



MC 2.0 WL

DE *Bedienungsanleitung*

ENG *Instruction Manual*

FR *Manuel d' Installation et d' Utilisation*

IT *Manuale d' Installazione e Funzionamento*

ES *Instalacion y operación manual*

NL *Handleiding*

PL *Instrukcja obsługi licznika*

Introduction

Congratulations

In choosing a VDO computer, you have opted for high-quality device with the latest technology. In order to fully benefit from the potential of the computer, we recommend that you carefully read this manual. It contains the full operating instructions and many useful tips.

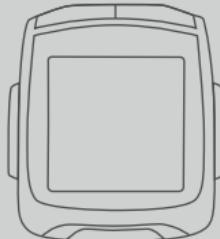
We hope you enjoy cycling with your VDO bike computer.

Cycle Parts GmbH

Pack contents

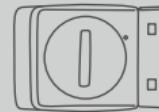
First, please ensure that the contents of this pack are complete:

1 VDO computer



1 speed sensor

Battery installed



Accessories:

1 rubber pad
for speed sensor



1 universal handlebar bracket



1 spoke magnet
(clip magnet)



1 battery 3 V-2032
for computer



Cable ties for attaching the
bracket and the transmitter



Table of contents

1. Display	42	5.3 Inserting the computer into the handlebar bracket	58
2. Operation	44	6. Basic settings	59
3. Functions	46	6.1 Selecting the language	59
3.1 Information functions, BIKE	46	6.2 Setting the units (kmh/mph, Meter/feet, Celsius/Fahrenheit, KG/LBS)	59
3.2 Information functions, ALTI	47	6.3 Setting the tyre size	60
3.3 PULSE option	48	6.4 Setting personal data	62
3.4 CADENCE option	49	6.5 Selecting the transmitter (PULSE or CADENCE or NONE)	63
3.5 Information functions PULSE	49	6.6 Setting the clock	64
3.6 Information functions CADENCE	50	6.7 Setting the odometer	65
3.7 Selection of BIKE 1 or BIKE 2	51	6.8 Setting the navigator	66
3.8 Pairing of transmitters, selecting the transmitters	52	6.9 Setting the ride time	67
3.9 Display backlight	53	6.10 Setting the start altitude/home altitude	68
3.10 Selecting an HR training zone	53	6.11 Setting the current altitude/actual altitude	69
3.11 Selecting the start altitude / recalibrating the current altitude	54	6.12 Automatic altitude adjustment during bike transport	70
3.12 Auto-starting/stopping the computer	55	6.13 Setting the altitude gain uphill	70
3.13 Starting/stopping the stopwatch	55	6.14 Setting the altitude loss downhill	71
		6.15 Setting the beeper	72
4. Reset	56	7. Sleep mode	73
4.1 Resetting the trip data	56	8. Terms of guarantee	74
4.2 Resetting the stopwatch	56	9. Troubleshooting	75
4.3 Resetting the NAVIGATOR	56	10. Technical specifications	77
4.4 Resetting to factory settings	57		
5. Installation	57		
5.1 Fitting the transmitter, magnet and handlebar bracket	57		
5.2 Installing the battery in the computer	58		
		<i>>>> P02 references at the start of a section refer to the pictures in the picture book!</i>	



Your VDO computer comes without battery built in. Before you start, please insert battery.
See also section 5.2.

1. Display

The display can be divided into six areas:

Area 1

Temperature,
current altitude,
current uphill/
downhill gradient

Area 2

Current heart rate
Or:
Current cadence

Area 6

Indicator elements

The description of the individual indicators can be found on the right-hand side.



 **Stopwatch indicator**

Shows that the stopwatch is still running whilst other information is provided on the display.

 **Indicator bike 1/bike 2**

The computer can use two different settings for two bikes. The indicator shows which of the two bikes you have chosen to use. The total distance is measured and stored separately for bike 1 and bike 2.

 **Measurement unit (KMH or MPH)**

The computer can display both KMH and MPH. Distances are correspondingly displayed in kilometers or miles. The indicator shows the selected measurement unit

 **Difference indicator – speed (current) to speed (average)**

The computer compares the current speed with the average speed. The indicator shows whether the current speed is

- ➊ greater than the average speed (+1 km/h)
- ➋ less than the average speed (-1 km/h)
- ➌ or the same as the average speed (tolerance +/- 1 km/h)

  **Menu prompt indicator**

When a submenu has been accessed, these indicators flash and show that there are other selection options or that the computer is waiting for an entry (setting mode).

 **Display backlight**

The LIGHT ICON indicates if the backlight-mode has been switched on.

  **Heart rate/cadence indicator**

The indicator shows whether you have chosen the heartrate or the cadence sensor.

**Zone indicator**

The zone indicator shows whether your heart rate or cadence are within the set training zone.

- ➊ Up arrow: heart rate/cadence below the lower limit
- ➋ Down arrow: heart rate/cadence above the set upper limit
- ➌ Both arrows: heart rate/cadence within the set training zone

2. Operation

To make your computer easy to use, we have developed the EMC = Easy Menu Control system. The EMC makes your computer easier to operate by means of full-text menu guidance, as is used on most mobile phones.

C = CLEAR

In function mode:

- ◎ Jump back a menu level from the submenu.
- ◎ Press and hold **C** for three seconds:
 - ◎ Reset trip data to zero.
 - ◎ Reset stopwatch to zero.
 - ◎ Reset navigator to zero.

In setting mode:

- ◎ Press and hold **C** for three seconds: Exit the settings menu, return to function mode.
- ◎ Correct an entry.
- ◎ Jump back a digit.

A = ALTI

In function mode:

- ◎ Altitude information is displayed.

In setting mode:

- ◎ Scroll backwards in the menu.
- ◎ Decrease the number to be set.

C = CLEAR

A = ALTI

P = P/CAD

BIKE = BIKE

Menu indicators on the display flash to show that there are other selection options. In function mode, the computer is operated using five buttons. In setting mode, the computer is operated using four buttons.

M = MENU

In function mode:

- ◎ Access available submenu. You can recognise a submenu by the flashing menu indicators.
- ◎ Confirm selection.
- ◎ Start/stop the stopwatch.
- ◎ Press and hold **M** for three seconds:
 - ◎ Open the settings menu.

In setting mode:

- ◎ Select a setting.
- ◎ Confirm a setting.
- ◎ Confirm a selection made.

P = P/CAD

In function mode:

- ◎ Heart rate information or
- ◎ Cadence information

In setting mode:

- ◎ Scroll forwards in the menu.
- ◎ Increase the number to be set.

FUNCTION 3

FUNCTION 4

FUNCTION 5

FUNCTION 6

EMC

BIKE

M = MENU

P = P/CAD

BIKE = BIKE

FUNCTION 3

FUNCTION 4

FUNCTION 5

FUNCTION 6

EMC

BIKE

A = ALTI**In function mode:**

- Altitude information is displayed.
- If the submenu is open:
Scroll down in the submenu.
- Press and hold ALTI for three seconds:
Opens the menu for recalibrating the current altitude.

In setting mode:

- Scroll down within the setting modes.
- Decrease a digit.

P = P/CAD**In function mode:**

- Displays the heart rate information and the stopwatch (if heart rate has been paired).
- Or:
Displays the cadence information and the stopwatch (if cadence has been paired).
- If the submenu is open: Scroll up in the submenu.
- Press and hold HR/CAD for three seconds:
Opens the menu for selecting the heart rate training zone (if heart rate transmitter has been paired).

In setting mode:

- Scroll up within the setting modes.
- Increase a digit.

BIKE = BIKE

- Displays the bike functions, e.g. trip distance, average speed etc.

BIKE + M = BIKE+MENU

- Press the buttons BIKE+MENU (hold for three seconds) to open the menu for selecting the transmitter for heart rate or cadence.

A + P = ALTI+P

- Press the buttons ALTI+P to start/stop the stopwatch.
- The stopwatch immediately appears on the display and is started or stopped.

BIKE + C = BIKE+CLEAR

- Press the buttons BIKE+CLEAR to activate the display backlight.
- When the display backlight is activated, the LIGHT icon  is displayed.
- When the display backlight is activated, the display is lit for a few seconds every time a button is pressed.

**ATTENTION: press the buttons BIKE + CLEAR again to switch off the display backlight during the day.
This SAVES BATTERY POWER.**

3. Functions

3.1 Information functions, BIKE

CURRENT SPEED

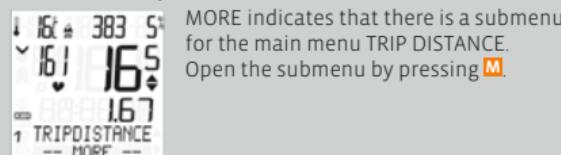
Permanently shown on the display.

Accuracy: 0,5 KM/H/MPH

TRIP DISTANCE

Shows the distance of the current trip since the last reset. Maximum value 999.99 km. If the maximum value is exceeded, the odometer starts again at zero.

TRIP DISTANCE/MORE



In the submenu you will find (scroll by pressing ALTI **A** or **P**):

- Total distance BIKE 1 up to max. 99,999 km
- Total distance BIKE 2 up to max. 99,999 km
- Total distance for bike 1 + bike 2 up to max. 199,999 km

Exit the submenu by pressing **C**

RIDE TIME

Shows the ride time for the current trip distance since the last reset. Maximum 99:59:59 HH:MM:SS.

If the maximum value is exceeded, the ride time measurement starts again at zero.



RIDE TIME/MORE

MORE indicates that there is a submenu for the main menu RIDE TIME. Open the submenu by pressing **M**.

In the submenu you will find (scroll by pressing ALTI **A** or **P**):

- Total ride time bike 1 up to max. 999:59 HHH:MM
- Total ride time bike 2 up to max. 999:59 HHH:MM
- Total ride time bike 1 + bike 2 up to max. 1999:59 HHHH:MM

Exit the submenu by pressing **C**



AVG SPEED

Shows the average speed since the last reset. Accuracy: 2 decimal places.



MAX SPEED

Shows the maximum speed on the current trip since the last reset. Accuracy: 2 decimal places.

NAVIGATOR

The navigator is a second trip distance counter. The NAVIGATOR:

- is independent of the trip distance counter.
- can be reset to zero as often as you want.
- can be set to a starting value.
- can count forwards or backwards from this starting value.

These special options make it easier to follow instructions from a touring book or road book.



NAVIGATOR/SET

SET indicates that there is a submenu for the main menu NAVIGATOR. Open the submenu by pressing **M**.

You can set a start value here and decide whether the NAVIGATOR counts forwards or backwards from this start value.

3.2 Information functions, ALTI

ALTI UP

Shows the altitude gain uphill on the current trip since the last reset.



ALTI UP--MORE--

MORE indicates that there is a submenu for the main menu ALTI UP. Open the submenu by pressing **M**.

In the submenu, you will find (scroll by pressing ALTI **A** or **P**):

- **Altitude gain uphill for bike 1**
- **Altitude gain uphill for bike 2**
- **Total altitude gain uphill for bikes 1 + 2**

Exit the submenu by pressing **C**.

ALTI MAX

Shows the maximum altitude (highest point) reached on the current trip.



ALTI MAX--MORE--

MORE indicates that there is a submenu for the main menu ALTI MAX. Open the submenu by pressing **M**.

In the submenu, you will find (scroll by pressing ALTI **A** or **P**):

ALTI MAX for BIKE 1:

highest point of all previous trips with bike 1.

ALTI MAX for BIKE 2:

highest point of all previous trips with bike 2.



AVG CLIMB: average uphill gradient (in percent) on the current trip.



MAX CLIMB: maximum uphill gradient (in percent) on the current trip.

ALTI DOWN

Shows the altitude loss downhill on the current trip since the last reset.



ALTI DOWN--MORE--

MORE indicates that there is a submenu for the main menu ALTI DOWN. Open the submenu by pressing **M**.

3.3 PULSE option

>>> P04-05

Selecting the pulse or cadence option

The PULSE menu is only available if:

- ◎ the PULSE transmitter has been selected (see transmitter selection in sections 3.8 and 6.5).
- ◎ the PULSE transmitter was paired during pairing.

Note: the heart rate and cadence cannot be received simultaneously.

In the submenu, you will find (scroll by pressing ALTI **A** or PULSE **P**):

- ◎ **Altitude loss downhill for bike 1**
- ◎ **Altitude loss downhill for bike 2**
- ◎ **Total altitude loss downhill for bikes 1 + 2**

Exit the submenu by pressing **C**.



AVG DOWN: shows the average downhill gradient of the current trip (in percent).



MAX DOWN: shows the maximum downhill gradient of the current trip (in percent).



After pairing the PULSE transmitter, the current heartrate is shown in area 2 of the current HR display. In function mode, the functions can be accessed by pressing the button P/CAD **P**. RESETTING the trip data also resets the HR data to zero.

3.4 Cadence option

The cadence menu is only available if

- the cadence transmitter has been installed.
- the cadence transmitter has been selected (see transmitter selection in sections 3.8 and 6.5).
- the transmitter was paired during pairing.

Note: the heart rate and cadence cannot be received simultaneously.



After pairing the cadence transmitter, the current cadence is shown in area 2 of the display. In function mode, the cadence information can be accessed by pressing the button P/CAD .

Resetting the trip data also resets the cadence data to zero.

3.5 Information functions, PULSE

This information is only available if the PULSE transmitter has been selected and paired.



AVG PULSE: shows the average heart rate for the current trip (since the last reset).



MAX PULSE: shows the maximum (highest) heart rate for the current trip (since the last reset).



CALORIES: shows the calories burnt on the current trip (since the last reset).



TIME BELOW: shows the time during which the heart rate was below the lower limit set for the training zone.



TIME IN: shows the time during which the heart rate was within the set training zone.



TIME ABOVE: shows the time during which the heart rate was above the upper limit set for the training zone.



STOPWATCH: independent stopwatch for measuring times/intervals.



CLOCK: shows the current time. 12 hour AM/PM or 24 hour-mode possible.

3.6 Information functions, CADENCE ⚡

>>> P06

This information is available if the cadence transmitter has been selected and paired.



AVG CAD: shows the average cadence of the current trip (since the last reset).



MAX CAD: shows the maximum cadence of the current trip (since the last reset).



TIME BELOW: shows the time during which the cadence was below the lower limit set for the training zone.



TIME IN: shows the time during which the cadence was within the set training zone.



TIME ABOVE: shows the time during which the cadence was above the upper limit set for the training zone.



STOPWATCH: independent stopwatch for measuring times/intervals.



CLOCK: shows the current time. 12 hour AM/PM or 24 hour-mode possible.

3.7 Selection of BIKE 1 or BIKE 2

>>> P02

Your VDO computer can be used on two bikes. If you want to change from bike 1 to bike 2, **the computer detects** the transmitter for bike 2. The computer then **automatically** switches to bike 2. All data is now saved for bike 2. If you return to using the computer on bike 1, transmitter 1 is detected. The computer automatically switches to bike 1. The data is now saved for bike 1.

The selected bike 1 or 2 is shown at the bottom left of the display (P02).

Note: the transmitter on bike 2 must have been set to bike 2 before using it the first time.

>>> P02

3.8 Pairing of transmitters, selecting the transmitters

The speed, heart rate and cadence signals are transmitted to your computer in digital, encoded format. This technology is less prone to interference than analogue transmission, thus preventing data overlaps (cross talk) when cycling in a group. For the computer to acquire the digital encodings from the transmitter, pairing must occur:

Step 1 Select whether you want to view the heart rate or cadence or no heart rate/cadence data on the display.



Press and hold **M + BIKE** for three seconds.
Press **ALTI A** or **P** to select the desired transmitter
CADENCE or **HEARTRATE** or **NONE** (no heart rate and no cadence). Confirm your selection by pressing **M**.



HEARTRATE--SELECT OK? or **CADENCE--SELECT OK?** or **NONE--SELECT OK?** appears on the display.
Confirm the selection by pressing **M**.
The MC 2.0 confirms by displaying **SENSOR SELECT--DONE**.



Step 2 Place the computer into the handlebar bracket. The speed and HR or cadence displays now flash. If you have not selected a transmitter (heart rate or cadence), only the speed display flashes. The flashing indicates that the computer is searching for its transmitter.

Step 3 Now spin the front wheel or simply set off and the computer acquires the digital encodings (pairing). If the pairing process was successful, the speed and heart rate or cadence will appear on the display.

*ATTENTION: the time window for pairing is five minutes.
If you do not start cycling during these five minutes, no pairing takes place. The speed, heart rate or cadence will not be displayed.
The pairing then has to be repeated:*

• If the computer has gone into sleep mode, a new pairing process is started by pressing a button.

Alternatively:

Place the computer back into the handlebar bracket.

3.9 Display backlight

The MC 2.0 has a display backlight.

The display backlight is activated by pressing the buttons **BIKE** + **C**.

If the display backlight is activated, the **LIGHT** icon appears on the display. ☀

If the display backlight is activated and a button is pressed, the backlight illuminates for a few seconds.

ATTENTION: press the buttons BIKE + CLEAR again to switch off the display backlight during the day. This SAVES BATTERY POWER.

3.10 Selecting a **PULSE** training zone

If the **PULSE** transmitter has been selected, the **P/CAD** button **P** can be used to select the training zone.

The MC 2.0 has three training zones.



Press and hold **P/CAD** **P** for three seconds.
PULSE ZONE SELECT? flashes.
PULSE ZONE
 ◉ **FIT** 134-153 (numerical example)
 ◉ **FAT** 105-134 (numerical example)
 ◉ **OWN** 105-155 (numerical example)
 is displayed.

The desired training zone is selected by pressing the **P** or **ALTI** button **A**. The selection is confirmed by pressing the **M** button. **OWN** 105-155 (numerical example) **SELECT OK?** Is queried.

Confirmed by pressing the **M** button.

The MC 2.0 confirms by displaying **PULSE ZONE--SELECT DONE**.



For the **FIT** zone, the **lower limit is calculated at 70 percent** and the **upper limit at 80 percent** of the personal maximum heart rate.



For the **FAT** zone (fat-burning zone), the **lower limit is calculated at 55 percent** and the **upper limit at 70 percent** of the personal maximum heart rate. The personal maximum heart rate is set in the settings under **PERS. DATA** (see section 6.4).

3.11 Selecting the start altitude / recalibrating the actual altitude

The MC 2.0 can work with two different start altitudes (example: home altitude and altitude at holiday location). The current altitude can be set by entering the number of METERS or the AIR PRESSURE. Please also read section 6.10.

START ALTITUDE

- ◎ Press and hold the ALTI button **A** for three seconds.
- ◎ ALTITUDE SELECT? flashes on the display.
- ◎ ALTITUDE
 - ◎ ACTUAL ALTI
 - ◎ HOME 1
 - ◎ HOME 2
 is displayed (depending on the previously accessed configuration).
- ◎ A selection is made by pressing ALTI **A** or P/CAD **P**.
- ◎ The selection is confirmed by pressing **M**.
- ◎ For the start altitudes, the query 300 appears (numerical example).
- ◎ HOME ALTI 1 (or 2) SELECT OK?
- ◎ The selection is confirmed by pressing MENU.
- ◎ The MC 2.0 confirms by displaying ALTITUDE DONE.

ACTUAL ALTITUDE

ACTUAL ALTITUDE can be used to re-calibrate the current altitude. This can be done by entering the (known) altitude in METERS or the AIR PRESSURE. The sea level pressure can be found online on weather forecast websites.



Press **M** to confirm the ALTITUDE--ACTUAL ALTI setting.

ACTUAL ALTI--ALTITUDE or
ACTUAL ALTI--AIR PRESSURE
is displayed.

A selection is made by pressing the **P** or ALTI
button **A**.

Confirm the selection by pressing **M**.

The digit to be set flashes.

Pressing P/CAD **P** or ALTI **A** increases or reduces the digit.

The following query then appears:
ACTUAL ALTI--SELECT OK?

Confirm the selection by pressing **M**.

The MC 2.0 confirms by displaying ACTUAL ALTI -
SET DONE.

3.12 Auto-starting/stopping the computer



The MC 2.0 has a movement sensor. Following a break, the movement sensor automatically triggers the computer again when you start moving.

The computer can also be manually activated after a break by pressing a button.

3.13 Starting/stopping the stopwatch

To access the stopwatch directly, simultaneously press ALTI **A** + **P**. The stopwatch is shown directly on the display and started.

Pressing ALTI **A** + **P** again stops the stopwatch and displays it directly on the display.

When shown on the display, the stopwatch can also be started/ stopped by pressing the **M** button.

4 Reset

4.1 Resetting the trip data

Press and hold the **C** button for three seconds to reset the trip data to zero before starting the next trip. TOUR--DATA--RESET? is shown on the display. If you continue to hold down the **C** button, the data will be reset.

The following values are reset:

- Trip distance
- Ride time
- Average speed
- Max speed
- Gain in altitude uphill
- Average ascending gradient
- Max ascending gradient
- Loss in altitude downhill
- Average descending gradient
- Max descending gradient

If PULSE is selected:

- Average heart rate
- Max heart rate
- Calories
- Time above
- Time in
- Time below

If CADENCE is selected:

- Average cadence
- Max cadence
- Time above
- Time in
- Time below

4.2 Resetting the stopwatch

The stopwatch can only be reset when shown on the display.

To reset the stopwatch, press and hold the **C** button for three seconds.

The query STOPWATCH--RESET? appears on the display. The stopwatch is reset to zero.

4.3 Resetting the NAVIGATOR

The navigator (2nd trip section odometer) can only be reset when shown on the display.

To reset the navigator, press and hold the **C** button for three seconds.

The query NAVIGATOR--RESET? appears on the display. The navigator is reset to zero.

4.4. Resetting to factory settings

The MC 2.0 can be reset to the factory settings.

ATTENTION: this process deletes all data and all personal settings.

- ◎ Press and hold all buttons simultaneously for three seconds.
- ◎ The query FACTORY-RESET appears on the display.
RESET-SURE?

If you are absolutely sure that you want to reset the MC 2.0 to the factory settings, then confirm the query by pressing **M**.

The MC 2.0 confirms by displaying RESET-DONE.

5 Installation

5.1 Fitting the transmitter, magnet and handlebar bracket

>>> **P01**

Start by fitting the transmitter and magnet.

ATTENTION: the distance between the transmitter and the computer on the handlebars should not exceed 70 cm (transmission range).

Step 1 Place the rubber pad under the transmitter. Fit the transmitter on the same side of the forks where you later want to fit the computer to the handlebars (right or left) using the cable ties supplied (loosely at first, do not pull tight just yet).

ATTENTION: the sensor mark on the transmitter must point to the spokes. Depending on the room available, the sensor can be fitted at the front of the forks, on the inner side (side showing to spokes) of the forks or pointing backwards on the forks. >>> **P03**

Step 2 Place the spoke magnet around an outer spoke. The silver centre of the magnet points towards the transmitter. Align the magnet to the sensor mark on the transmitter leaving a gap of about 1 - 5 mm.

Step 3 Align the transmitter and magnet for good and fasten them in place: pull the cable ties tight and push the magnet in firmly.

Step 4 Decide whether fitting to handlebars or stem and rotate the base of the handlebar holder by 90° accordingly. To do so, undo the screws in the bracket, take out the foot and rotate it 90°, insert and tighten the screws again.

ATTENTION: do not overtighten the screws.

Step 5 Guide the cable ties through the slot in the handlebar bracket, place around the handlebars or the stem and pull (do not pull tight just yet).

Step 6 If fitting to handlebars: align the computer angle to achieve optimum readability. Now pull the cable ties tight. Snip off protruding ends with clippers.

5.2 Installing the battery in the computer

>>> P07

Your VDO computer comes without battery built in. Before you start, please insert battery.

Step 1 Open the battery compartment lid with a coin.

Step 2 Place the battery in the computer casing with the +terminal pointing up.

Step 3 Make sure that the battery does not tilt.

Step 4 Ensure that the rubber seal lies flat on the battery compartment lid.

Step 5 Insert the battery compartment lid into the opening and use a coin to turn it to the right as far as it will go (approx. $\frac{1}{3}$ turn).

Step 6 After inserting the battery, the computer will start the language select-mode. See chapter 6.1

*TIP for changing batteries: VDO recommends changing the battery annually. Buy a new battery in good time to ensure the wireless transmission works perfectly. **When the battery is changed, all settings and all trip totals are saved.***

5.3 Inserting the computer into the handlebar bracket

>>> P08

The VDO twist-click system securely connects the computer to the handlebar bracket.

Step 1 Place the computer into the bracket in a 10 o'clock position.

Step 2 Twist the computer to the right until reaching the 12 o'clock position and click it into the bracket system.

Step 3 To remove the computer, twist it to the left (do not push or pull).

How to remember: **Rigid to the Right, Loose to the Left**

6. Basic settings

6.1 Setting the language



Press and hold **M** for three seconds.
When you set the language for the first time,
the following appears:
SETTINGS-OPEN?, followed by LANGUAGE --SELECT--.
Confirm the selection by pressing **M**.



LANGUAGE-ENGLISH is shown on the display.



Press ALTI **A** or **P** to scroll until LANGUAGE-ENGLISH appears on the display.
Confirm the selection by pressing **M**.



ENGLISH-SELECT-OK? appears in the display.
Confirm the selection by pressing **M**.



The MC 2.0 confirms by displaying SELECT-DONE-LANGUAGE. To exit settings mode,
press and hold the **C** button for three seconds.



SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.2 Setting the dimensions

This area enables you to set the units for:

- Speed and distance (KMH or MPH)
- Altitude (meters or feet)
- Temperature (Celsius or Fahrenheit)
- Weight (kilos or pounds)

Process:

Press and hold **M** for three seconds. OPEN SETTING flashes.
LANGUAGE---SELECT---appears on the display.



Press **P** to scroll to DIMENSION---SET--.
Confirm the selection by pressing **M**.



SPEED--KMH or MPH appears on the display.
Press ALTI **A** or **P** to select KMH or MPH.
Confirm the selection by pressing **M**.



ALTITUDE--METER or FEET is shown on the display.
Press ALTI **A** or **P** to select METER or FEET.
Confirm the selection by pressing **M**.



TEMPERATURE--CELSIUS or FAHRENHEIT is shown on the display.
Press ALTI **A** or **P** to select CELSIUS or FAHRENHEIT.
Confirm the selection by pressing **M**.



WEIGHT--KG or LBS is shown on the display.
Press ALTI **A** or **P** to select KG or LBS.
Confirm the selection by pressing **M**.



Query, DIMENSION SET OK?
Press **M** to confirm the DIMENSION or **C** to go back and change it.
The MC 2.0 confirms by displaying DIMENSION SET DONE.

To exit settings mode, press and hold the **C** button for three seconds.
SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.3 Setting the tyre size

This area is used to set the tyre circumference (tyre roll circumference). The tyre circumference can be separately set for bike 1 and bike 2. The tyre circumference can be manually entered in mm or automatically determined from a table with tyre sizes.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE--SELECT--appears on the display.



Press **P** to scroll to WHEEL SIZE--SET--.
Confirm the selection by pressing **M**.

WHEEL SIZE--BIKE 1 or BIKE 2 is shown on the display.

Press ALTI **A** or **P** to select BIKE 1 or BIKE 2.
Confirm the selection by pressing **M**

WHEELSIZE
BIKE 1

WHEEL SIZE--MANUAL SET or TYRE SELECT is shown on the display.

Press ALTI **A** or **P** to select MANUAL SET or TYRE SELECT list.
Confirm the selection by pressing **M**

WHEELSIZE
MANUAL SET

If MANUAL SET is selected:

The tyre size in mm flashes (if MPH is selected, the size is displayed in inches). Press ALTI **A** to reduce the tyre circumference or **P** to increase it.

2155
BIKE 1
UP/DOWN/MENU

Once you have set the correct tyre circumference, press **M** to confirm your setting.
BIKE 1 (or BIKE 2) SET OK? is shown on the display.

2285
BIKE 1
SET OK?

Press **M** in confirmation or **C** to make a correction.
The MC 2.0 confirms by displaying WHEEL SIZE-SET DONE.

If TYRE SELECT is selected:

Press ALTI **A** or **P** to scroll through the tyre list.

WHEELSIZE
TYRE SELECT

TYRE SELECT
700 x 23 C

700 x 23 C
SELECT OK?

Once your tyre type is displayed (e.g. 700 x 23 C) confirm it by pressing **M**

700 x 23 C--SELECT OK? is shown on the display.
Press **M** to confirm the selection or **C** to change it.
The MC 2.0 confirms by displaying WHEEL SIZE-SET DONE.

To exit settings mode, press and hold the **C** button for three seconds.
SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

An overview of the tyre list can be found in the picture book >>> P07.

6.4 Setting personal data

The personal data can be used to store details of your age, weight and gender. The MC 2.0 uses these details to calculate your personal maximum heart rate and thus the upper and lower limits for the heart rate training zones.

You can also specify the upper and lower limits for your own training zone in the personal settings.

Furthermore, you can specify the upper and lower limits for cadence training.

Process:

Press and hold **M** for three seconds. OPEN SETTING flashes. LANGUAGE--SELECT--appears on the display.



Press **P** to scroll to PERS. DATA --SET--.
Press **M** in confirmation.



SET AGE appears on the display.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET WEIGHT appears on the display.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET SEX--MALE or FEMALE appears on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.



PULSE MAX appears on the display.
The maximum heart rate value calculated using the personal details flashes.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET PULSE--LOW LIMIT appears on the display.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET PULSE--HIGH LIMIT appears on the display. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET CADENCE--LOW LIMIT appears on the display. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



SET CADENCE--HIGH LIMIT appears on the display. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



PERS. DATA--SET OK? query. Press **M** in confirmation or **C** to make a correction. The MC 2.0 confirms by displaying PERS. DATA-SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.5 Selecting a sensor

See also section 3.8.

You can use this area to determine whether you want to ride with heart rate data or cadence data. You can change this before each trip.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE---SELECT---appears on the display.



Press **P** **P** to scroll to SENSOR--SELECT--. Press **M** in confirmation.



SELECT CADENCE or HEARTRATE or NONE appears on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.



CADENCE or HEARTRATE or NONE--SELECT OK? is shown in display. Press **M** in confirmation.
The MC 2.0 confirms by displaying SENSOR--SELECT DONE.

To exit settings mode, press and hold the **C** button for three seconds.
SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.6 Setting the clock

This area enables you to set the current time.
The time can be set in 24 or 12-hour format.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes.
LANGUAGE--SELECT--appears on the display.



CLOCK 24-H-MODE or 12-H-MODE appears on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.



CLOCK--SET HOURS appears on the display.
The hour flashes.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



Press **P** to scroll to CLOCK---SET---.
Press **M** in confirmation.



CLOCK--SET MINUTES appears on the display. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



CLOCK--SET OK? query. Press **M** in confirmation. The MC 2.0 confirms by displaying CLOCK--SET DONE.

6.7. Setting the total distance

This area enables you to set the total distance cycled. The information is separately provided for bike 1 and bike 2. At the start of the season, you can reset the total distance cycled to zero, for example.

ATTENTION: the total distance is SAVED when the battery is changed. The data is not lost.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE---SELECT---appears on the display.



Press **P** to scroll to ODOMETER---SET---. Press **M** in confirmation.



ODOMETER ODO BIKE 1 or ODO BIKE 2 is shown on the display. Press ALTI **A** or **P** to make a selection. Press **M** in confirmation.



ODO BIKE 1 (or 2)--SET KM or SET MILE is shown on the display.

The first digit flashes.

Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.

The second digit now flashes.

Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.

Continue the setting process until all digits have been set.





ODO BIKE 1 (or BIKE 2)---SET OK? Press **M** to confirm or **C** to make a correction.
The MC 2.0 confirms by displaying ODO BIKE 1 (or BIKE 2) SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. SETTINGS---CLOSE? flashes. The MC 2.0 switches back to function mode.

6.8 Setting the navigator

The navigator is directly set from the **function menu**.

Process:



NAVIGATOR---SET--- is shown on the display.
Press **M** in confirmation.

The second digit now flashes.

Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.

Continue the setting process until all digits have been set.



NAVIGATOR--SET OK? query
Press **M** in confirmation.



NAVIGATOR--FORWARD or BACKWARD appears on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.

The MC 2.0 confirms by displaying NAVIGATOR-SET DONE. Once the setting is complete, the MC 2.0 automatically switches back to function mode.



NAVIGATOR--SET DISTANCE appears on the display.
The distance in meters flashes.
The first digit flashes.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.

6.9 Setting the ride time

The total ride time can be separately set for bike 1 and bike 2. Before the start of the season, you can reset the total ride time to zero.

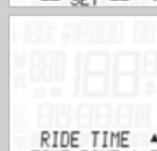
ATTENTION: the total ride time is SAVED when the battery is changed. The data is not lost.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE--SELECT--appears on the display.



Press **P** to scroll to RIDE TIME --SET--. Press **M** in confirmation.



RIDE TIME--TIME BIKE 1 or TIME BIKE 2 is shown on the display. Press ALTI **A** or **P** to make a selection. Press **M** in confirmation.



TIME BIKE 1-SET HOURS appears on the display. The hours flash. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



TIME BIKE 1-SET MINUTES appears on the display. The minutes flash.

Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



TIME BIKE 1-SET OK? Press **M** in confirmation.



The MC 2.0 confirms by displaying TIME BIKE 1--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.10 Setting the start altitude/home altitude

You can enter two different start altitudes in the MC 2.0. One start altitude can, for example, be your home start altitude. The second start altitude can, for example, be the start altitude of a holiday location. Before starting each trip, you can use the start altitude to quickly and easily re-calibrate the current air pressure in line with the start altitude set.

Topic: re-calibration

The MC 2.0 measures the altitude using the air pressure. The air pressure changes depending on the weather. The changed air pressure leads to an incorrect altitude reading. Through recalibration, the currently measured air pressure is calculated back to the set start altitude.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE--SELECT--appears on the display.



Press **P** to scroll to HOME ALTI--SET--.
Press **M** in confirmation.



HOME ALTI--HOME ALTI 1 or HOME ALTI 2 appears on the display.

Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.



HOME ALTI 1--SET METER or SET FEET appears on the display. The meter or feet number flashes.
Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



HOME ALTI 1--SET OK?
Press **M** in confirmation.

The MC 2.0 confirms by displaying HOME ALTI 1--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.11 Setting the current altitude/actual altitude

This area enables you to set the current altitude.

The current altitude is set if the air pressure has changed due to the weather and the altitude shown on the display no longer corresponds to the actual current altitude (e.g. the altitude details shown at the summit).

There are two ways of setting the current altitude. Enter the current altitude in meters/feet or the sea level pressure. On entering the sea level pressure, the current altitude is calculated.

Details of the sea level pressure can be found at www.meteo24.de, for example.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE---SELECT--- appears on the display.



Press ALTI **A** to scroll to ACTUAL ALTI--- SET ---.
Press **M** in confirmation.



ACTUAL ALTI--ALTITUDE or AIR PRESSURE appears on the display.

Press ALTI **A** or **P** to make a selection.

Press **M** in confirmation.

If ALTITUDE is selected:



ACTUAL ALTI--SET METER or FEET appears on the display. The meter or feet number flashes.

Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.



ACTUAL ALTI--SET OK?
Press **M** in confirmation.

The MC 2.0 confirms by displaying ACTUAL ALTI--SET DONE.

If AIR PRESSURE is selected:

AIR PRESSURE--SET PRESSURE appears on the display. The air pressure number flashes. Press ALTI **A** to reduce the value or **P** to increase it. Once you have set the correct value, press **M** to confirm your setting.

Dimension of Air Pressure is hPa.



AIR PRESSURE--SET OK?
Press **M** in confirmation.

The MC 2.0 confirms by displaying ACTUAL ALTI--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. CLOSE SETTING flashes. The MC 2.0 switches back to function mode.

6.12 Adjusting the altitude when transporting the bike

The MC 2.0 has a movement sensor. If the bike is transported with the MC 2.0 (e.g. by car), the movement sensor will adjust the current altitude if the air pressure changes during transportation.

To do this, the MC 2.0 WL must be positioned in the handlebar bracket.

6.13 Setting the altitude gain uphill

The altitude gain uphill can be separately set for BIKE 1 and BIKE 2.

Before the start of the season, you can reset the total altitude gain to zero.

ATTENTION: the total altitude gain is SAVED when the battery is changed. The data is not lost.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes. LANGUAGE---SELECT---appears on the display.



Press **P** to scroll to ALTI UP--SET--.
Press **M** in confirmation.

ALTI UP--ALTI UP 1 or 2 is shown on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.



ALTI UP 1--SET METER or FEET appears on the display.
The first digit of the altitude reading flashes.
Press ALTI **A** to reduce the value or **P** to increase it.
Once you have set the correct value, press **M** to confirm your setting.

The second digit flashes.
Press ALTI **A** to reduce the value or **P** to increase it.
Once you have set the correct value, press **M** to confirm your setting.
Continue the setting process until all digits have been set.

ALTI UP 1--SET OK?
Press **M** in confirmation.



The MC 2.0 confirms by displaying ALTI UP 1--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds.
SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.14 Setting the altitude loss downhill

The altitude loss downhill can be separately set for bike 1 and bike 2.

Before the start of the season, you can reset the total altitude loss to zero.

ATTENTION: the total altitude loss is SAVED when the battery is changed. The data is not lost.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes.
LANGUAGE--SELECT-- appears on the display.



Press **P** to scroll to ALTI DOWN--SET--.
Press **M** in confirmation.



ALTI DOWN--ALTI DOWN 1 or 2 is shown on the display.
Press ALTI **A** or **P** to make a selection.
Press **M** in confirmation.

ALTI DOWN 1-SET METER or FEET appears on the display.
The first digit of the altitude reading flashes.
Press ALTI **A** to reduce the value or **P** to increase it.
Once you have set the correct value, press **M** to confirm your setting.

The second digit flashes.
Press ALTI **A** to reduce the value or **P** to increase it.
Once you have set the correct value, press **M** to confirm your setting.

Continue the setting process until all digits have been set.



ALTI DOWN 1-SET OK?
Press **M** in confirmation.

The MC 2.0 confirms by displaying ALTI DOWN 1--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds.
SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

6.15 Setting the beeper

This area enables you to switch the heart rate warning beeper on or off. If the current heart rate is below the lower limit set or above the upper limit set, the beeper will beep.

Process:

Press and hold **M** for three seconds. SETTINGS--OPEN? flashes.
LANGUAGE---SELECT---appears on the display.



Press ALTI **A** or **P** to scroll to BEEPER--SET--.
Press **M** in confirmation.



BEEPER--ON or OFF appears on the display. Press ALTI **A** or **P** to make a selection. Press **M** in confirmation. BEEPER ON (or OFF)--SET OK? Press **M** in confirmation.

The MC 2.0 confirms by displaying BEEPER--SET DONE.

To exit settings mode, press and hold the **C** button for three seconds. SETTINGS--CLOSE? flashes. The MC 2.0 switches back to function mode.

7. Sleep mode

The MC 2.0 has a sleep mode to save the battery.



The MC 2.0 goes into sleep mode after five minutes if no speed signals are received. SLEEP MODE--PRESS BUTTON appears on the display.

Pressing any button or moving the handlebars reactivates/wakes up the MC 2.0.

8. Terms of guarantee

VDO Cycle Parts offers a 3-year guarantee on your VDO computer, starting from date of purchase. This guarantee covers material and processing defects on the computer itself, the sensor/transmitter and the handlebar bracket. Cables, batteries and mounting materials are not covered by the guarantee. The guarantee is only valid if the affected components have not been opened (exception: computer's battery compartment), no force has been used and there is no sign of wilful damage.

Please store the purchase receipt in a safe place as it must be submitted in the event of a complaint.

If your complaint is legitimate, you will receive a comparable replacement device. You are not entitled to a replacement of the identical model if the model in question is no longer in production due to a model change. Please contact the dealer from whom you purchased the device for all complaints and guarantee claims.

Alternatively, send your complaint directly to:

Cycle Parts GmbH

Le Quartier Hornbach 13
67433 Neustadt/Weinstrasse (Germany)

If you have any technical questions, please do not hesitate to call our hotline during standard office hours on:

+49 (0) 63 21-95 82 7 - 10

+49 (0) 63 21-95 82 7 - 18

Additional technical information is available at:
www.vdocyclecomputing.com

We reserve the right to make technical changes in the course of further development.

9. Troubleshooting

Error	Possible cause	Correction
Half segments on the display (e.g. after a battery change)	Computer software not running correctly after battery change	Take out the battery, wait a few seconds, place battery back again
No speed displayed	Distance from sensor to magnet too great	Correct the sensor and magnet positions
No speed displayed	Computer not properly clicked into the handlebar bracket	Place the computer head in the handlebar bracket and twist it until it clicks
No speed displayed	Wheel circumference is not correctly set or is at zero	Set the wheel circumference
No speed displayed	Battery in the transmitter is dead	Replace the battery in the transmitter
No speed displayed	Speed transmitter has not been paired	Insert the computer into the handlebar bracket, speed indicator flashes, now turn the front wheel, transmitter is paired, speed is displayed
Speed doubled	Magnet is incorrectly positioned	Correct the position of the magnet on the spoke
Display becomes weak	Battery dead	Check the battery, replace if nec.
Display becomes weak	Temperatures under 5° make the display sluggish	At normal temperatures the display will work normally again
Incorrect altitude displayed (current altitude incorrect)	Air pressure has changed but the current altitude has not been recalibrated in line with the new air pressure	Recalibrate the current altitude

Error	Possible cause	Correction
No heart rate displayed	Heart rate sensor has not been selected.	Select the heart rate sensor from the sensor selection area
No heart rate displayed	Heart rate sensor has not been paired	Select the heart rate sensor, correctly position the heart rate chest belt on your body. Insert the computer into the handlebar bracket, heart rate symbol flashes to indicate pairing
No heart rate displayed	Battery in the heart rate chest belt is dead	Replace the battery in the heart rate chest belt
No cadence displayed	Cadence sensor has not been selected.	Select the cadence sensor from the sensor selection area
No cadence displayed	Cadence sensor has not been paired	Select the cadence sensor. Insert the computer into the handlebar bracket, cadence symbol flashes to indicate pairing
No cadence displayed	Battery in the cadence chest belt is dead	Replace the battery in the cadence chest belt
No cadence displayed	Magnet incorrectly positioned	Correct the magnet position
No cadence displayed	Magnet positioned too far from the transmitter	Move the magnet or the transmitter to reduce the distance
Cadence display doubled	Magnet incorrectly positioned	Correct the magnet position

10. Technical specifications

Computer:

Approx. 54 H x 49 W x 15 D mm, weight: approx. 45 g

Handlebar bracket:

Weight: approx. 10 g

Speed/cadence transmitter:

Weight: approx. 20 g

Heart rate transmitter:

Weight: approx. 50 g

Computer battery:

3V, type 2032

Computer battery service life:

400 ride hours, approx. 8,000 km (5000 m)

Speed transmitter battery:

3V, type 2032

Speed transmitter battery service life:

1000 ride hours, approx. 20,000 km (12,000 m)

Cadence transmitter battery service life:

1000 ride hours, approx. 20,000 km (12,000 m)

Heart rate transmitter battery service life:

1000 ride hours, approx. 20,000 km (12,000 m)

Display operating temperature:

-10°C to +60°C (14 °F to 140 °F)

Speed range:

For wheel size 2155 mm,
min 2.0 km/h,
max 116 km/h

Ride time measurement range:

Up to 99:59:59 HH:MM:SS.

Stopwatch measurement range:

Up to 99:59:59 HH:MM:SS.

Trip distance odometer measurement range:

Up to value 999.99 km or mi

NAVIGATOR measurement range:

from -999.99 to +999.99 km or mi

Total distance 1 or total distance 2 measurement range:

Up to value 99,999 km or mi

Total distance ODO 1 + ODO 2 measurement range:

Up to value 199,999 km or mi

Heart rate measurement range:

40 to 240 bpm

Cadence measurement range:

20 to 180 rpm

Altitude measurement range:

-999 m to +4999 m (-999 to 16 400 feet)

Wheel circumference setting range:

From 100 mm to 3999 mm (3.9 to 157.4 inches)

FCC-Addendum

FCC ID: TFO 7701
7702
7704
7705
7706
Cycle Parts GmbH



NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the cycle computer head with the receiving antenna.
- Increase the separation between your equipment and the cycle computer head with the receiving antenna.
- Consult your bicycle dealer or an experienced radio/TV technician for help.

NOTICE: This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTICE: Warning: Changes or modifications made to this equipment not expressly approved by VDO Cycle Parts GmbH may void the FCC authorization to operate this equipment.

IC-Addendum

IC ID 5957A7704
Heart-rate transmitter CP7704
IC ID 5957A7705
Cadence transmitter CP7705
IC ID 5957A7706
Speed Transmitter CP7706

IC statement

This Class B digital apparatus complies with Canadian ICES 003. Cet appareil numerique de la classe B est conforme a la norme NMB 003 du Canada.

This device complies with Industry Canadian licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Februar 2012, Cycle Parts GmbH, Le Quartier Hornbach 13, D-67433 Neustadt/Weinstraße, Germany