CATEYE

CONNECT *with your* **SMARTPHONE**

Place in
Pocket

Mount on
Bike

CATEYE
PADRONE SMART

PADRONE SMART
CC-PA500B

CATEYE
STRADA SMART

STRADA SMART
CC-RD500B

SMART COMPUTERS USER'S GUIDE

- ■ Introduction
- ■ Setup
- ■ Operation
- ■ FAQ
- ■ Troubleshooting

Bluetooth®
SMART

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Capabilities with a Smartphone

■ The smartphone's built-in GPS can be used to measure and record such aspects as speed, altitude, and travel route.
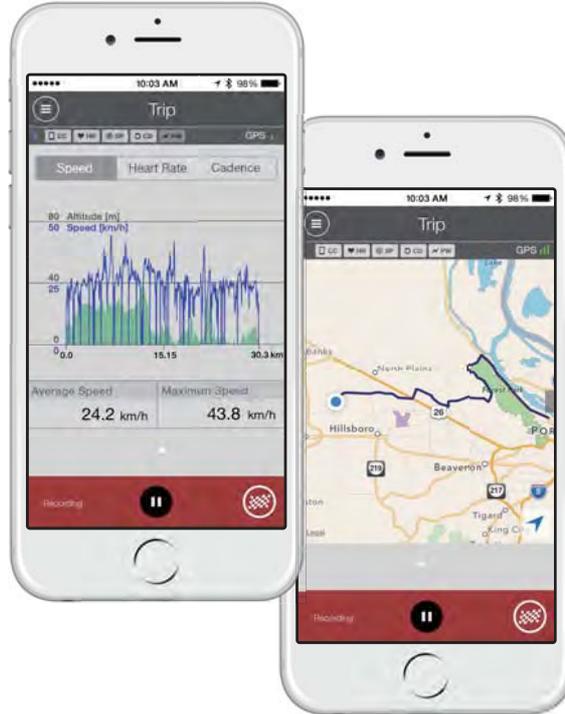
■ The smartphone can communicate with supported sensors and smart computers via Bluetooth.
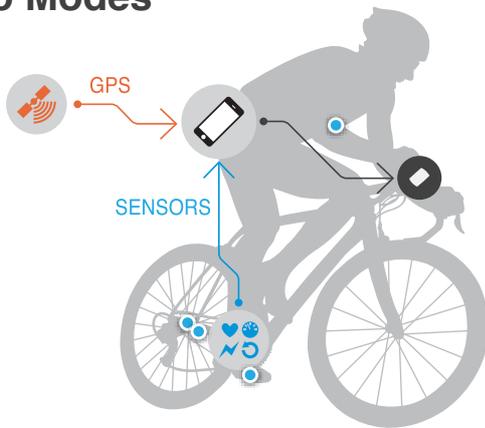

Speed/cadence sensor
(ISC sensor)

Heart rate sensor

Bluetooth® *SMART*

Capabilities with a Smart Computer
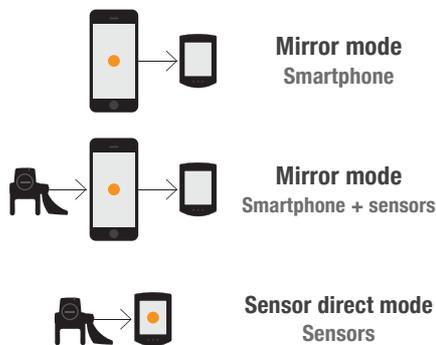
■ Two Modes

GPS

SENSORS

Mirror Mode

-Display data measured by the smartphone on the smart computer.

-Use the smartphone's built-in GPS for sensor-free operation.

-Use Bluetooth® SMART sensors for extended functionality.

-Display phone and mail notifications on the smart computer.
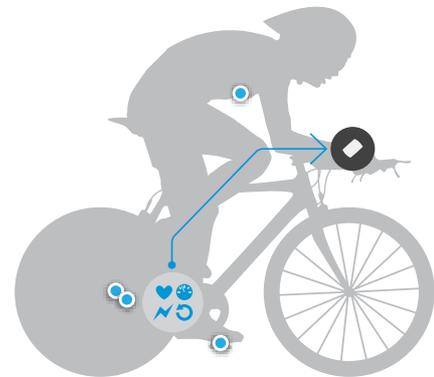
Sensor Direct Mode

-Connect sensors directly to the smart computer for measurement.

-Use a smartphone to manage measurement data saved in the smart computer after completing a ride.

■ Mode options

	Measuring,Displayed			Notification			Record		
	Speed	Cadence,Heart Rate, Power	Altitude	Call	Email	SMS (Text)	Map	Graph	*Summary
Mirror mode Smartphone	● *Smartphone GPS		● *Smartphone GPS	●	●	● *Padrone only	●	●	●
Mirror mode Smartphone + sensors	●	●	● *Smartphone GPS	●	●	● *Padrone only	●	●	●
Sensor direct mode Sensors	●	●							●

● Device used for measurement and recording

*Summary : Ride date and time, Elapsed time, Trip distance, Average and Maximum values of each measurement

■ Display

Flashes when the computer battery is low

Turns on when there is insufficient memory for summary data

Comparison between average speed and current speed

Sensor reception status
Speed: S
Cadence: C
Hear rate: H
Power: P

LED turns on when an incoming call/email is received

Flashes when an incoming call / email / SMS(Text) is received

Turns on in mirroring mode Flashes when smartphone battery is low

Bottom row display

Bottom row display

AV	Average
MX	Maximum
Odo	Total Distance
Tm	Elapsed Time
Alt	Altitude
Dst	Trip Distance 1
Dst 2	Trip Distance 2
	Clock

■ Setup

Download the app and register (pair) the devices (smart computer and/or sensors) to the smartphone.

1. Downloading the app

Free

Cateye Cycling

Available on the App Store
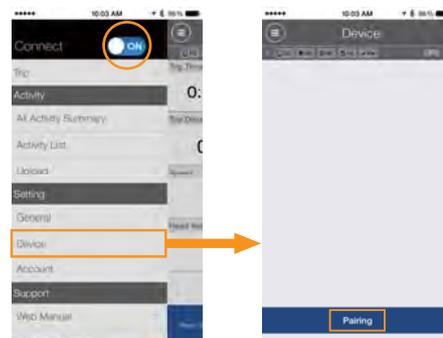
ANDROID APP ON Google play

Use the above QR codes or search for "Cateye Cycling" on the App Store or on Google play.

2. Pairing the device

① **Use the smartphone to search for connectable devices.**
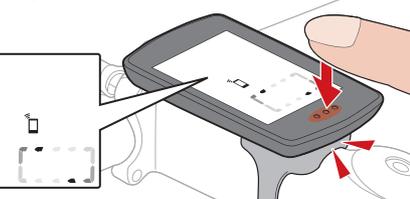
Tap 📱 **Device > Pairing**

* 📱 **Connect** must be set to (ON) .
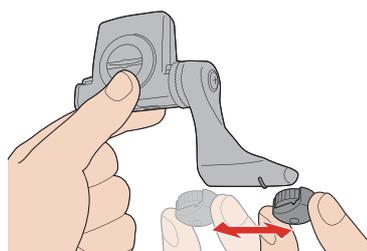
② **Send a signal from the device.**

*When the smart computer is mounted on a bracket, pressing the surface of the unit depresses the MODE button on the back of the computer.

MODE

Search screen

< Smart computer >

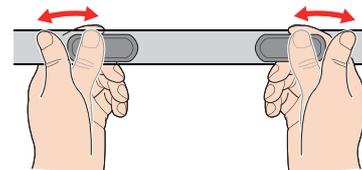Press and hold the MODE button until the smartphone search screen is displayed, then release.

< Speed/cadence sensor (ISC sensor) >

Move the magnet through the sensor zone several times.

< Heart rate sensor >

Rub both electrode pads with your thumbs.

③ **After the device is detected, tap "Pairing" to pair the device (Fig. 1).**

*When pairing a PADRONE SMART to an iPhone, the screen to the right (Fig. 2) will also be displayed.

(Fig. 1)   (Fig. 2)

3. Configuring the smart computer

■ The smartphone will automatically configure the following settings on the smart computer.

Clock : Adjusted when the smartphone is connected.

Units (km/mile) : Syncs the unit settings from the app.

Sensor pairing for Sensor Direct Mode :

The smart computers and sensors listed under ⊜ **Device** will be available for use in Sensor Direct Mode.

(The sensors will also be paired with the smart computer for direct connectability.)

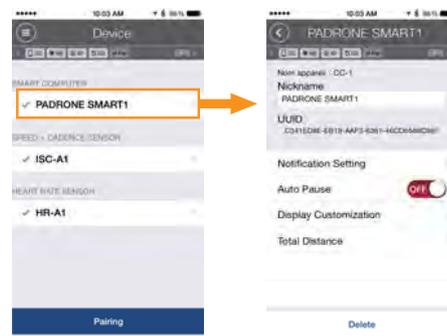Usable with PADRONE SMART 1 in Sensor Direct Mode

■ Other smart computer-related settings

(Configure notification settings, auto pause, display customization, total distance input, and other settings) under ⊜ **Device** .

*These settings are only available while the smart computer is connected to the smartphone.
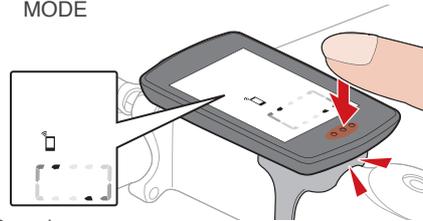
● Using in Mirror Mode

1. Connecting the smartphone and smart computer

*When the smart computer is mounted on a bracket, pressing the surface of the unit depresses the MODE button on the back of the computer.

MODE

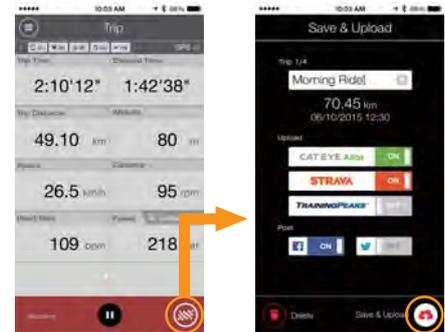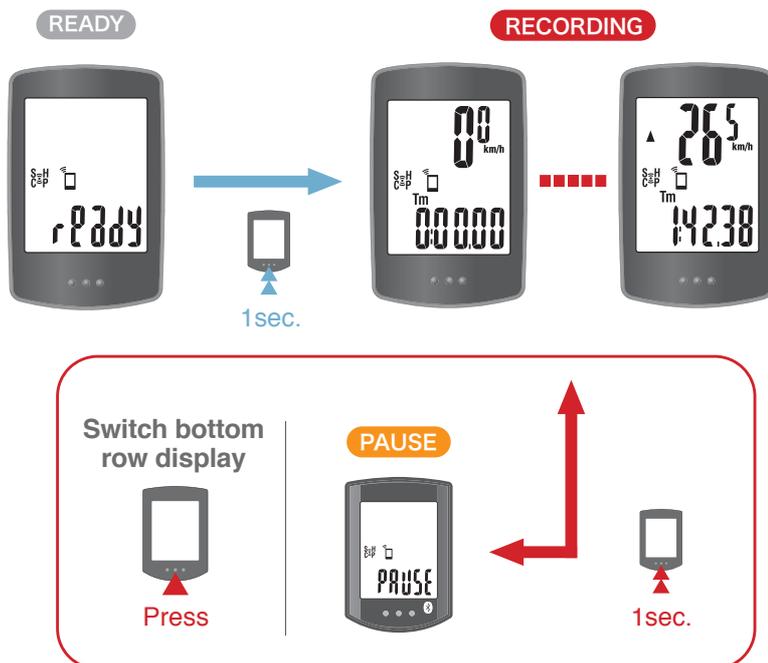Search screen

1 Ensure that

☰ **Connect** ⬤ ON .

2 Press and hold the MODE button until the smartphone search screen is displayed, then release.

3 The smartphone is connected once the smartphone icon is displayed. The app will return to ☰ **Trip** .

*Heart rate sensors become connected when worn, and speed/cadence sensors become connected when the wheel is rotated and a signal is transmitted.

Refer to the sensor's operation manual or online manual for sensor mounting instructions.

2. Measuring and uploading

READY
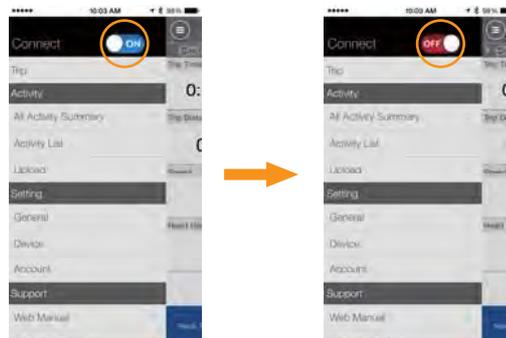
RECORDING

1sec.

Switch bottom row display

PAUSE

Press

1sec.

*Measurement can also be started and paused from the app screen.

Save & Upload

After a trip is completed, the measured data can be saved and uploaded.

・ **Using in Sensor Direct Mode**

1. Switching to Sensor Direct Mode

Disconnect the app on the smartphone
if Mirror Mode is enabled.

☰ **Connect** (ON) ➡ (OFF)

In addition, if the smart computer is currently
searching for a smartphone, press and hold the
MODE button until the search is canceled.
The smart computer is in Sensor Direct Mode
when the smartphone icon is not displayed.

1sec.
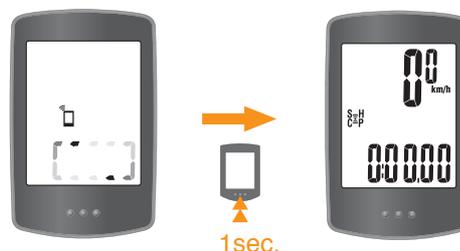
*When switching from Mirror Mode to Sensor Direct Mode,
it may take a moment for the sensors to switch connection to the smart computer.

2. Measuring

Measurement begins directly after the speed signal is detected.

**Switch bottom
row display**

Press

RESET

3sec.
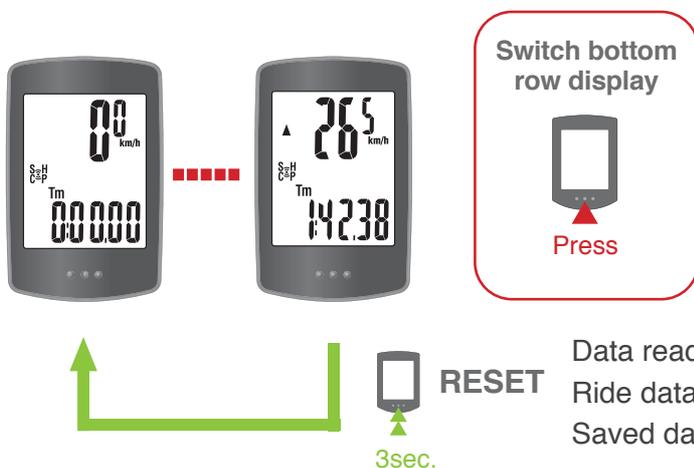
Data readings will return to 0.
Ride data up to that point will be saved in the smart computer.
Saved data can be moved to the app and viewed there.

*The smart computer will switch to the smartphone
search screen after 1 second. Keep pressing the
MODE button until the data is reset.

Q **Under what smartphone conditions can devices (smart computers and sensors) be connected?**

As long as the app is running (including during sleep mode) and
☰ **Connect** is switched to ⬤ ON , the smartphone will normally search for paired devices.
The smart computer will become connected just by searching for a smartphone,
and the sensors will become connected just by transmitting a signal.
Even when disconnected due to noise or distance, both devices will enter the search mode
and automatically reconnect.

Q **How do I disconnect a device from the smartphone?**

Disconnecting is performed using the app.

☰ **Connect** ⬤ ON ➡ OFF ⬤
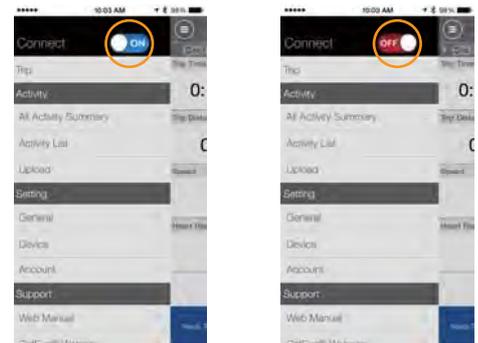
Q **How can I view the Sensor Direct Mode records?**

Sensor Direct Mode ride data saved in the smart computer
can be viewed once the data is transferred to the app.

☰ **Activity List > Import from CC**

*The icon will only be displayed when data has been saved
in the smart computer, and the smart computer is connected
to the smartphone.

*After importing, the ride data saved in the smart computer
will be automatically deleted.
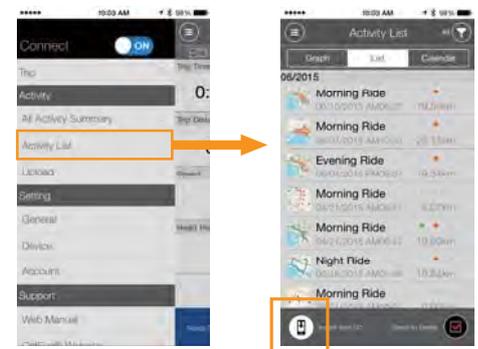
Q **How do I clear the e-mail, phone, and SMS(text) notification icons displayed on the smart computer?**

The icons will be cleared whenever the trip is paused, regardless of whether the e-mail, phone,
or SMS(text) has been viewed.

*Notifications must be configured under ☰ **Device** .

Q **Why don't the values change when using the smartphone's GPS to measure speed?**

It may take a while for the smartphone to acquire a GPS signal, and the speed values may not
change right away when measuring without using the sensors.

**Q Why does uploaded ride data that has been deleted from the web still show as "Uploaded" on the app?**

The app shows whether data has been uploaded in the past.
There is no way for the app to know if the data has been deleted from the web.
Note that it is still possible to re-upload ride data that is displayed as Uploaded.
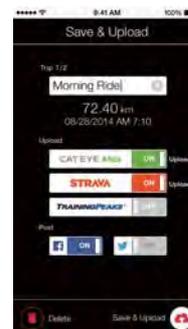
Q Why don't some map thumbnails show under ☰ Activity List?

If a refresh mark is displayed in place of the map, the map
display will be reloaded when the activity is opened.
*Depending on the signal strength and smartphone
 performance, the display may show as incomplete.

Tap to reload →
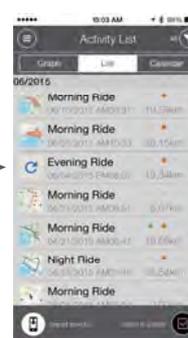
Q Why is the smart computer's screen in sleep mode upon returning to the bicycle?

When the smartphone moves away from the bicycle even for a short time,
the smart computer may automatically enter sleep mode.
Press the MODE button to reconnect with the smartphone.

Sleep mode

Q Why is there variation in the measurements for ascending altitude?

Because altitude measurements rely on the smartphone's GPS function,
the measured altitude may be different from the actual altitude.

**Q Why isn't all ride data displayed under ☰ Upload?**

Only ride data that has not been uploaded to CATEYE Atlas, STRAVA, or Training Peaks is displayed.
To upload previously uploaded ride data to another site,select a different site from ☰ **Activity List** .

*Uploading through ☰ **Upload** will push data to those sites turned to ON under ☰ **Account** .

SMART COMPUTER

❗ A connection with the smartphone cannot be established.

■ Is Bluetooth on the smartphone turned on?

■ Is Connect in Cateye Cycling switched ☰ **Connect** ⬤ ON ?

■ Is pairing complete? To connect to a smartphone, pairing must be completed.

■ Is the smart computer connected to a different smartphone?
The smart computer can only be connected to one smartphone at a time.

■ From the smartphone search screen, switch back to Sensor Direct Mode once
and then try connecting to the smartphone again.

Smartphone search screen   1sec.   Sensor direct mode
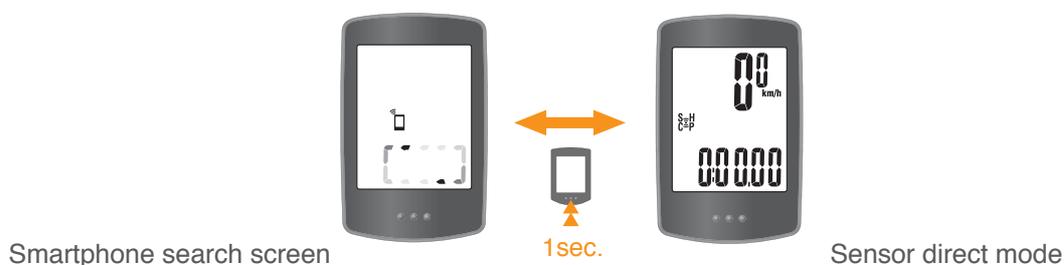
**❗ A connection with the heart rate sensor or the speed/cadence sensor
cannot be established. (Sensor Direct Mode)**

■ Is pairing complete? Pairing must be completed to connect a sensor to a smart computer.

■ Is the sensor connected to a different smartphone or smart computer?
A sensor can only be connected to one smartphone or smart computer at a time.

■ Is there sufficient battery power left in the sensor?

■ Is there a signal being transmitted from the sensor?
This can be checked using a BLE-related app on the smartphone.

Example apps:

Light Blue
Download on the App Store

BLE Scanner
ANDROID APP ON Google play

SMARTPHONE

❗ A connection with the smartphone cannot be established.

- ◻ Is Bluetooth on the smartphone turned on?

- ◻ Is Connect in Cateye Cycling switched 🗐 **Connect** (ON) ?

- ◻ Is pairing complete? Pairing must be completed to connect to a connected device.

- ◻ Is the smart computer or sensor connected to a different smartphone?

- ◻ When used with another cycling-related app, the apps may compete for connection to the sensor.

- ◻ If the connection absolutely cannot be established, try switching Bluetooth on the smartphone off and back on, removing the device and then pairing again, restarting the app, or restarting the smartphone.

❗ The app or the connected devices are not operating properly .

Other apps may be causing problems with communication or operation. Example apps:

Power-saving apps	-Such apps may be actively preventing communication and, in turn, preventing Cateye Cycling from operating properly.
Memory-freeing apps	-Such apps may be interfering with Cateye Cycling's background operations.
Cycling apps	-Such apps may be interfering with Cateye Cycling's background operations.

SENSOR

❗ Measurements are not displayed properly.

Commercial sensors (Heart rate, cadence, speed, power)

- ◻ Some commercial sensors may require direct pairing separately with a smart computer unit for using in Sensor Direct Mode.

- ◻ The sensors may not support Bluetooth4.0 CSCP/HRP/CPP. Check the specifications for the sensor being used.

Heart rate sensor

- ◻ Has the electrode pad slipped out of position? Verify that the electrode pad is still in close contact with your body.

- ◻ Is your skin dry?Slightly wet the electrode pad using a gel or other substance.

- ◻ Ensure that the CATEYE logo is facing in the proper direction (up).

Electrode pads (back of belt)

Speed/cadence sensor (ISC sensor)

- ◻ Check the set tire circumference.

- ◻ Check the unit setting (km/h, mile).

- ◻ Check the position and distance between the sensor and the magnet.