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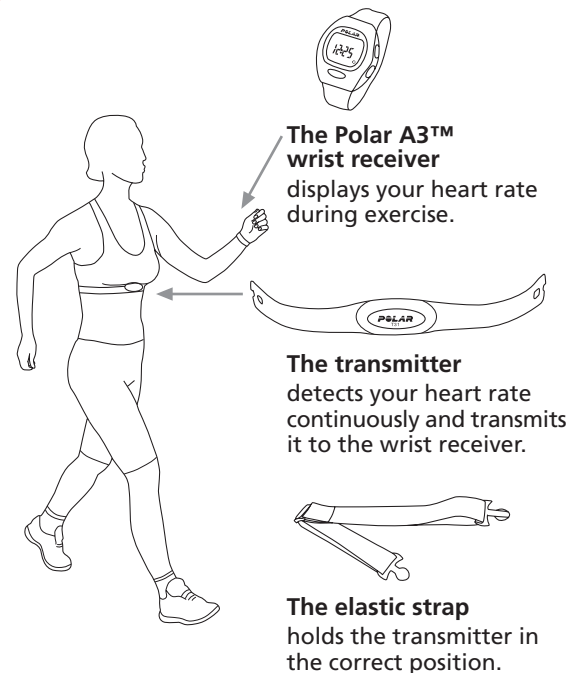
Heart Rate Monitor

User's Manual
USA/GBR

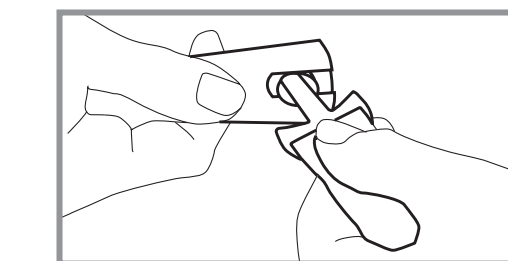
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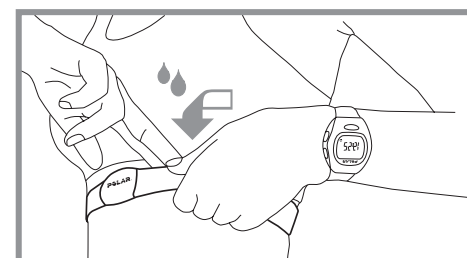
1. How to Put Your Heart Rate Monitor On



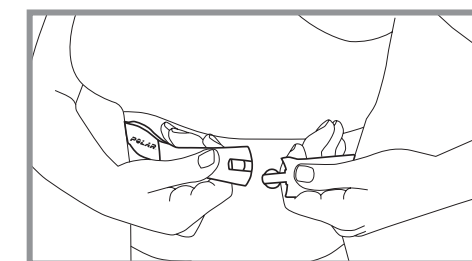
Keep the wrist receiver within 1 meter/ 3 feet of your transmitter. Check that you are not near other people with heart rate monitors or any source of electromagnetic disturbance.



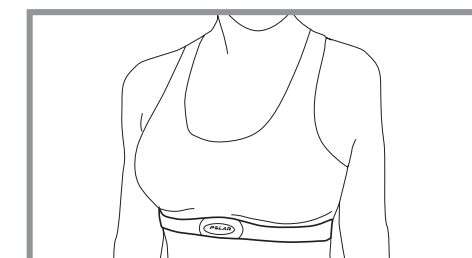
1. Attach the transmitter to the elastic strap.



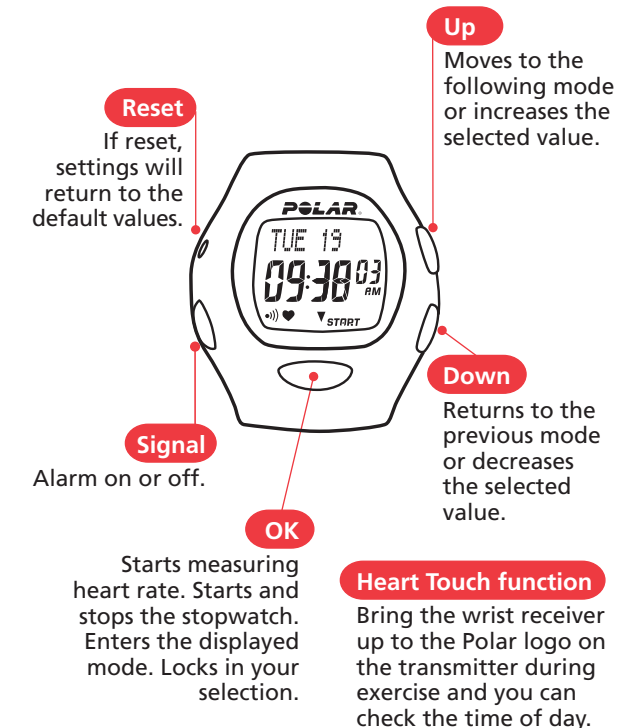
3. Lift the transmitter off your chest and **moisten the two grooved electrode areas** on the back.



2. Adjust the strap length to fit snugly and comfortably. Secure the strap around your chest, just below the chest muscles, and buckle it.



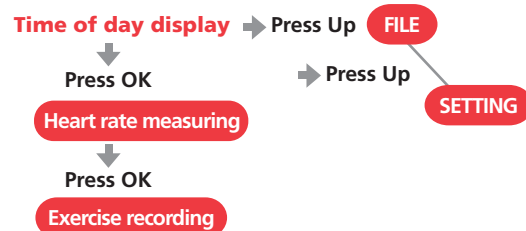
4. Check that the wet electrode areas are firmly against your skin and the Polar logo is in a central, upright position.



2. Functions and Modes of Polar A3

How to operate the set buttons

- To move forward or back, use Up or Down button.
- To choose the value to begin adjusting, press OK. It will begin blinking.
- Press Up or Down button to adjust the value (The digits run faster if you press and hold the button).
- Wherever you are in the settings, you can return to the Time of day display by pressing and holding OK.



Time of day display mode

- Starting point for all functions
- Shows date and time

Press and hold OK to return to the Time of day display, wherever you are in the Settings or File recalling cycle.

When the alarm is turned on, the symbol appears on the Time of day display. When the alarm comes on it will sound for one minute or you can turn it off by pressing any of the four buttons.

Exercise recording mode

- In the Exercise mode you measure your heart rate and record your exercise information in a file
- You can view different information while the heart rate monitor is measuring heart rate

File mode

- Shows the data recorded during the exercise

Setting mode

- Set different values
 - 12h or 24h time mode
 - birthday
 - target heart rate limits
 - watch functions; alarm, time, date

3. How to Start and Stop

How to Set up Your New Receiver

1. Press any of the four buttons twice to activate the receiver. TIME is displayed. 12h is flashing.
2. Once awakened, the receiver will guide you through the necessary settings. Scroll up or down to set the right values. Press OK to lock your selection.

Set the following:
12h or 24h time mode
Time of day
Date
Birthday

After setting your birthday, your target heart rate zone based on your age is automatically calculated.

After the settings are complete, the receiver automatically goes to the Time of day display.

You can cancel the setting by pressing and holding OK, but you can not start measuring the heart rate before you have completed the settings.

How to Start

1. In the Time of day display press OK. Your heart rate appears in a few seconds.
2. Press OK again. The stopwatch starts running and you can start exercising. The exercise data will only be stored if you have turned the stopwatch on.



How to Stop

1. Press OK to stop the stopwatch. QUIT and paused stopwatch appear. Measurement is paused. Exercise is no longer recorded.
2. Press Up or Down button to exit the Exercise mode.



The receiver shows the Time of day display within 5 minutes if you forget to quit the heart rate measurement mode when you stopped the stopwatch and removed the transmitter from your chest.

4. Functions During Exercise

1. Press Signal button to turn the zone alarm sound on or off.
2. Check the time of day by bringing the wrist receiver up to the Polar logo on the transmitter.
3. Scroll up to select what values you want to view in the upper row of the display during exercise.

1. Heart rate in the target zone is displayed
 - a) as absolute heart rate
 - or
 - b) as a % of maximum heart rateaccording to your lower row selection.

2. Fitness bullets
For every 10 minutes in TZ, a # appears.

4. Scroll down to select what you want to view in the lower row of the display.

1. Heart rate in beats per minute.

2. Heart rate as a % of your maximum heart rate.

3. Exercise time

4. Time of day

5. You can pause the stopwatch by pressing OK. Repeating OK will restart the stopwatch.

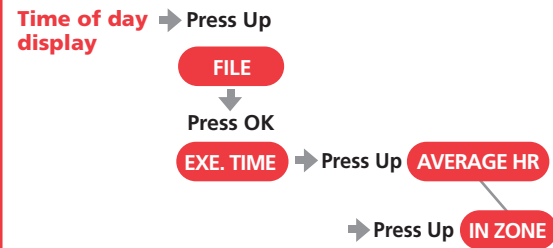
After restart you will see the heart rate in the lower row.

5. After Exercising

- Carefully wash the transmitter with a mild soap and water solution.
- Rinse it with pure water.
- Dry the transmitter carefully with a soft towel.
- Keep the wrist receiver clean and wipe off any moisture.
- Store the heart rate monitor in a clean and dry place. Dirt impairs the elasticity and functioning of the transmitter. Sweat and moisture can keep the electrodes wet and the transmitter activated, which shortens battery life.

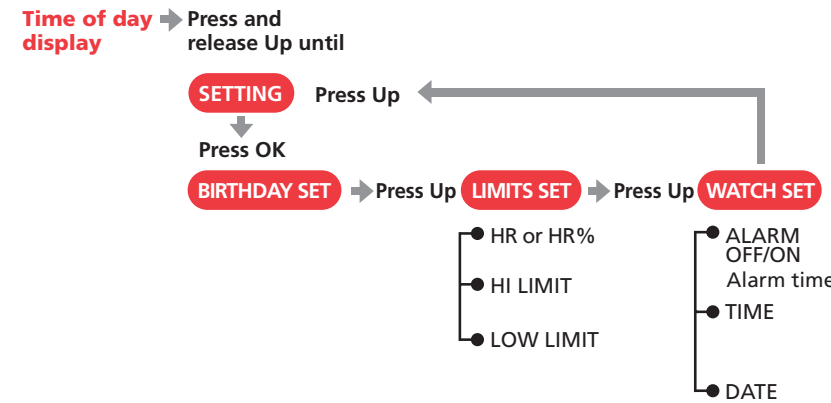
The combined impact of moisture and intense abrasion may cause a black color to come off the transmitter's surface, which might stain light-colored clothes.

6. How to Recall File Stored in Memory



- While in the Time of day display mode press Up or Down until FILE is displayed.
- Press OK.
- Scroll up or down to recall the exercise information:
EXE. TIME Total exercise time
AVERAGE HR Average heart rate of the exercise
IN ZONE Time spent in target zone

7. Settings



Settings step by step

- BIRTHDAY – setting your date of birth**
 - Start from the Time of day display
 - Press Up or Down until display changes to SETTING
 - Press OK, BIRTHDAY SET is displayed
 - Press OK again

- Use Up or Down button to select the correct month
 - Press OK
 - Use Up or Down button to select the correct day
 - Press OK
 - Use Up or Down button to select the correct year
 - Press OK, BIRTHDAY SET is displayed
- 24h time display sequence: DAY → MONTH → YEAR

2. LIMITS – setting target heart rate zone limits

- BIRTHDAY SET is displayed
- Press Up to advance, LIMITS SET is displayed
- Press OK
- With HR or HR% blinking use Up or Down to select whether you want to set the limits in beats per minute or as a percentage of a maximum heart rate
- Press OK to accept, HI LIMIT is displayed
- Use Up or Down button to determine the upper limit
- Press OK, LO LIMIT is displayed
- Use Up or Down button to determine the lower limit (the lower limit cannot be set above the upper limit)
- Press OK, LIMITS SET is displayed

3. WATCH – time and day determination

Alarm

- Use Up button to advance from LIMITS display to WATCH SET, press OK (or in the Time of day display press and hold Signal button → WATCH SET)
- ALARM ON or OFF blinks
- Select alarm on or off
- Press OK
- If you set the alarm on: set the alarm time
 - In 12 h time mode, select AM/PM, press OK
 - Hours blink on the display, use Up or Down button to select the correct hour, press OK
 - Minutes blink on the display, use Up or Down button to select the correct minutes
 - Press OK

Time

- TIME is displayed
- Press Up or Down button to select 12 h or 24 h time display
- Press OK
- In 12 h time mode, select AM/PM with Up or Down button, press OK
- TIME and blinking hours are displayed
- Use Up or Down button to select correct time, press OK
- TIME and blinking minutes are displayed
- Use Up or Down button to select correct time, press OK

Date

- MONTH and blinking month are displayed
- Use Up or Down button to select the correct month
- Press OK
- DAY and the blinking day of the month are displayed
- Use Up or Down button to select the correct day
- Press OK
- YEAR and the blinking number are displayed
- Use Up or Down button to select the correct year
- Press OK, press and hold OK to return to the Time of day display

24h time display sequence: DAY → MONTH → YEAR

8. Target Heart Rate Zone

Your target heart rate zone is a range between the lower and upper heart rate limits expressed as percentages of your maximum heart rate (HR_{max}).

When your heart beats at 50-60% of your HR_{max}, you're in the **light intensity** zone. This kind of exercise is easy; ex. daily activities and light chores. It delivers some health benefits.

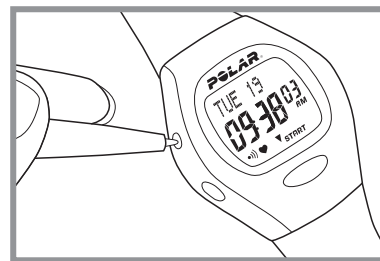
Push on to 60-70% of your HR_{max} and you're in the **light to moderate intensity** zone. This is good for improving health, fitness and for weight loss. It also improves endurance.

At 70-85% of your HR_{max}, you've moved into the **moderate to heavy intensity** zone. This is harder work, but effective for strengthening aerobic fitness and endurance especially for people exercising more regularly.

You can set your target limits in beats per minute or as percentages of your maximum heart rate. The percentage limits can not be set if you have not set your birthday.

When you set your birthday, the watch automatically calculates the limits, which are 65-85% of your estimated maximum heart rate (220 – age). For an accurate measure of your maximum and exercise heart rates, visit your doctor for an exercise stress test.

9. Resetting



Resetting clears the settings which return to the default values.

If there are no reactions to any buttons, reset the receiver.

- Press Reset button with a pen tip. Display becomes full of digits.
- Press any of the four buttons once. If you don't press any button after resetting, within one minute the wrist receiver goes to the battery saving mode. Wake up by pressing any of the buttons twice.

10. Minimizing Possible Risks in Exercising with Heart Rate Monitor

Exercise may include some risk, especially for those who have been sedentary.

Before starting a regular exercise program you are recommended to answer to the following questions for health status checking. If the answer is yes to any of the questions, we recommend to consult a doctor before starting an exercise program.

- Have you not exercised for the past 5 years?
- Do you have high blood pressure?
- Do you have high blood cholesterol?
- Do you have symptoms of any disease?
- Are you taking any blood pressure or heart medication?
- Do you have a history of breathing problems?
- Are you recovering from a serious illness or medical treatment?
- Do you use a pacemaker or another implanted electronic device?
- Do you smoke?
- Are you pregnant?

Note that in addition to exercise intensity, medications for heart, blood pressure, psyche, asthma, breathing etc. as well as some energy drinks, alcohol and nicotine, can affect heart rate.

It is important to be sensitive to your body's reactions during exercise. If you feel unexpected pain or excessive fatigue when exercising, it is recommended to stop the exercise or continue at a lighter intensity.

Notice to persons with pacemakers, defibrillator or other implanted electronic device. Persons who have a pacemaker use the Polar Heart Rate Monitor at their own risk. Before starting use, we always recommend an exercise test under doctor's supervision. The test is to ensure the safety and reliability of the simultaneous use of the pacemaker and the heart rate monitor.

If you are allergic to any substance that comes into contact with the skin or if you suspect an allergic reaction due to using the product, check the listed materials in the "Technical Specifications" chapter. To avoid any skin reaction risk with the transmitter, wear it over a shirt. However, moisten the shirt well under the electrodes to ensure flawless operation.

11. Technical Specifications

All Polar heart rate monitors are designed to indicate the level of physiological strain and intensity in sports and exercise. No other use is intended or implied. Heart rate is displayed as number of heartbeats per minute (bpm).

Transmitter

Battery type: Built-in Lithium Cell
 Battery life: Average 2500 hours of use
 Operating temperature: 14 °F to 122 °F / -10 °C to +50 °C
 Material: Polyurethane
 Waterproof

Elastic Strap

Buckle material: Polyurethane
 Fabric material: Nylon, polyester and natural rubber including a small amount of latex

Wrist Receiver

Battery type: CR 2032
 Battery life: Average 1 year (2h/day, 7 days/week)
 Operating temperature: 14 °F to 122 °F / -10 °C to +50 °C
 Water resistance: to 100 feet/30 meters, OK button can be pressed in water

Wrist strap: Polyurethane

Wrist strap buckle: Polyoxymethylene
 Back cover: Stainless steel complying with the EU Directive 94/27/EU and its amendment 1999/C 205/05 on the release of nickel from products intended to come into direct and prolonged contact with the skin.

Accuracy of heart rate measurement: ± 1% or ± 1 bpm, whichever larger, definition applies to steady state conditions

Default settings

Time of day12h
 Alarm clockOFF
 Zone alarmOn
 Age0
 Upper Limit160
 Lower Limit80

Limit values

Chronometer.....23 h 59 min 59 s
 Heart rate limits.....30 – 199 bpm
 Total time99 h 59 min 59 s
 Birthday year range.....1900 – 1999

12. Limited Polar International Guarantee

- This limited Polar international guarantee is issued by Polar Electro Inc. for the consumers who have purchased this product in the USA or Canada. This limited Polar international guarantee is issued by Polar Electro Oy for the consumers who have purchased this product in other countries.
- Polar Electro Inc. / Polar Electro Oy guarantees to the original consumer/ purchaser of this product that the product will be free from defects in material or workmanship for two years from the date of purchase.
- Please keep the receipt or International Guarantee Card, which is your proof of purchase!
- The guarantee does not cover the battery, damage due to misuse, abuse, accidents or non-compliance with the precautions; improper maintenance, commercial use, cracked or broken cases.
- Guarantee does not cover any damage/s, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the product. During the guarantee period the product will be either repaired or replaced at an authorized service center free of charge.
- This guarantee does not affect the consumer's statutory rights under applicable national or state laws in force, or the consumer's rights against the dealer arising from their sales/purchase contract.

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13. Disclaimer

- The material in this manual is for informational purposes only. The products it describes are subject to change without prior notice, due to the manufacturer's continuous development program.
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