

CM 9.3A (+)

Congratulations on your purchase!

By purchasing the **CICLOMASTER CM 9.3A (+)** you have acquired an electronic multifunctional sports computer with an integrated altimeter function, with the highest level of precision and newest digital transmission technology. The **CM 9.3A (+)** has state-of-the-art electronics, is waterproof and convinces through his high durability.

It's special feature: Transmission from transmitter to device is implemented on a digital communication which makes it extremely fault resistant. The **CM 9.3A (+)** has a Two-in-One system. This means that you can use it with 2 bikes and have the recorded values displayed separately for each bike or as a total. In this case, the **CM 9.3A (+)** automatically identifies immediately, after the first wheel rotations, which of the two bikes is being used.

As another special features the **CM 9.3A (+)** has an optional cadence measurement and an optional heart rate measurement (for this you need separately available accessories).

In order to use all functions of the **CM 9.3A (+)** in the correct way, please read through this operating manual carefully.

Content:

- **CICLOMASTER CM 8.3A**
- **battery type CR 2032**
- **battery cap**
- **handlebar bracket**
- **speed-transmitter**
- **cable ties for mounting**
- **spoke magnet**
- **short instruction**

1. General information

CM 9.3A (+) has three modes: Bike 1, Bike 2, and Non-Bike mode.

To switch from one mode to another, simultaneously press the right and left buttons briefly (switching is only possible if speed SPD = 0). In the Non-Bike mode, only bicycle independent functions will be displayed.

CM 9.3A (+) has an **automatic energy save mode**: If signals are received for more than 5 minutes and you don't press any button during this time, the display will be switched off (in the non-bike mode it will be turned off after 15 hours.)

By pressing any button the display will be switched on again.

Because of the new digital transmission technique, the transmitters have to be initialized before using **CM 9.3A (+)** for the first time. We recommend initializing the transmitters before mounting the **CM 9.3A (+)** on the bike.

2. Installation

The handlebar bracket can be mounted on the handlebar or on the stem. For a using the handlebar on the stem, unscrew the screws on the back and rotate the rear part by 90 degrees.

2.1 Mounting of optional cadence-set

Mount the handlebar unit as described above.

Place the transmitter in front of the crank (don't fasten cable-ties yet). Mount the cadence-magnet on the crank (max. distance 3 mm). Important! The magnet must point directly towards the mark on the transmitter.

Now switch **CM 9.3A (+)** cadence measuring on and – if not done yet – initialize the transmitter (see chap.5).

Turn the crank a few times to check if the mounting has been done correctly so that **CM 9.3A (+)** receives the signal.

Now tighten the cable-ties.

2.2 Putting on the heart rate transmission belt

Warning: whoever carries out sport should have a general medical check up on his/her general state of health – especially beginners, persons older than 35 years of age and anyone who has suffered from illnesses or injuries in the past. It is recommended that a doctor is consulted in any case in the presence of risk factors, such as smoking, high blood pressure, high cholesterol values, diabetes, lack of exercise and excess weight.

Pacemaker wearers should consult their doctor before using any heart rate measurement device!

Put the belt around your chest. The transmitter (plastic part with the Ciclo-logo) should lie over the centre of the upper stomach, immediately below the breastbone, so that the logo on the transmitter is visible (viewed from the front) (see illustration). The electrodes in the belt, to the right and left of the transmitter, must be in contact with the skin.

Pull the belt tight so that it cannot slip and constant contact with the body is guaranteed during movement.

Measurement of the heart rate is only possible if:

- Transmitter belt is fitted correctly
- Measurement of the heart rate is switched on
- Heart rate transmitter is initialized
- CM 9.3A (+) is within the transmitter's reception range

If the CM 9.3A (+) fails to display any heart rate, it probably means that there is no contact between the skin and the electrodes. Moistening the electrodes and the underlying skin often helps. Best results are obtained if electrode gel is used (available from pharmacies).

3. Operational Setup

Inserting the battery

Insert battery type CR2032 with **plus-pole facing up and insert the O-Ring**. Close battery cap with a coin, being sure not to over tighten. After inserting the battery the display will show normal (bike 1) mode.

(If nothing or incomprehensible signs are displayed, press the AC-button on the backside of the computer with help of a ballpoint pen or a similar object.

Attention: this will delete all values and setting).

Indication: Because of a special movement-sensor (Motion Switch). When the CM 9.3A (+) is mounted on the bike it will start searching for the transmitter signals automatically as soon as it is moved,

4. Funcionality of CM 9.3A (+)

Because of the respective transmitter identification CM 9.3A (+) can automatically identify on which bike it is being used (this only works in the Bike1- or Bike 2-Mode, not in the Non-Bike-Mode).

It is necessary for CM 9.3A (+) to be located in the handlebar bracket. Only in this position can it search for, and receive the transmitted signal from the motion sensor when the bike starts to move („searching“ will be displayed).

During the search for the transmission, „searching“ will flash on the display. When the transmission has been found, the flashing stops and the normal setting mode will be displayed.

The CM 9.3A (+) transmitter search can also be started manually by pressing the right button for 3 seconds.

The manual transmitter search function will only work, if a transmitter signal has not yet been detected. (, – , displays the current function).

If the cadence transmitter is not mounted this function should be switched off. The transmitter search would keep on searching which needs a lot of battery.

Attention: Because of the automatic transmitter searching function, triggered by the movement sensor, to save the battery, the CM 9.3A (+) shouldn't be left on the handlebar if you are not using the bike, or if you are transporting the bike with a car.

5. Settings

If CM 9.3A (+) is not in the Bike 1 Mode (no symbol in the center display), switch on the Bike 1-Mode (simultaneously press right and left buttons).

Enter setting mode by pressing center button for 5 seconds. Display shows 'SET BIKE1'.

To quit setting mode press again center button for 5 seconds in any setting. The normal bike mode will be displayed.

(To change the display to german language, press left button short twice, display shows 'LANGUAGE'. Press center button to choose this function and then switch between 'English' and 'Deutsch' with right button. To store press left button and then get back to SET ALTI / SET HÖHE" briefly press right button twice).

Because the CM 9.3A (+) can display german and english words, this manual shows both possibilities.

The different setting modes can be shown by pressing right or left button, by pressing center button the shown setting mode is chosen.

Possible setting modes:

SET ALT / SET HÖHE

SET BIKE1 / SET RAD1 and/or SET BIKE2 / SET RAD2

SET CLOCK / SET UHR

SET HR / SET HF

SET MISC

PC LINK / PC VERB

EXIT / ENDE

LANGUAGE / SPRACHE

SENSORS/Sensoren

Each setting mode can have different setting options.

The following is valid for these settings: the blinking value can be changed with the right button to raise the value by pressing the center button the value will be decrease, the value is stored by shortly pressing the left button and the next value blinks or the next value appears on the display.

For a better reading in the following chapters the setting modes are **fat**.

SET ALT / SET HOEHE

To define altimeter settings.

To select, press the center button.

ALTITUDE / HOEHE

To change current altitude.

Range: -300 to +6000 m and/or ft

Here you can change the altitude that is displayed, e.g. if you notice that the current altitude diverges from altitude shown in the display (e.g. if barometric pressure changes).

HOME OFF / HEIM AUS

To switch the home altitude on/off.

Default: OFF

Here you can switch the automatic reset off the home altitude value on/off

HOME ALT / HEIMHOEHE

Starting value for altimeter.

Range: -300 to +6000 m and/or ft

CM 9.3A (+) has a barometric altimeter which adapts itself to temperature variations.

Changes of barometric pressure (e.g. during the night) can cause variations of the indicated altitude in the display. To compensate for these variations you can set the altitude of your origin (e.g. starting point such as home).

With each reset of the daily values (deletion) and starting a new recording (chap. 7) the current altitude will be reset to the adjusted altitude.

UNIT m

Set unit of measurement for altitude.

Default: m (meters)

Here you can select whether the indication is meter (m) or feet (ft).

UNIT °C

Set unit of measurement for temperature.

Default: °Celsius

Here you can adjust whether the indication is Celsius (C) or Fahrenheit (F).

SET BIKE1 / SET RAD1

Adjustment of bike-specific values, e.g. total distance, circumference, unit and more for bike 1.

Choose with center button.

To do these settings for bike 2, press right and left button short simultaneously in normal mode. CM 9.3A (+) switches to bike 2, then enter again setting mode (display then shows SET BIKE2/SET RAD2).

DAY DST / TAGES-DST

Adjustment of the daily distance.

Default: 000.00 km

Range: 000,00 to 999,99 km or m

Here the daily distance can be adjusted, e.g. the point of starting a tour, when using a printed tour-guide. (This setting doesn't change the total distance. Only really ridden kilometres are counted).

TOT DST / GES. DST

Adjustment of the total distance.

Default: 0000 km

Range: 0 to 99999 km or m.

Here the total distance can be adjusted.

Wheel/Radumf.

Adjustment of circumference

Default: 2080 mm

Range: 1000-3999 mm

Here the circumference can be adjusted.

Size		Circumference
40-559	26 x 1,5	2026 mm
44-559	26 x 1,6	2051 mm
47-559	26 x 1,75	2070 mm
50-559	26 x 1,9	2026 mm
54-559	26 x 2,00	2089 mm
57-559	26 x 2,125	2114 mm
37-590	26 x 1 3/8	2133 mm
32-620	27 x 1 1/4	2199 mm
40-622	28 x 1,5	2224 mm
47-622	28 x 1,75	2268 mm
40-635	28 x 1 1/2	2265 mm
37-622	28 x 1 3/8	2205 mm
20-622	700 x 20C	2114 mm
23-622	700 x 23C	2133 mm
25-622	700 x 25C	2146 mm
28-622	700 x 28C	2149 mm
32-622	700 x 32C	2174 mm

The circumference of the wheel can be taken from the chart (Pict. G) or be measured by yourself.

Measuring the circumference of the wheel (for a more precise setting):

Put a marking at the front-tire and on the ground (e.g. with chalk). Ride straight ahead exactly one turn of a tire (for a very exact measurement, check the pressure of the tire before getting on your bike) and mark this position on the ground. Now measure the exact circumference of the wheel between the two markings at the ground (in mm).

Unit km bzw. Unit mi

Adjustment of the measuring unit (kilometres or miles).

Default: km

Set with right button, store with left button

Here you can choose whether the display should show kilometres (km/h) or miles (m/h).

Bike kg

Here you can enter the weight of your bike in kg.

CAD OFF/TRITT AUS

Switch cadence on/off (ON/AN – OFF/AUS).

Default: OFF/AUS

Here you can switch on/off the cadence measuring. To use this function you need the optional cadence-set (available at your local dealer).

Power ON/Power AN

Switch power on/off (ON/AN – OFF/AUS).

Default: OFF/AUS

Here you can switch on/off the power measurement. To use this function you need a power measurement system with an ANT+ technology.

Power AVG

SET CLOCK / SET UHR

Adjustment of clock, date and clocktime-format.

Time / Uhrzeit

Adjustment of clock.

Range: 00:00 to 23:59 or 12:00 to 11:59 A/P

Here you can set the current clocktime. First you set the hours, then the minutes.

Year / Jahr

Adjustment of the year.

Default: 2012

Range: 2012 to 2099

Here you can set the current year.

Month / Monat

Adjustment of the month.

Default: 01

Range: 01 to 12

Here you can set the current month.

Day / Tag

Adjustment of the day.

Default: 01

Range: 01 to 31

Here you can set the current day.

Clock / Zeit

Adjustment of the clock format.

Default: 24

Here you can select between 24- or 12-hour format (AM/PM).

SET HR / SET HF

Adjustments for the optional heart rate measurement. To use this function you need the optional heart rate-set (available at your local dealer).

HR OFF/ON / HF EIN/AUS

Switch heart rate on/off (ON/AN – OFF/AUS).

Default: OFF/AUS

Here you can switch on/off the heart rate measuring.

Fitness / Fitness

Adjustment of the fitness level.

Default: 3

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Range 1-4, corresponding to the following levels:

1 – low fitness

2 – average fitness

3 – good fitness

4 – high fitness

Here you set your personal fitness level, necessary for the CICLOInZone[®]-calculation.

Sex / Geschlecht

Change between

m = male and f = female.

The sex is needed for the CICLOInZone[®]-calculation and the calorie consumption.

Weight / Gewicht

Range: 20 to 220 kg

The weight is needed for the CICLOInZone[®]-calculation and the calorie consumption.

Birthdate / Gebjahr.

Default: 1960

Range: 1920 to 2006

The year of birth is necessary for the CICLOInZone[®]-calculation.

InZone

Here you can start the CICLOInZone[®]-calculation by short pressing of right and left button simultaneously (see also chap. 4 for CICLOInZone[®]).

In order to ignore the calculation, just press short left button.

In order to obtain an exact calculation of ones personal CICLOInZone[®] it is necessary to insert the personal data relative to fitness-level, sex, weight and birthdate.

In order to calculate the CICLOInZone[®] position the chest belt correctly, take up a rest position (remain seated and relaxed) and start the CICLOInZone[®] calculation by short pressing of right and left button simultaneously.

The CM 9.3A (+) will then start to time 5 minutes. During this time, stay seated, relaxed and calm, as the CM 9.3A (+) will measure the minimum heart rate reached during this period (heart rate at rest) and will store this value for the subsequent calculation.

After the 5 minutes the lower value of the calculated personal CICLOInZone[®] appears in the display.

Lower HR / untere HF

A lower heart rate limit can be set here or (after CICLOInZone[®]-calculation) the calculated value is shown.

When the current heart rate is lower than this value, the CM 9.3A (+) shows an arrow (t) as an optical alarm.

Range: 0 to 220 bpm

Upper HR / obere HF

An upper heart rate limit can be set here or (after CICLOInZone[®]-calculation) the calculated value is shown.

When the current heart rate is higher than this value, the CM 9.3A (+) shows an arrow (s) as an optical alarm.

Range: 0 to 240 bpm

Max HR / Max HF

Shows the maximum heart rate, calculated with CICLOInZone[®].

Range: 0 to 240 bpm

SET MISC

Here you can switch on the powerdown-mode or make a reset (delete all values).

Powerdown / STROMSPAR

Switch on the powerdown-mode (e.g. before changing of the battery, to save the values).

To switch it on, press right and left button short simultaneously, display fades out and CM 9.3A (+) is in powerdown-mode. By short pressing of any button, CM 9.3A (+) starts again and shows normal mode.

Reset / Löschen

Here you can delete all values (including all values of the recorded tours or the initializations). For this press right and left button short simultaneously, display shows 'reset' and then normal mode.

If you only want to delete the day values, simultaneously press all three buttons for three seconds in normal mode.

PC-LINK / PC VERB

To start PC transmission.

Select with centre button.

LINK / VERBINDEN

If USB-Interface has been connected, start connection by pressing left and right buttons simultaneously. For further actions, see chapter 7.

SENSORS/Sensoren

Here you can initialize you're sensors.

Select the sensor and press the center button. Now press the left and right button (press the left button for going back in to the menu), now the device will count to 100% in this time you need to give a signal (move the magnet over the sensor).

If the initializing worked, "Connected" will be displayed in the lower display and if not "Fail" will be displayed.

If you want to initialize the Transmitters for Bike 2 you need switch the mode from bike 1 to 2. REMIND: Only the heart rate monitor is the same for both bikes.

SPEED

Here you can initialize you're speed sensor.

Cadence

Here you can initialize you're cadence sensor.

Combo

Here you can initialize you're combo sensor.

HR

Here you can initialize you're heart rate belt.

Power

Here you can initialize you're power measurement system.

EXIT/ENDE

To leave setting mode press middle button short.

LANGUAGE / SPRACHE

Here the display language can be changed (English / German).



Other functions:

Night light display:

To **switch on the light** for 5 seconds, **press left button 4 seconds**. To activate the light manager (i.e. in the next 5 hours light is switched on for 5 sec. automatically with every button press) press left button 8 seconds. Display shows ‚LIGHT MGR ON‘.

To deactivate the light manager, press again left button 8 seconds, display shows ‚LIGHT MGR OFF‘.

Note: light requires a lot of battery power, so if you use it often, battery life will be reduced.

7. PC Analysis / PC Transfer

CM 9.3A (+) is able to analyse the recorded tours on your PC. To start recording, press the left and right buttons simultaneously for 3 seconds before starting the tour. The daily values will be deleted (0) and the altitude reset to the home altitude (if adjusted). and then CM 9.3A (+) will start recording (during recording the mountain symbol will flash in the upper display).

At the end of the tour, press the left and right buttons simultaneously for 3 seconds again to stop the recording (mountain symbol will stop flashing).

To transfer the recorded values to your PC, you will need the USB-Dongle (for the installation you go to www.ciclosport.com → Service → Download → Software). Then follow the instructions of the program. You need a program to display the Data like Strava.

At the CM 9.3A (+) start function “PC-Connection” (choose “PC-Link” / “PC Verb” and confirm with centre button. “LINK” / “VERB” will be displayed. To start the transmission shortly press left and right buttons simultaneously).

After the transfer “PC Link” / “PC Verb.” will be displayed automatically.

8. CICLOInZone® – Philosophy and use

CICLOInZone® is a solution for the very best personalisation of your training routine.

It is possible to calculate the optimum training threshold with the CICLOInZone® function on the basis of your personal data and your pulse rate when at rest.

CICLOInZone® is the ideal solution for personalised cardio training applied to any sport, from jogging and cross-country running to road and indoor cycling.

Improve your fitness? – Lose weight? – Train whilst always taking your health into consideration? Everyone will find the correct aim to follow in their training. But how do you train to achieve those aims in the most efficient possible manner? How do you find the right intensity of effort during the training? CICLOInZone® is the optimum training ZONE for effort, resistance and weight loss.

What does CICLOInZone® do?

It calculates the optimum training zone for effort, resistance and weight loss. The values vary from person to person and they offer a valid training support – always staying between 70 % and 85 % of the maximum heart rate.

(+/- 5% of tolerance, taking into consideration the actual heart rate when at rest and the level of training).

The question of burning fat is seen in the “correct” light with CICLOInZone® – on the basis of the personal data collected.

9. Battery change

CM 9.3A (+): First you should put CM 9.3A (+) into the “Powerdown Mode” (see chapter 5 Settings) Open battery cap with a coin (unscrew to the left). Insert battery type CR2032 (please use battery with smooth minus-pole) with plus-pole facing up. Close battery cap, being sure not to over tighten. After inserting the battery the display will show normal mode.

Transmitter: Open battery cap at the top of the transmitter with a coin (unscrew to the left), remove old battery and insert new 12 V battery, type 23A (with pluspole facing up) or battery type CR2032. Close battery cap, being sure not to over tighten. (Battery change in the optional cadence transmitter works in the same way.)

Please do not throw away battery in your normal garbage.

11. Guarantee

We offer a guarantee for 2 years from the date of purchase on the CM 8.3A. The guarantee is limited to material and processing faults. Broken transmitters, or damages of wasted parts of CM 9.3A (+) are excluded from the guarantee.

The guarantee is valid only if the computer, with accessories, has been handled and maintained carefully and according to operating instructions.

The guarantee will take place through changes of or repairing the defective parts. The guarantee doesn't cover direct, indirect or subsequent damages which are related to the product.

This guarantee doesn't limit any rights of the consumer (considering relative national law) in respect to the dealer.

To return the CM 9.3A (+) under conditions/terms of the guarantee, please refer to your dealer, your local distributor or send the computer with the proof of purchase (date) and all accessories and with sufficient postage to:

CICLO SPORT SERVICE

K. W. Hochschorner GmbH

Einsteinstraße 39a

D-82152 Martinsried

E-Mail: ciclo-service@ciclosport.de

Please read through the operating manual again carefully before sending in the device and check the battery.

In case of valid guarantee claims, the repaired device or a replacement device will be returned free of charge.

Repair:

If your CM 9.3A (+) is sent in for repair (or battery change) or if a guarantee claim is not valid, repairs up to EUR 19.- will be carried out automatically.

In case of higher repair costs you will be notified. The repaired device will be sent back COD.

12. Technical Data

CM 9.3A (+) (receiver)

Watersplash resistant

Operating temperature: - 10°C to + 50°C

Battery: CR 2032 Lithium

Speed transmitter / optional cadence transmitter

Reach: bis 2 m

Operating temperature: -10°C to 50°C

Transmission frequency: 2,4 GHz Battery: CR2032 Lithium

Optional transmitter belt (heart rate transmitter)

Reach: 5 m

Operating temperature: 0°C to 50°C

Battery: CR2032 Lithium

Transmission frequency: 2,4 GHz

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Subject to technical alterations and fault.

FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

NOTE: The grantee is not responsible

for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.