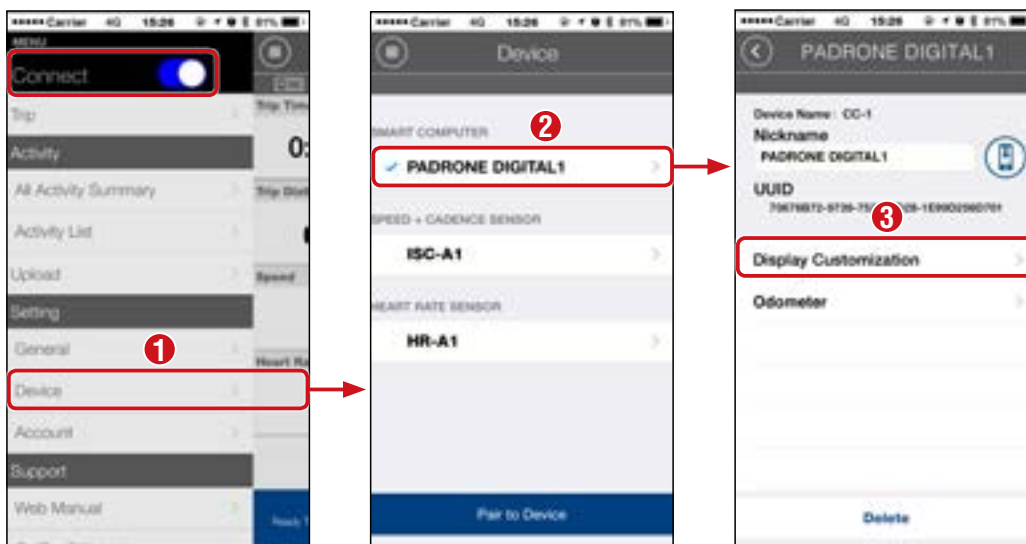
Input the initial settings for total distance

* You can input the total distance by connecting the PADRONE DIGITAL to a smartphone.

PADRONE DIGITAL

1 On the measurement screen, press **MENU** to display the smartphone search screen.

Measurement screen   MENU   Smartphone search screen

Smartphone

2 Launch Cateye Cycling™, tap ⊜ (Menu) and set [Connect] to ON.

[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure below.

3 Tap ⊜ (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen to which the setup details have been applied.

1

2

Using the unit

Using the app

3

SET 4

▲

5
7/10

▼

Appendix
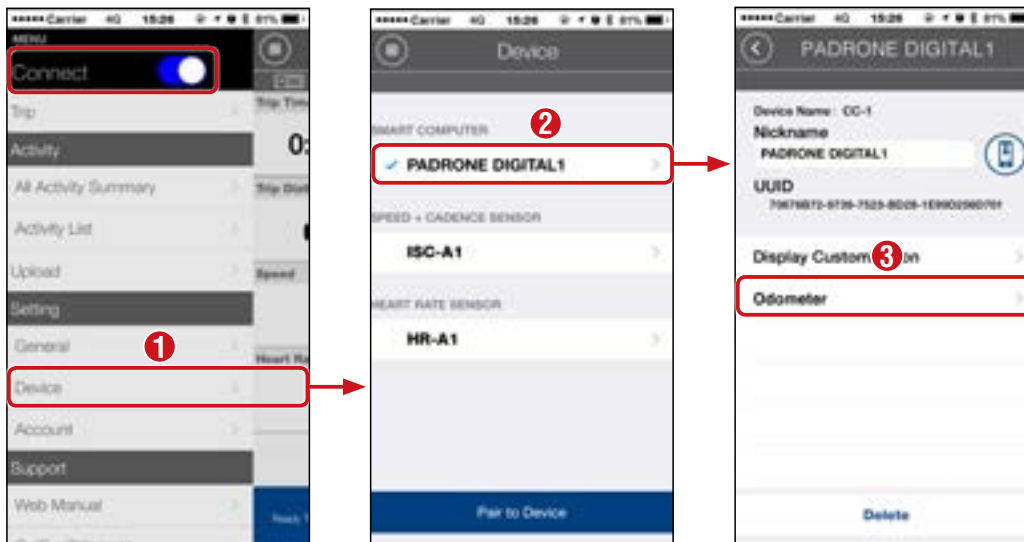
Adding a new sensor

⚠ **Caution!:**

● **To use the PADRONE DIGITAL, you have to pair it with a sensor that supports the Bluetooth® standard.**

● **Avoid pairing sensors at a race venue or in similar locations where there are a lot of other users. Doing so may cause the PADRONE DIGITAL to be paired with another device.**

● **Pairing of a third party sensor and the PADRONE DIGITAL:**

If using a third party sensor with an iPhone, go back to ⊜ (Menu), set [Connect] to OFF and perform pairing with the PADRONE DIGITAL.

  * **When using an iPhone, you cannot sync settings of third party sensors with the PADRONE DIGITAL.**

* The sensor can be paired even when the PADRONE DIGITAL is not connected to a smartphone. In this case, sensor information will be synchronized with the PADRONE DIGITAL when connected to a smartphone.

PADRONE DIGITAL

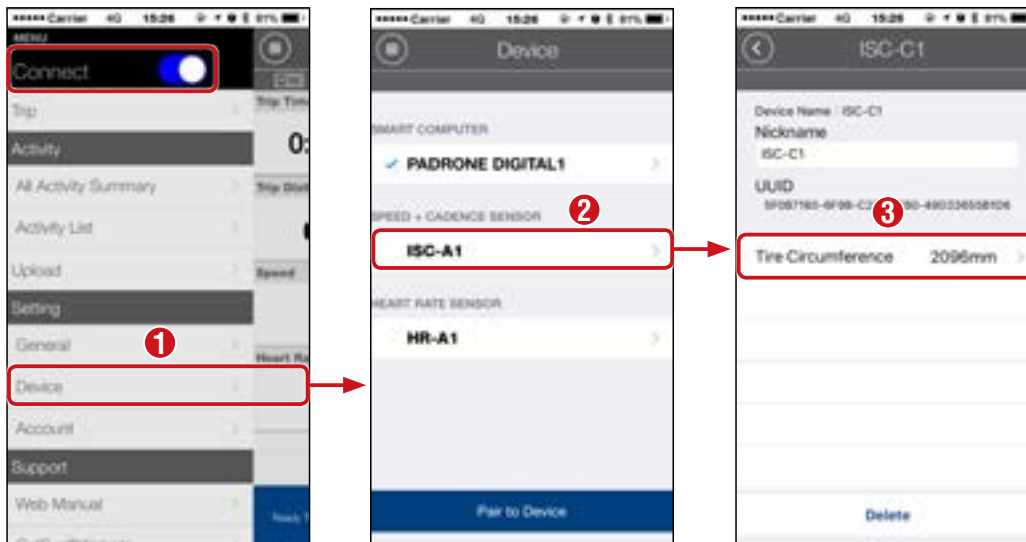**1** On the measurement screen, press **MENU** to display the smartphone search screen.

Measurement screen   MENU   Smartphone search screen
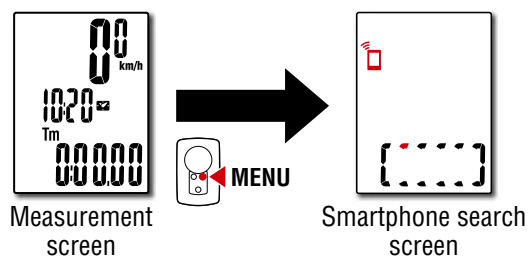
Smartphone

2 Launch Cateye Cycling™, tap ⊜ (Menu) and set [Connect] to ON.
[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure on the next page.

1

2

Using the unit

Using the app

3

SET **4**

▲

5
8/10

▼

Appendix

Adding a new sensor
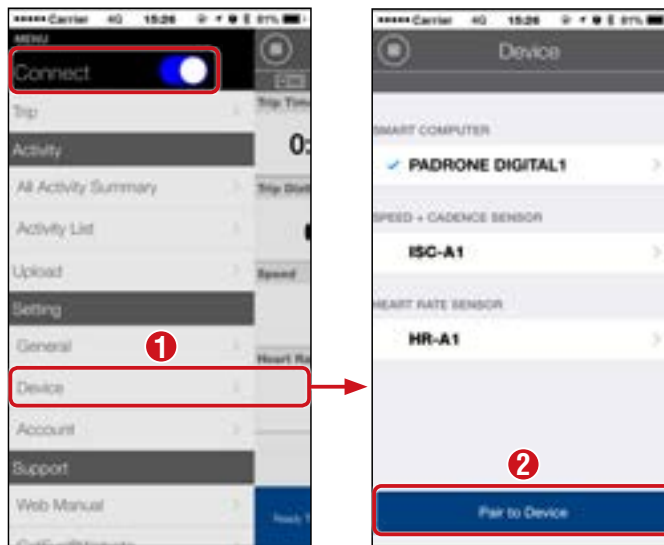
After tapping [Pair to Device], activate the added sensor using the procedure in the following table.

CATEYE sensors	Activating the sensor	Display
Speed/Cadence sensor (ISC-12)	Move the magnet through the sensor zone several times. (Within 3 mm)	**ISC**
Heart rate sensor (HR-12) Optional	Rub both electrode pads with your thumbs.	**HR**

* With the speed/cadence sensor and heart rate sensor, you can also activate the sensor by pressing the **RESET** button.

When Cateye Cycling™ detects the sensor signal, a message is displayed on the smartphone.

When [Pairing] is tapped, the name of the synchronized sensor is displayed and pairing is completed.

* When pairing a sensor with Cateye Cycling™, an "**A**" is displayed after the sensor name.

3 Tap 🔲 (Menu) at the top left of the screen, set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and the new sensor will be ready to use.

39

Changing sensor tire circumference values

* You can change the tire circumference by connecting the PADRONE DIGITAL to a smartphone.

PADRONE DIGITAL

1 On the measurement screen, press **MENU** to display the smartphone search screen.

Measurement screen

MENU

Smartphone search screen

Smartphone

2 Launch Cateye Cycling™, tap (Menu) and set [Connect] to ON.
[Reading data from computer...] will be displayed and the smartphone will connect with the PADRONE DIGITAL. Then follow the procedure below.

3 Tap (Menu) at the top left of the screen, set [Connect] to OFF.
The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen to which the setup details have been applied.

40

1

2

Using the unit

Using the app

3

SET **4**

▲

5
10/10

Appendix

Appendix

⚠ Warning!!! / Caution!

⚠ Warning!!!:

● Do not concentrate on the PADRONE DIGITAL while riding. Always ride safely.

● Mount the magnet, sensor, and bracket securely, and check them periodically to ensure that they are not loose.

● If a battery is swallowed accidentally, consult a doctor immediately.

⚠ Caution!:

● Do not leave the PADRONE DIGITAL in direct sunlight for a long period of time.

● Do not disassemble the PADRONE DIGITAL.

● Do not drop the PADRONE DIGITAL. Doing so may result in malfunction or damage.

● When pressing the **MODE** button with the PADRONE DIGITAL installed on the bracket, press the area around the dot section on the front of the PADRONE DIGITAL. Pressing other areas strongly may result in malfunction or damage.

● Always tighten the bracket band dial by hand. Using a tool or other object to tighten the dial may crush the screw thread.

● When cleaning the PADRONE DIGITAL and accessories, do not use thinners, benzine, or alcohol.

● Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

● The LCD screen may be distorted when viewed through polarized sunglass lenses.

Bluetooth®

Interference occurs in the following places and/or environments, which may result in an incorrect measurement.

● Near TVs, PCs, radios, or motors or in cars or trains.

● Near railroad crossings, along railway tracks, around television transmitting stations and radar bases, etc.

● When used together with other wireless devices (including other Bluetooth® products) or some particular battery lights.

CC-PA400B	Frequency Band: 2.4 GHz	Radiated Power: -5.7 dBm (0.269 mW) at EIPR
ISC-12	Frequency Band: 2.4 GHz	Radiated Power: -9.24 dBm
HR-12	Frequency Band: 2.4 GHz	Radiated Power: -0.09 dBm

Hereby, CATEYE Co., Ltd. declares that the radio equipment type CC-PA400B / ISC-12 / HR-12 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: cateye.com/doc
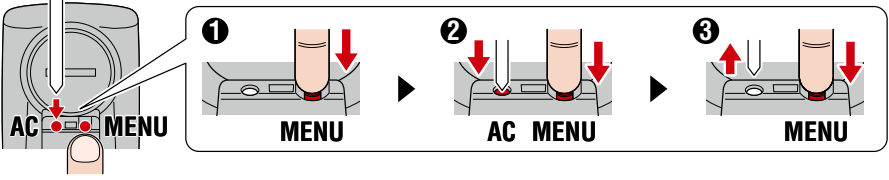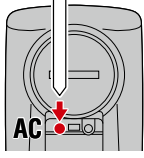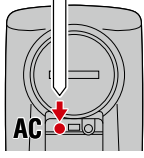
Differences between formatting and restarting

Action	Description
Formatting	Perform this action when you use the unit for the first time and when you delete all the measured data and return the settings to their default values. **Operation**
Restarting	Perform this action when you replace the battery of the PADRONE DIGITAL or when its display is abnormal. Restarting maintains the data shown below. ● Measurement unit ● Clock ● Sensor pairing information and tire circumference ● Upper and middle displays ● Function ● Total distance ● Summary data that has been reset and saved **Operation**

Maintenance

If the PADRONE DIGITAL or accessories become dirty, clean with a soft cloth which is moistened with mild soap.

Backing up or restoring the activity list (from a smartphone)

Creating a backup of the activity list allows users to import their most recent activity list when reinstalling Cateye Cycling™ or when changing smartphone models.

● **Backing up**

If using an iPhone, make sure iCloud Drive is turned on under [Settings] > [(Your Name)] > [iCloud].
In Cateye Cycling™, tap ⊜ (Menu) > [General] > [Backup], and then tap [Backup]. Backups are created in iCloud Drive on iPhones, and Google Drive on Android smartphones.

● **Restoring**

In Cateye Cycling™, tap ⊜ (Menu) > [General] > [Backup], and then tap [Restore]. The activity list at the time the backup was created will be restored to Cateye Cycling™.

Connecting a currently used PADRONE DIGITAL to a smartphone

This method can be used to connect a currently used PADRONE DIGITAL to a smartphone.

Smartphone

1 Install Cateye Cycling™ on your smartphone.

If using an iPhone

Download on the App Store

If using an Android smartphone

GET IT ON Google Play

2 Open the Cateye Cycling™ app.

Follow the on-screen instructions and allow the use of GPS and Bluetooth® devices.

* At the moment you turn on the Bluetooth® in the smartphone setting, the smartphone OS will search for devices, but do not configure settings there. Switch to Cateye Cycling™ and follow the procedure below.

PADRONE DIGITAL

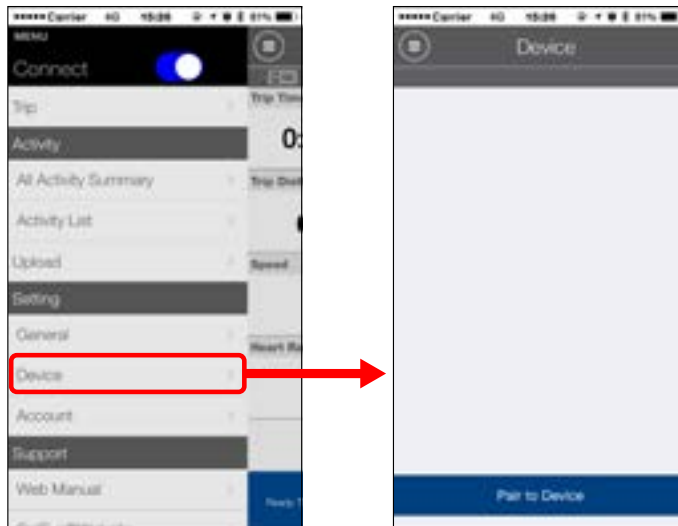**3** On the measurement screen, press **MENU** to display the smartphone search screen.
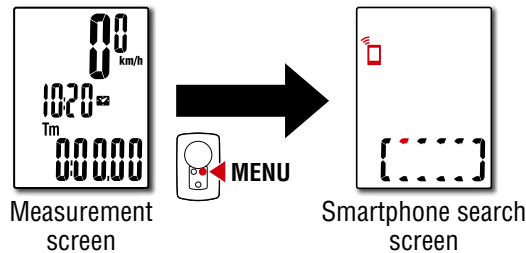
MENU

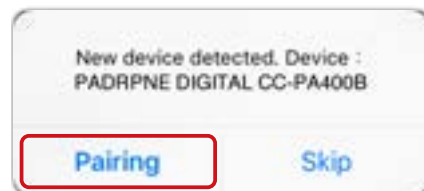Measurement screen

Smartphone search screen

Smartphone

4 Tap 🗐 (Menu) at the top left of the screen, turn on [Connect] and tap [Device].

5 Tap [Pair to Device] to start the pairing of the PADRONE DIGITAL and Cateye Cycling™.

When Cateye Cycling™ detects PADRONE DIGITAL, a message is displayed on the Cateye Cycling™ app.

Tap [Pairing] to complete pairing.

* When the smartphone and the PADRONE DIGITAL are connected, the following information will be synchronized.

• The clock time on the PADRONE DIGITAL will be synchronized with the smartphone.

• Sensor information will be synched from the PADRONE DIGITAL to the smartphone. (Third party sensor information will not be transferred.)

6 Close Cateye Cycling™ app or tap 🗐 (Menu) in the upper-left corner of the screen, and set [Connect] to OFF.

The PADRONE DIGITAL disconnects from the smartphone and switches to the measurement screen.

1

2

Using the unit

Using the app

3

SET **4**

5

▲

▼

Replacing the battery

● PADRONE DIGITAL

When ▭ (battery icon) is displayed on the screen, it is time to replace the battery. Install a new lithium battery (CR2032) with the (+) side facing upward.

* After replacing the battery, always press only the **AC** button to restart the unit. The total distance value and the setting values will be maintained.

Close

Open **CR2032**

Restart operation

AC
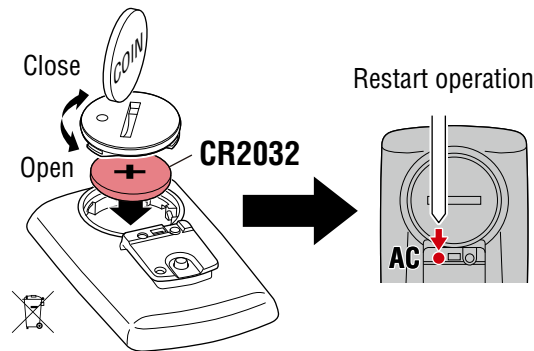
● Speed/Cadence sensor (ISC-12)

If the current speed or cadence display of the PADRONE DIGITAL starts flashing, it is time to replace the battery. Install a new lithium battery (CR2032) so that the (+) side is visible, and then close the battery cover securely.

* After replacing the battery, always press the **RESET** button on the back of the unit and adjust the position of the sensor relative to the magnet according to "Mounting the speed/cadence sensor (ISC-12)" (Page 5)

Press **RESET**.

Close

Open
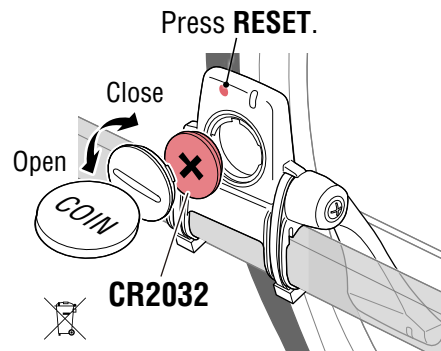
CR2032

● Heart rate sensor (HR-12) Optional

If the heart rate display of the PADRONE DIGITAL starts flashing, it is time to replace the battery. Install a new lithium battery (CR2032) so that the (+) side is visible, and then close the battery cover securely.

* After replacing the battery, always press the **RESET** button.

Close

Open **CR2032**

Press **RESET**.
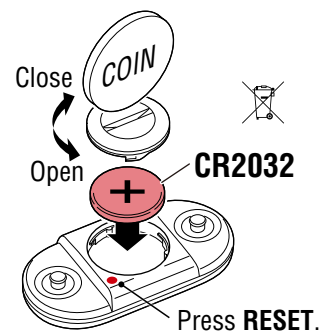
* For detailed explanations on how to use CATEYE sensors such as mounting, or pairing, see the sensor's Online Manual (on our website).

Using the unit

Using the app

1

2

3

4

5

Troubleshooting

PADRONE DIGITAL: Measurement does not work
The PADRONE DIGITAL does not switch to the measurement screen. What should I do? ● Is ⧉ flashing on the PADRONE DIGITAL? The PADRONE DIGITAL is connected to a smartphone. Set [Connect] to [OFF] in the ☰ (Menu) of the smartphone (Cateye Cycling™) or close Cateye Cycling™.
Why is the sensor signal not being received? ● If using a smartphone (Cateye Cycling™), is [Connect] set to [ON] in the ☰ (Menu)? Set [Connect] to [OFF] or close Cateye Cycling™. ● Are you using another smartphone application that is connecting to the Bluetooth® sensor? The Bluetooth® sensor may be connected to the smartphone. Bluetooth® sensors are only able to connect with a single device at a time. Stop using all other apps or change the app settings so that it does not connect to Bluetooth® sensors. ● Turn off Bluetooth® on your smartphone, as the sensor may be connected to the smartphone. Confirm that the sensor gets connected with the PADRONE DIGITAL. It is recommended that Bluetooth® is turned off on your smartphone when the sensor disconnects easily. ● Are you also using other wireless devices simultaneously (including other Bluetooth® products)? Stop using the devices simultaneously and confirm that the connection is restored. ● Press the **RESET** button on the sensor that cannot connect. Confirm that the sensor gets connected with the PADRONE DIGITAL.

Troubleshooting

PADRONE DIGITAL: Measurement does not work

Why is the sensor signal not being received? (Continued)

- Is the sensor paired with the unit?

The sensor must be paired with the PADRONE DIGITAL. Perform the pairing with the PADRONE DIGITAL or with a smartphone (Cateye Cycling™).

- PADRONE DIGITAL: <u>"Pairing" (Page 25)</u>

- Smartphone: <u>"Adding a new sensor" (Page 38)</u>

> ⚠ **Caution!: Pairing of a third party sensor and the PADRONE DIGITAL**
> **If using a third party sensor with an iPhone, go back to ☰ (Menu), set [Connect] to OFF and perform pairing with the PADRONE DIGITAL.** <u>"Pairing" (Page 25)</u>
> *** When using an iPhone, you cannot sync settings of third party sensors with the PADRONE DIGITAL.**

- Is the PADRONE DIGITAL or sensor battery flat?
  * Battery performance diminishes in winter.

Replace the batteries with new ones as described in <u>"Replacing the battery" (Page 45).</u>

If speed sensor signals or cadence sensor signals are not received

- Is the clearance between the sensor zone of the sensor and the magnet too large? (The clearance must be within 3 mm.)
- Does the magnet pass through the sensor zone correctly?

Adjust the position of the magnet and/or the speed sensor.

If heart rate signals are not received (Optinal)

- The electrode pad may have slipped out of position.

Check that the electrode pad is still in close contact with your body.

- Your skin may be dry.

Wet the electrode pad a little.

- The electrode pad may have deteriorated or become damaged due to prolonged usage.

If this is the case, replace the attachment belt with a new one.

1

2

Using the unit

Using the app

3

SET **4**

5

▲

▼

Troubleshooting

PADRONE DIGITAL: Abnormal display
The display remains blank when the button is pressed.   Replace the PADRONE DIGITAL battery as described in <u>"Replacing the battery" (Page 45)</u>.
Incorrect data appear.   Press only the **AC** button on the back of the PADRONE DIGITAL to restart it.   The setting values will be maintained.
Why are measurement values flashing?   If using a Cateye sensor, measured values start flashing to indicate that there is little remaining battery life in the relevant sensor.   Refer to <u>"Replacing the battery" (Page 45)</u> to replace the battery for the relevant sensor.

Smartphone: Errors when using Cateye Cycling™
Cannot connect a paired PADRONE DIGITAL with a smartphone (Cateye Cycling™)   Restart Cateye Cycling™. If this does not resolve the issue, restart your smartphone.
📲 **(import button) to import summary data is not displayed in the Activity List**   ● Have you reset the PADRONE DIGITAL?   To import summary data using Cateye Cycling™, the PADRONE DIGITAL must be reset (**MODE** pressed for longer than 2 seconds on any display other than **Dst2**).   ● If the PADRONE DIGITAL was reset but 📲 (import button) is not displayed: Measurements for trips of 0.1 km or less are not recorded as summary data.
Cannot upload data   ● Have you setup the account for each service site?   From 📋 (Menu) in the smartphone app (Cateye Cycling™), tap [Account] and enter the account information for each site.

1

2

Using the unit

Using the app

3

SET **4**

5

▲

48

▼

Main specifications

|		
Batteries used Battery life	PADRONE DIGITAL	Lithium battery (CR2032) x1 / Approx. 4 months
	Speed/cadence sensor (ISC-12)	Lithium battery (CR2032) x1 / Approx. 5 months
	Heart rate sensor (HR-12) Optional	Lithium battery (CR2032) x1 / Approx. 5 months

* Life of pre-installed battery may be shorter than indicated above.
* Battery life may be reduced depending on the number of paired sensors and usage conditions.

Controller	4 bit, 1-chip microcomputer (Crystal controlled oscillator)
Display	Liquid crystal
Sensor	Non-contact magnetic sensor
Signal transmission	Bluetooth®
Transmission distance	Approx. 30 m (The range will vary depending on weather and surroundings.)
Tire circumference range	0100 mm – 3999 mm (Initial value: 2096 mm)
Operating temperature range	32°F – 104°F (0°C – 40°C) (Guaranteed operating temperature range: Display visibility may deteriorate outside this range.)
Dimensions/weight	PADRONE DIGITAL	2-21/32" x 1-11/16" x 39/64" (67.5 x 43 x 15.6 mm) / 1.06 oz (30 g)

| Dimensions/weight	PADRONE DIGITAL	2-21/32" x 1-11/16" x 39/64" (67.5 x 43 x 15.6 mm) / 1.06 oz (30 g)
	Speed/cadence sensor (ISC-12)	2-49/64" x 3-25/64" x 59/64" (70.4 x 86.3 x 23.5 mm) (With arm pointing down, not including rubber pads) / 0.68 oz (19.2 g)
	Heart rate sensor (HR-12) Optional	1-7/32" x 2-29/64" x 15/32" (31 x 62.5 x 11.8 mm) (Not including HR strap) / 0.61 oz (17.3 g)

* Specifications and design are subject to change without notice.
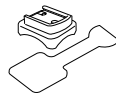
Standard accessories

1600280N
Bracket band
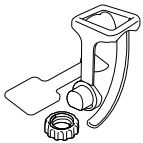
1603970
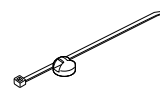Speed/Cadence sensor
(ISC-12)
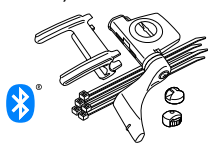
1602193
Bracket

1699691N
Wheel magnet
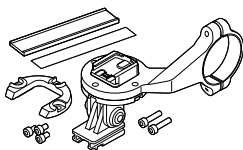
1665150
Lithium battery
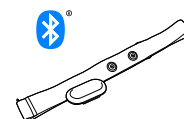(CR2032)

1699766
Cadence magnet

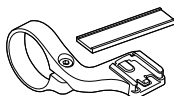# Optional accessories

1604110
Out-front bracket 2
(OF-200)

1604100
Out-front bracket
(OF-100)

1603892
Slim bracket kit

1604520
Speed sensor
(SPD-30)

1604530
Cadence sensor
(CPD-30)

1603980
Heart rate sensor
(HR-12)

1603595
HR strap
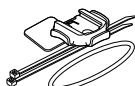
Limited warranty

2-year guarantee : PADRONE DIGITAL unit and included sensors (ISC-12)
(Accessories and battery consumption excluded)

CatEye cycle computers 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 of 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.

2-8-25, KUWAZU, HIGASHI SUMIYOSHI-KU, OSAKA, JAPAN 546-0041
For inquiries, please visit https://cateye.com/intl/contact/
[For US Customers]
CATEYE AMERICA, INC.
Please visit https://www.cateyeamerica.com/contact-us/
Toll Free : 800.5.CATEYE

1

2

Using the unit

Using the app

3

SET **4**

5

▲