Activation - Before starting

雙面印刷

Heart Rate Monitor Watch
Please remove the protective foil from the display when you use
the watch for the first time and press the A. C or D button (sound

signal), until all display segments appear for a short time. You automatically reach the setting mode. Choose between the metric and imperial with the C button. Confirm with the A button, the 24H blink,

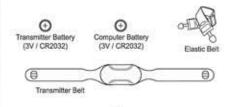
Setting the time in the time mode (also see TIME MODE) Choose between the 12h and 24h display with the C button. Confirm with the A button, the seconds blink. Press the C button to reset the seconds to zero. Confirm with the A button, the minutes blink.

Note: By pressing and holding the C button you can use the fast forward function in the settings.

 Set the minutes, hours, year, month, day, birthday, weight and height as described above. Now press the D button, all settings he heart rate monitor watch can be worn like a wristwatch

Note: By pressing and holding the A and C buttons in any time will turn the watch back to setting mode

Accessories



INTRODUCTION

WARNING: Always consult your physician before starting a fitness programme. A pulse computer is not a medical device. It is a training tool designed to measure and display your heart rate.

USE A PRECISE TRAINING METHOD

All the experts agree: the heart is the most important muscle in the body and, like all muscles, should be exercised regularly to remain strong and efficient. But how can determine whether you are exercising your heart both safely and effectively?

Fortunately, the heart itself provides you with key information that will help you to examine the effectiveness and the degree of safety of your training method. Your heart rate, which is expressed in a or your training memora. Four near rate, which is expressed in a single number (Beats Per Minute), gives a constant account of your body's state of health, Your heart rate will tell you how fast you are using energy or wether you are exercising too hard or to

Obviously, your body does not benefit from a training method if your heart rate is too low. If it is too high, you run the risk of injury and you will suffer from fatigue. It does not matter whether your goal is to win athletics meetings,

It does not matter whether your goal is to win athletics meetings, lose weight or simply to improve your overall health. What is important is that you can refine your training method by keeping your heart rate within a certain target zone. In order to accomplish this, you would obviously need to know your precise heart rate at any given moment throughout your training session. modern technology has now enabled us to present you with wireless electronic pulse computers, monitoring your heart rate with one of these computers is easy and fun to do.

KNOW YOUR LIMITS AND DETERMINE YOUR PERSONAL EXERCISE ZONE

Exercise zones are established by setting Upper and Lower Heart Rate Limits. These limits constitute a certain percentage of your Maximum Heart Rate (MHR).

You may already know your MHR if you are an avid athlete or if you have already taken a Max. Heart Rate test. If not, the following formular will help you to make an educated guess:

3-

EXERCISE ZONE (BPM)

-D 20 25 30 35 40 45 50 55 60 65

Zone 1 - Health (50% - 65% of the MHR)

Zone 2 - Fitness (65% - 80% of the MHR)
This exercise zone is used by athletes who wish to increase their strength and improve their endurance while burning a greater

Zone 3 - Performance (80% - 95% of the MHR)
This exercise zone is ideal for short and very intensive training sessions. Competitive athletes use this zone in order to build greater speed and explosive power. Exercising in this zone will create an "oxygen debt" and increase the degree of lactic acid in

FEATURES

necessary, you can consult the table on the gift box.

HEART RATE MONITOR

Maximum pulse alert Pulse zone training programs (health, fitness, performance and user-define)

 Zone timers (in zone, belowzone, above zone and total) Pulse out zone alert
 Highest pulse, lowest pulse, average pulse

CALORIE FUNCTIONS

Calories loss and fat burn during exercise
 Calculation of BMI

CHRONOGRAPH Count-down timer
 1/100 second 99 laps mutil-split stopwatch

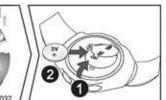
WATCH

Dual time clock Auto Calendar Clock alarm Hourly chime signal

OTHER SPECIFICATIONS EL backlight
Water resistant housing

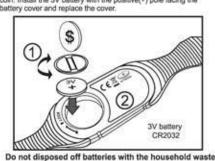
BATTERY INSTALLATION

Computer Watch Remove the back cover of the watch with a screwdriver, install the 3.0V-battery with the positive(+) pole facing up and replace the cover. Remove the battery and reinsert it if the LCD displays irregular figures. This will clear and restart the watch's



3V battery CR2032

(F)



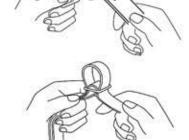
WEARING THE TRANSMITTER BELT

Adjust the elastic belt so that it fits tightly around your chest just

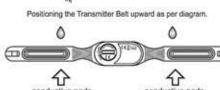
below the pectoral muscles. Moisten the transmitter's conductive

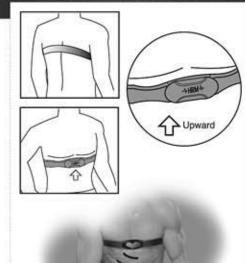
pads with saliva or ECG-gel (available at your local chemist's) in

act with the skin at all times



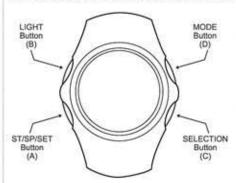
Positioning the Transmitter Belt upward as per diagram





Function Button/Modes/Settings

Function Buttons of the Heart rate monitor Watch



Main Function Mode

The Speed Master watch has three main function modes. which are described further in the next chapters:

Time Mode

The first mode displayed is the time mode. Press the D button to switch between the different modes. The different modes are described in sections TIME MODE, STOPWATCH MODE, HEART RATE MODE. TIME MODE

Press the **D** button until you reach the time mode, shown by "TIME".

By pressing the C button in the time mode, you can choose between the





In the time mode, the year is displayed in the upper segment of the display and the weekday and date in the lowe

Keep the A button pressed for about 3 seconds, "SETTING" appears on the display and 24H blinks. Choose between 12h and 24h display with the C button. Confirm your selwith the A button, the seconds blink.

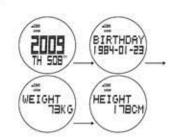


-10-

Press the C button to reset the seconds to zero. Confirm your selection with the A button, the minutes blink.

Note: You can use the fast forward function in the settings by pressing and holding the C button.

 Set the minutes with the C button. Confirm with the A button. Set the hours, year, month, day, birthday, weight and height as described above. Now press the D button, all settings are saved.



Keep the C button pressed for about 3 seconds, the heart rate monitor watch changes to the second time (T2 appears on the bottom right of the display). The setting of the second time works as described in section "setting the time". Now press the D button, all settings are

Keep the C button pressed for about 3 seconds to return to mal time (T1 appears on the bottom right of the

-11-

Note: Start the setting procedure again to correct any wrong

Press the C button in the time mode



Setting the Alarm

• Keep the A button pressed for about 3 seconds,

"SETTING" appears on the display and minutes blink.

Set the minutes with the C button, Confirm your selection with the A button, the hours blink.

• Set the hours with the C button.

Set the nours with the C button.
 Confirm with the A button, the month blinks.
 Set the month with the C button. Settings of 1, 2, 3,... 11, 12 and — are possible. If you choose —, the alarm sounds every month (on the set day - see the next section, "setting the day"). Confirm with the A button, the day blinks.

button, the day blinks. Set the day with the C button. Settings of 1, 2, 3, 30, 31 and — are possible. If you choose —, the alarm sounds every day. Confirm with the A button, the button CHIME (hourly alarm) blinks. ton CHIME (hourly alarm) blinks. can now set the hourly alarm to ON or OFF with the



Bell symbol . displayed = hourly alarm or Bell symbol not displayed = hourly alarm of

Now press the D button, all settings are saved and the set



Activate/Deactivate Alarm

Switch off Alarm



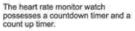
Press the A button when the alarm time is displayed. Alarm symbol *# is displayed = alarm on Alarm symbol not displayed = alarm off

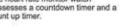
When the alarm rings, you can switch it off by pressing the A,

-13-

Countdown Timer Press the C button in time mode until

The heart rate monitor watch







Keep the A button pressed to set the countdown timer, "SETTING" appears.

Set the minutes with the C button, confirm with the A button.





r: The timer starts to count down the previously set time again after zero is reached.

U: The timer starts to count up from zero after zero is

S: The timer stops after zero is reached.

Confirm the entry with the D button.

 When the countdown timer reaches zero, an alarm sounds, which ends after about 15 seconds, or can be ended by pressing the A, C or D button

SO 1891N-CC-HRM-F77-GB-APA 09-Apr2014

SIZE: 441x 198mm

STOPWATCH MODE Press the D button until you reach the

stopwatch mode, shown by "CHRONO".

In stopwatch mode you can choose between the sub functions with the C button.

. CHRONO (stopwatch) and

DATA RECALL (view data)

Note: Switching between "stopwatch" and "data recall" only

Press the C button in the stopwatch mode until CHRONO is displayed.

works if at least 1 lap has been recorded

99 lap times can be saved. If the lap memory is full, the display MEMORY FULL appears.

Keep the A button pressed, "SETTING" appears, select zone

Press the A button when choosing the user defined training zone U, the lower limit blinks, set with the C button, confirm with the A button, upper limit blinks, set with the C button and confirm with the D button, the setting is completed.

EXE. ZONE 150130

1, 2, 3 or U with button C. Confirm the selection of 1, 2 or 3

with the **D** button. The setting is completed. The upper and lower limits are calculated automatically.

ZONE)



MEMORY

FUL 075368

EXE. ZONE

HIGH

To recall the stopwatch memory

STOPWATCH

Press A button to stop the stopwatch, then press

- C button to enter data recall mode.
- Display show the record of BEST LAP, the icon "BEST-LAP"

· Press A button to read different lap memories

Alarm symbol *** appears = Training zone alarm activated Alarm symbol disappears = Training zone alarm deactivated if the heart rate drops below the lower limit or it rises above the upper limit, the alarm sounds (if activated!)

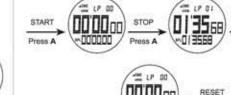
If your heart rate is at 99% of the calculated maximum heart rate or even exceeds it, a permanent audio warning sounds to call your attention. You can minimize the risk of overexertion. The alarm for the maximum heart rate is independent of

The audio warning automatically ends as soon as your heart

whether the training zone alarm is activated or not.

For your reference, you can following methods to take different

STANDARD MEASUREMENT : A-A-A







In the lower segment of the display calories, fat and BMI are

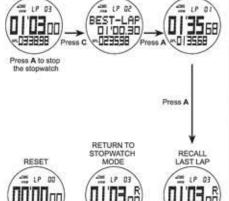
displayed (switch with the A button), in the middle the heart

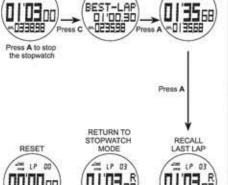
The metabolic rate in calories is measured automatically when the heart rate is received in the heart rate mode. The

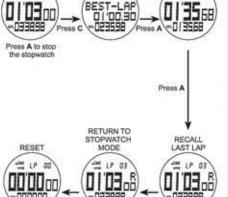
measured value is shown in the bottom line of the display (C:...). Press and hold the A button (shown by RESET) to

Press A RETURN TO STOPWATCH MODE LAST LAP Am LP 03

RECALL LAP MEMORY: C-A-A-.....A-C-A







Press the D button until you are in the heart rate mode, displayed by "HRM".

RECALL FIRST LAP



By pressing the C button in the heart rate mode. can choose between the sub functions Training time (TIMER)

Memory (MEMORY)

Training zone (ZONE)

Calories, fat and BMI (CALORIE)

Note: If the buttons are not pressed for about 5 minutes in the heart rate mode, the watch automatically changes to the time

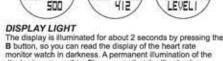


blinking and the last heart rate remains displayed. On the right of the current heart rate the % of the maximum heart rate is displayed. The maximum heart rate is calculated automatically by entering personal data such as age, weight,

when the chest belt is worn.

the display:
• Heart symbol, which moves from left to right (progress bar) Number on the left of the display: Heart rate at the time. when the countdown was started. Number on the right of the display: Current heart rate:





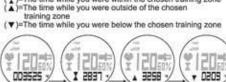
Training Time Press the C button in the heart rate mode until TIMER is



TIMER 003525+ The display of the training time is activated automatically when a heart rate signal is received. The training time shows the total time you have worn the chest belt and the heart rate was received by the heart rate monitor watch, even if you switch to another mode from the heart rate mode.

If you press the A button shortly, you can choose between the

following displays: TIMER= The total training time The time while you were within the chosen training zone



Press and hold the A button (shown by RESET), to reset the training time to zero.

Why is the displayed covered distance incorrect?

running. A shuming gait, bad shoes and varying surri-lead to inaccurate measurements. A lower distance is measured when climbing steps, because the watch is designed for even surfaces. Choose the used during

the measurements of untrained persons can be

The chest belt is not positioned correctly.

Have you performed a calibration? For optimum results the calibration has to be performed for "walking" as well as

calibration speed when walking or running. Please note that

Why does the heart rate monitor watch not display the heart rate?
Please check the chest belt. Possible causes of error are:

ning". A shuffling gait, bad shoes and varying surface can to inaccurate measurements. A lower distance is

TROUBLESHOOTING

The skin is too cold or dry.



¥ 12050

-21-

and reinserted, the personal data has to be entered again.

 Signals from other chest belts in the surrounding of less than 2 metres can be the cause of incorrect values.

The sensor contacts are not moistened or are dirty.

monitor watch and a wireless bicycle computer, because the signals from the transmitter of the bicycle computer can interfere with the heart rate monitor watch.

Signals from other chest belts in the surrounding of less

Check if the chest belt fits tightly to the chest. Also check the battery We advise against the simultaneous use of the heart rate

EXE.

-22-

雙面印刷

Press A button to start / stop the stopwatch.
Press C button to record the lap memory when the stopwatch is counting. If the stopwatch saves over 99 laps, it will display FULL.

To reset the stopwatch, press and hold A button to

Lap memories = 1001 = LP 00 E LP 99 MEMORY FULL 013568 075368 ~01356B

Keep the C button pressed with the display of the upper and

Alarm when exceeding the maximum heart rate.

On the right of the current heart rate the % of the maximum heart rate is displayed.

rate drops below 99% of your maximum heart rate

Calories, Fat and BMI Press the C button in the heart rate mode until CALORIE is

Calories (CALORIE appears)

Fat (FAT BURN appears)

As soon as the heart rate signal is received in the heart rate



552

Note: It is necessary to enter the correct date of birth and weight to receive a meaningful value of calorie consumption and fat burning.

Note: The body fat function is only active, if the training

-18-BMI (Body Mass Index) BMI normal value (kg/m2) 19-24 19 - 24 ***** 25-34 20 - 25 35-44 21 - 26 45-54 22 - 27

55-64

> 64 24 - 29

approximate values of the BMI

23 - 28

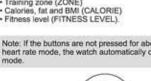
The BMI (Body Mass Index) is a measured value for the evaluation of the body weight of humans. The BMI only gives a rough guidance level. The BMI is calculated by dividing the body weight in kg by the body size in metres squared. The heart rate monitor watch automatically calculates the BMI from the entered data. Press the C button in the heart rate mode until FITNESS LEVEL is displayed. Press the A button immediately after the training (with applied chest belt) to start a 5 minute countdown. After the countdown

(recovery phase) the heart rate and the fitness level are

The BMI (Body Mass Index) is a measured value for the

Heart rate after 5 min Level of Fitness 130-120 Level 5 120-110 Level 4 Level 3 110-105 105-100 Level 2 Level 1 < 100

HEART RATE MODE



the middle segment of the display, Otherwise "0" is displayed The heart symbol blinks when the heart rate is received from the chest belt. If no signal is received, the heart symbol stops

Attention: All the sub functions described below only work

During the countdown you can see the following indicators on

150 A15

display is not possible. Please note that the illumination

LEVEL

consumes more power, which reduces the lifespan of the mobile phones, airplanes etc.

• Weak battery in the chest belt - please change.

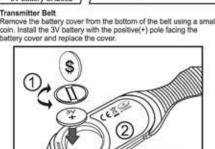
• Distance to the chest belt is too large (max. 60 cm).

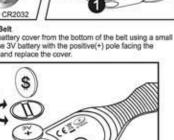
The display of the heart rate is incorrect, why?
• Perhaps the sensor contacts of the chest belt are not

than 2 metres can be the cause of incorrect values.

-23-



















For all three types of timers applies:

• Press A button - Timer starts

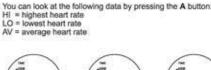
• Press A button again - Timer stops

• Press A button again - Timer continuous

• Keep A pressed for about 3 seconds when the time is stopped - timer resets to the originally set time.

Press the C button in the heart rate mode until MEMORY is The saved heart rate data is shown in the lower segment of

chest belt is worn.



the display, the current heart rate in the middle, as long as the

Press and hold the A button (shown by RESET), to reset the

Training Zones Press the C button in the heart rate mode until ZONE is The lower and upper limits of your training zone are shown in the lower segment of the display, the heart rate in the middle and the chosen zone (1, 2, 3 or U) at the top.

The display is weak, hardly readable, what can I do?
Replace the battery as soon as the display weakens or when it fades totally. Always pay attention to the polarity when inserting a new battery. When the battery has been removed and represented the present data.

Why does the display light not work?
Perhaps the battery is empty? Please check the battery and replace it if it is empty (3 V / CR2032). Note the +/- pole

Art no: HRM-F77-GB-APA