

# COCKPIT<sup>2</sup> FC 820/830/840/845

GB MANUAL



[www.trelock.de](http://www.trelock.de)

 **TRELOCK**  
INSPIRED GERMAN INNOVATION

You have decided to purchase the TRELOCK bike computer FC 820/ FC 830/FC 840 (each with Uni-Base) or FC 845 (Night-Light-Base) and, as such, your choice is an excellent one. Your new bike computer is easy and convenient to operate thanks to the visual guidance system and large mono-button typical of TRELOCK products. Please read through this manual prior to your initial usage of the computer.



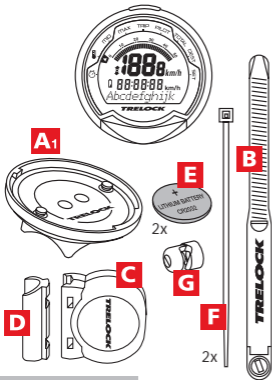


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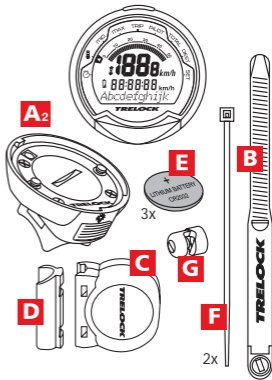
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## 1. Scope of supply

### 1.1 FC 820, 830, 840



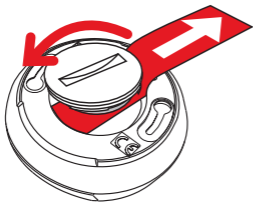
### 1.2 FC 845



## 2. Insertion of batterie

When supplied to the customer, the battery has already been inserted into the bike computer. In order to activate the computer, the red plastic flag must first be removed. Turn the battery compartment cap on the bottom of the computer in an anti-clockwise direction and pull the flag out. Then turn the cap firmly back in place.

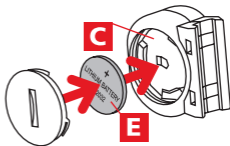
Lithium Battery CR2032



## 2.1 Sensor

In order to insert this battery, use a coin to turn the battery compartment cap in an anti-clockwise direction and insert the battery with the + sign pointing upwards (see fig.). Then turn the cap firmly back in place.

Lithium Battery CR2032



## 2.2 Only FC 845

The display for your bike computer is fed via a battery in the night-light base. In order to insert this battery, use a coin to turn the battery compartment cap in an anti-clockwise direction and insert the battery with the + sign pointing upwards (see fig.). Then turn the cap firmly back in place.

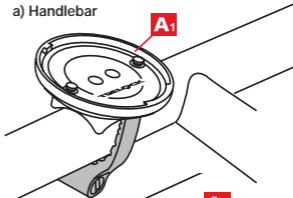


Lithium Battery CR2032

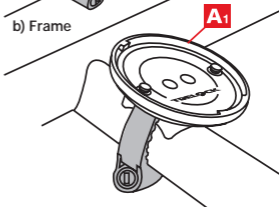
## 3. Assembly/Installation

### 3.1 Assembly/Installation FC 820, 830, 840

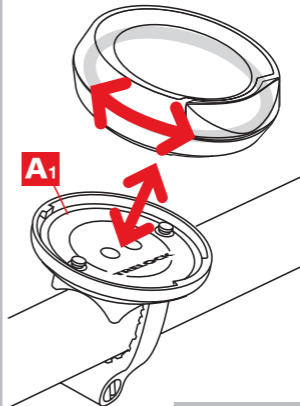
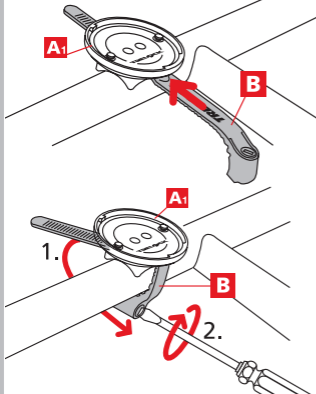
#### a) Handlebar



#### b) Frame



### 3.2 FC 820, 830, 840



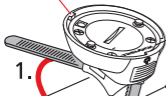
3.3 FC 845

**A<sub>2</sub>**



**B**

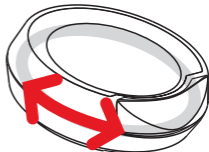
**A<sub>2</sub>**



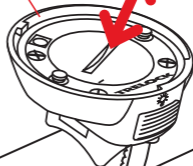
1.

**B**

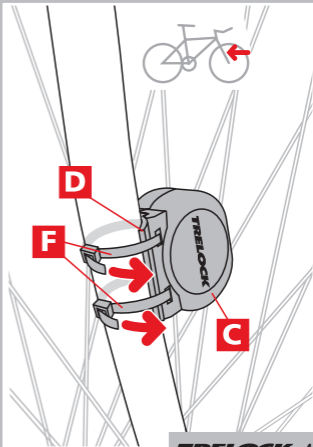
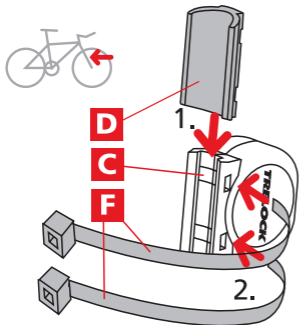
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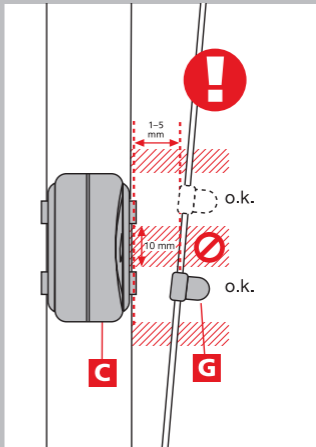
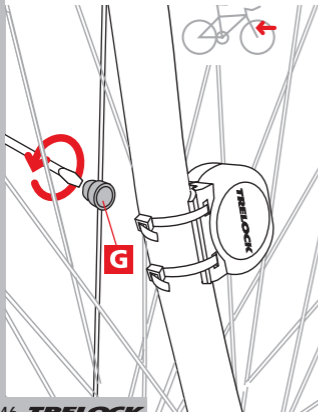
**A<sub>2</sub>**



### 3.4 Assembly/Installation of sensor



### 3.5 Assembly/Installation of magnet

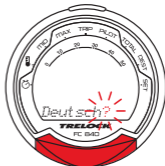
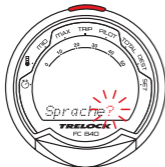


#### 4. Display design and operating principle



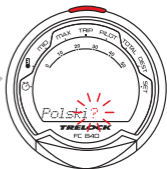
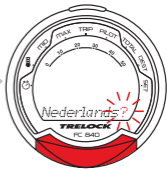
## 5. General default settings

### 5.1 Selection of language



Once the computer (by removing the plastic tab) has been activated, you automatically access the "Sprache?" (Language) menu. By pressing the SET button, you access the language selection option. Use the MODE button to choose one of the eight languages shown (German, English, French, Dutch, Spanish, Italian, Russian or Polish) and confirm your choice via the SET button.

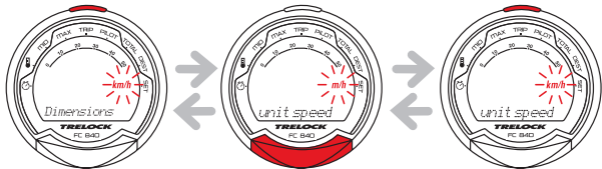
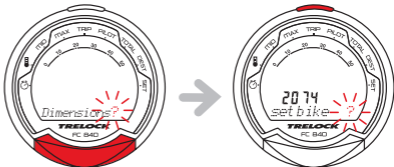




## 5.2 Choice between km/h and m/h

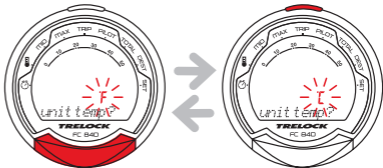
In the "Dimensions?" menu, "km/h" is pre-set as the standard unit. If you wish to accept this default setting, press the MODE button.

To change it to "m/h", press the SET button. Then use the MODE button to choose between "m/h" and "km/h" in the "Unit Speed" window. Confirm your choice via the SET button.



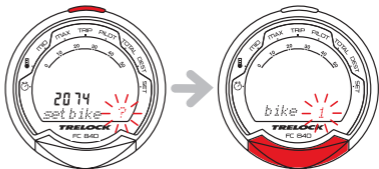
### 5.3 Choice between °C and °F (only FC 840, 845)

Use the MODE button to choose between "°F" and "°C" now. Confirm your choice via the SET button.



## 5.4 Setting(s) of wheel size(s) (FC 830, 840, 845)

You can use your cycle computer on 2 cycles – even if the wheels are different sizes. To do this, you need a separate holder and sensor for each cycle. For FC 830/840, you need Art. ZF 406 Uni-Base, ZF 435 transmitter, ZF 50 magnet. For FC 845 you will need Art. ZF 410 Night-LightBase + magnet, ZF 435 transmitter. Press the SET button to make or change the settings for cycle 1 or cycle 2 in the “Settings for cycle” window. Use the MODE button to select “Cycle 1” or “Cycle 2”, then press the SET button to confirm.

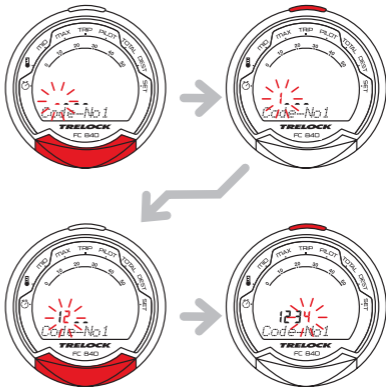


## 5.5 Entering the code number

In the "Code No. 1" bzw. "Code No. 2" window, enter the 4-digit code of the sensor to register this on the computer. Smooth, uninterrupted communication between the computer and the sensor is assured by the Radio Select technology only once the sensor is registered. If the cycle or computer is stolen, the computer is of no use to the thief.

You will find the code number on a peel-off sticker on the sensor. You should remove the sticker and stick it in the instruction manual.

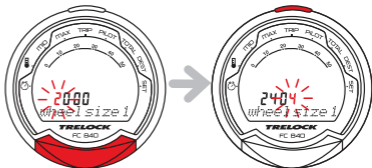
Press the MODE button repeatedly until the first digit has been correctly entered, then press the SET button to confirm. Repeat the procedure for the each of the other digits.



## 5.6 Setting(s) of wheel size(s) (wheel circumference)

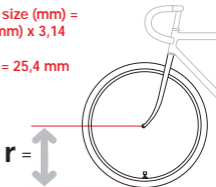
Under "Wheel Size 1" or "Wheel Size 2" (only for FC 830, 840 845), you should now enter the wheel circumference of your bike. This can be seen from the wheel size data shown on the side of your tyre. Please consult the table shown on P. 55 for the appropriate 4-digit number.

Next press the MODE button until such time as the appropriate digit appears, then use the SET button to move to the next digit. Once you have confirmed the final digit, you automatically reaccess the "Set Wheel" window. Should you wish to make settings for a second bike, press the SET button, otherwise move to the "Clock" window by pressing the MODE button.



Wheel size (mm) =  
 $2 \times r \text{ (mm)} \times 3,14$

1 inch = 25,4 mm

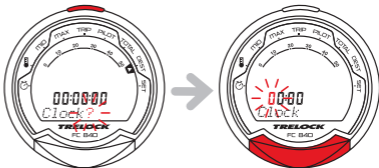


## Wheel Size (WS) Chart (wheel sizes / wheel circumference)

ETRTO	WS	mm	ETRTO	WS	mm
47-305	16x1.75x2	1272	60-559	26/2.35	2146
47-406	20x1.75x2	1590	32-630	27x1 1/4	2199
50-406	20/2.00	1593	40-622	28x1.5	2224
60-406	20/2.35	1665	47-622	28x1.75	2268
37-540	24x1 3/8 A	1948	40-635	28x1 1/2	2265
47-507	24x1.75x2	1907	37-622	28x1 3/8x1 5/8	2205
50-507	24/2.00	1910	18-622	700x18C	2102
40-559	26x1.5	2026	23-622	700x23C	2133
44-559	26x1.6	2051	25-622	700x25C	2146
47-559	26x1.75x2	2074	28-622	700x28C	2149
50-559	26x1.9	2089	32-622	700x32C	2174
54-559	26x2.00	2114	37-622	700x35C	2205
57-559	26x2.125	2133	40-622	700x40C	2224
37-590	26x1 3/8	2105	50-622	28/2.00	2284
20-571	26x3/4	1954	60-622	28/2.35	2340

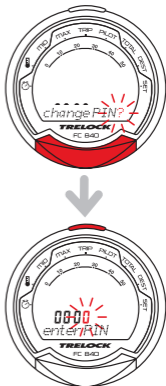
## 5.7 Setting the current time

If you wish to change the time, press the SET button. One after another, hours, minutes and seconds (start automatically after confirmation of minutes) can be changed via the MODE button. Use the SET button to confirm your entries and to move to the next digit.



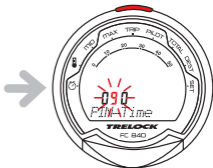
## 5.8 Entering and changing the PIN anti-theft protection

You can use a PIN to protect your cycle computer from misuse by unauthorized people. The cycle computer cannot be used unless the correct PIN is entered. Once the time has been set, you automatically access the "Change PIN?" window. Here you can enter your own PIN and, if necessary, subsequently change it. If you don't wish to use a PIN, press the MODE button. Otherwise, after pressing the SET button, you will be asked to enter the old PIN (default setting is "0000"). To this end, press the MODE button until such time as the appropriate digit appears and then use the SET button to move to the next digit. PIN input is monitored. Should the PIN have been entered incorrectly, the message "Wrong PIN" appears for approx. 3 seconds and you will be asked to re-enter the PIN. If the PIN is correct, input a new PIN of your choice as described above. Once the last digit has been confirmed via the SET button, PIN entry must be repeated. Should the repeat PIN entry be incorrect, you will return automatically to the "Change PIN?" window. **Note down your personal PIN on Page 68 so that it is readily available if required!**



## 5.9 Entering and changing the PIN time

If the bike computer is in Sleep mode and is not 'awakened' for a set time, it has to be reactivated by entering your PIN. The period concerned (PIN Time) can be (re)set in the "Set PIN Time" window – after you have pressed the SET button, you will be asked to enter your PIN. After correct PIN input, you automatically access "PIN Time" where you can enter the time of your choice up to max. 240 minutes. If you wish to dispense with the securing of your bike computer via a PIN, then set the PIN time to "000".



## 5.10 Energy economy function

An energy economy function is linked to the PIN-time setting. The PIN-time default setting is 60 min. and the PIN default setting "0000". As such, the clock is displayed in Sleep for 60 min., after which time the clock display shuts down. This period of time can be adjusted as described above. If the PIN time is set at 0, the energy economy function is deactivated and the clock is displayed on an ongoing basis.

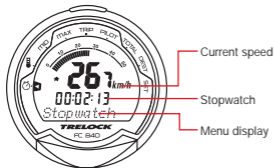
If a PIN is set at "0000" and a PIN time at more than 0, the energy economy function and the PIN enquiry are activated. This means that, once the PIN time has elapsed, the clock display shuts down and the computer can only be reactivated via PIN input.

## 6. Main menus

Press the MODE button to move between the main functions (menus) - see 6.1 - 6.9. To enter figures (time, counter settings, etc.), repeatedly press the MODE button until the digit you want is displayed, then press the SET button to move on to the next digit. When you have completed your entry of the last digit, press the SET button to confirm.



## 6.1 „Stopwatch” menu 🕒 (only FC 530, 535)



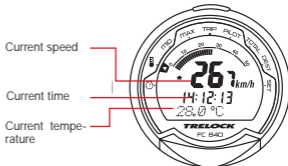
## Starting, stopping and resetting the stopwatch



Use the SET button to start and stop the stopwatch.  
By pressing and holding the SET button for 3 seconds, the stopwatch is reset to "0".

## 6.2 "Temperature" menu 🌡️ (only FC 840, 845)

The Temperature "🌡️" menu displays the current temperature.



### 6.3 "Average" MID menu

The "MID" menu shows the current average speed of the given lap.

By pressing and holding the SET button for 3 seconds, you stop the measurement of the current lap and reset all lap readings on the computer to "0".

Current speed

Current time

Average speed of the current lap



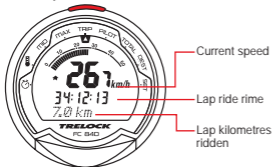
### 6.4 "Maximum" MAX menu



The maximum speed on the given lap is displayed via the "MAX" menu.

By pressing and holding the SET button for 3 seconds, you stop the measurement of the current lap and reset all lap readings on the computer to "0".

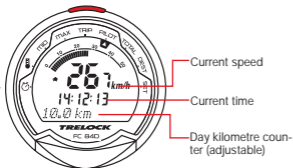
### 6.5 "Lap" TRIP menu



The ride time and lap kilometres ridden are displayed via the "TRIP" menu.

By pressing and holding the SET button for 3 seconds, you stop the measurement of the current lap and reset all lap readings on the computer to "0".

### 6.6 "Pilot" PILOT menu



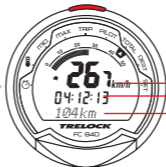
### Setting of day kilometre counter

By pressing and holding the SET button for 3 seconds, you can change the display of the day kilometre counter in the "Set km" window (only possible with deactivated stopwatch). This function is helpful if you have made a detour, for instance, despite the fact that you are otherwise following a road book.

3 seconds



## 6.7 "Total" TOTAL menu



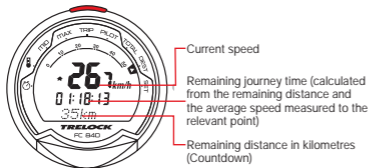
Current speed

Total ride time  
(of current bike)

Total kilometres of  
current bike

The total kilometre status and total ride time of the current bike are displayed via the "Total" menu. The total kilometre status can be adjusted via the "Set" menu, enabling you, for instance, to transfer the kilometre reading from an old bike computer to your new TRELOCK computer.

## 6.8 "DEST" menu (only FC 840, 845)



3 seconds



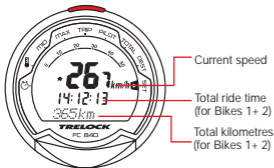
### Setting the remaining distance counter (Countdown)

Press and hold the SET button for 3 seconds. You can now set the remaining distance counter in "Set km". Use the MODE button to set the first digit, then press the SET button to move on to the next digit and to confirm.



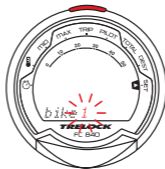
## 6.9 "Set" SET menu

### Changing the presetting



If you use your computer on 2 cycles (**not applicable to FC 820**), the cycle on which the computer is mounted is automatically detected (Radio Select).

By pressing and holding the SET button in the "SET" menu for 3 seconds, you then have the option of correcting your default settings and making further settings. Pressing the MODE button brings you automatically to the menus "Clock?" "Wheel Size?" with its submenus "Bike 1" and "Bike 2" (not applicable to FC 820) and "Total km" one after the other. Press the SET and MODE buttons simultaneously for 3 seconds to move to the general default settings (P. 48, Point 5.1.ff).



## 7. Training

### 7.1 Targeted training

Your TRELOCK bike computer gives you a wide range of options for training in a targeted manner. You have the possibility, for example, of monitoring


- how long you train for
- how many kilometres you cover
- how long you need to cover a certain distance.

Via the symbols „▲“, „●“ and „▼“ on the display, you are able to monitor the intensity of your training session on an ongoing basis.

- ▲ = the current speed is higher than the average speed on the current lap/stage
- = the current speed equates to the average speed on the current lap/stage
- ▼ = the current speed is lower than the average speed on the current lap/stage.

## 8. Additional information and instructions

### 8.1 Battery change

 = When this symbol appears, the battery needs changing.

The bike computer, the sensor and the night-light base (only FC 845) run on 3-V CR 2032-type batteries.

**Caution - old batteries are special waste and may not be disposed of via household waste!**

Your personal data continues to be stored even if there is no battery in your bike computer.

### 9.3 Resets

Any resets that may be necessary are carried out automatically. Should a fault nevertheless occur, remove the battery from the bike computer, wait briefly and then reinsert it.

## 8.2 Frequently asked questions

### Why can't the bike computer be activated?

The battery is flat and must be replaced.

### Why isn't any other current data displayed apart from the time?

The bike computer is in Sleep mode – just press any button of your choice or simply start cycling.

### Why is the incorrect speed displayed?

The wrong wheel size has been entered.

### Why is no speed displayed?

The distance between the sensor and the magnet is too large. The sensor battery is low.

### Why does the display go black or react lethargically?

The operating temperature (5 °C – 50 °C; 40 °F – 120 °F) has not been reached or has been exceeded.

### Why is the display pale?

The battery is flat and must be replaced.

## 8.3 Technical data

Operating temperature: 5 °C bis 50 °C  
(40 °F und 120 °F)

Storage temperature: –20 °C und 80 °C  
(–4 °F und 176 °F)

Battery type for  
bike computer  
and sensors:

3 Volt Lithium  
CR 2032

## 8.4 Maintenance and care

Your TRELOCK bike computer requires no maintenance and no special care. Just use a damp cloth for cleaning purposes. Protect the sensors and receivers from exposure to extreme temperatures. Temperatures below – 20 °C (– 4 °F) and over 80 °C (176 °F) can damage the bike computer. The operating temperature should lie between 5 °C – 50 °C (40 °F – 120 °F).

## 8.5 Safety instructions

**TRELOCK bike computers are designed for private fitness training and are unsuitable for commercial or medical applications.**

## 8.6 Warranty and service

You have purchased a quality product from TRELOCK. TRELOCK guarantees the initial purchaser for a period of two years from the date of purchase that this TRELOCK product is free of defects in respect of materials and workmanship, and ensures that any defective product is repaired or replaced with a new product. Any complaints you may have should be addressed directly to your dealer/specialist stockist, who should also be provided with the relevant purchase receipt. He will ensure that your warranty entitlement case is handled correctly. The warranty is only valid providing the product has not been forcibly opened or damaged. It does not apply for batteries and such parts as are subject to wear and tear. Under the terms of this warranty, TRELOCK cannot be made liable for any damage occurring due to product defects of any kind whatsoever. Other legal entitlements in respect of defects remain unaffected by this warranty. Any questions you may have can also be addressed to TRELOCK's customer service department:

TRELOCK GmbH, Postfach 7880, 48042 Münster, Germany, [www.trelock.de](http://www.trelock.de).

Here you can enter your PIN numbers

PIN

Default PIN setting:

0      0      0      0

My personal PIN:

\_\_\_\_\_

PIN-time

Default PIN-time setting:

0      6      0

My personal PIN time:

\_\_\_\_\_

PIN





[www.trelock.de](http://www.trelock.de)

