

Citizen CA4420-13L

Citizen Eco-Drive CA4420-13L Watch User Manual

Model: CA4420-13L

INTRODUCTION

Thank you for choosing a Citizen Eco-Drive watch. This manual provides essential information for the proper use, care, and maintenance of your CA4420-13L model. Your watch is equipped with Citizen's innovative Eco-Drive technology, which converts any light source into electrical energy, eliminating the need for battery replacement.

The Eco-Drive system ensures continuous operation by storing energy in a rechargeable power cell. A full charge can power the watch for up to six months in complete darkness. This design reflects Citizen's commitment to environmental sustainability and convenience.



Image: Front view of the Citizen Eco-Drive CA4420-13L watch, showcasing its dark blue dial, silver-tone case, and brown leather strap. The watch features three sub-dials and a date window.

INITIAL SETUP AND CHARGING

Upon receiving your watch, it may be in a low power state. It is crucial to expose the watch to light for initial

charging.

Charging Guidelines:

- **Sunlight:** The most efficient charging method. Place the watch near a window, ensuring it is not exposed to extreme heat.
- **Fluorescent Light:** Can also charge the watch, but it will take significantly longer than sunlight.
- **Avoid Incandescent Lights:** These generate heat and are not efficient for charging.
- **Charging Time:** For a full charge from a completely depleted state, expose the watch to direct sunlight for approximately 11 hours, or to bright fluorescent light for about 40 hours.

Once fully charged, the watch will operate continuously as long as it receives regular exposure to light. If the watch stops, it indicates a low power reserve and requires charging.



Image: The watch's hands and hour markers illuminated in the dark, demonstrating its luminous capabilities for visibility in low-light conditions.

OPERATING INSTRUCTIONS

Your Citizen CA4420-13L is a chronograph watch with multiple functions. Refer to the image below for button

and crown identification.





Image: Side profile of the watch, highlighting the main crown (center) and the two chronograph pushers (top and bottom).

Setting the Time and Date:

1. **Pull the crown out to position 2:** The second hand will stop.
2. **Rotate the crown:** Turn the crown to set the hour and minute hands. Ensure the AM/PM is correctly set (the 24-hour sub-dial will indicate this).
3. **Push the crown back to position 0:** The second hand will resume movement, and the time setting is complete.
4. **Setting the Date:** Pull the crown out to position 1. Rotate the crown to adjust the date. Push the crown back to position 0 when done. Avoid setting the date between 9 PM and 1 AM, as this may interfere with the automatic date change mechanism.

Using the Chronograph:

The chronograph function allows you to measure elapsed time.

1. **Start/Stop:** Press the upper pusher (A) to start the chronograph. Press it again to stop.
2. **Reset:** While the chronograph is stopped, press the lower pusher (B) to reset all chronograph hands to their zero positions.
3. **Split Time:** Some chronographs allow for split time measurement. Consult the full digital manual (via QR code) for advanced chronograph features specific to Caliber B620.

MAINTENANCE AND CARE

Proper care will ensure the longevity and optimal performance of your Citizen Eco-Drive watch.

Charging and Power Reserve:

- **Regular Exposure to Light:** To maintain a full charge, ensure your watch is regularly exposed to light, even when not worn.
- **Avoid Overcharging:** The Eco-Drive system has an overcharge prevention function, so you cannot overcharge the watch.
- **Low Power Warning:** If the second hand starts moving in two-second intervals, it indicates a low power reserve. Charge the watch immediately.

Cleaning:

- **Watch Case and Crystal:** Wipe with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one.
- **Leather Strap:** Avoid prolonged exposure to water, direct sunlight, and harsh chemicals. Clean with a dry, soft cloth. If it gets wet, allow it to air dry naturally.

Water Resistance:

Your watch has a water resistance rating of 10 BAR (100 meters). This makes it suitable for everyday use, showering, and swimming. However, it is not suitable for diving. Always ensure the crown is pushed in completely before exposing the watch to water.



Image: Rear view of the watch, displaying the engraved case back with "CITIZEN WATCH CO. W.R. 10BAR" and "ECO-DRIVE" markings, along with the brown leather strap.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Watch has stopped or second hand moves in 2-second intervals.	Insufficient charge.	Expose the watch to bright light (preferably sunlight) for an extended period until fully charged.
Time is incorrect.	Time needs to be set or watch was in low power state.	Set the time manually as per "Setting the Time and Date" section. Ensure watch is sufficiently charged.
Date is incorrect.	Date needs to be adjusted (e.g., after months with fewer than 31 days).	Adjust the date manually using the crown.

Problem	Possible Cause	Solution
Chronograph hands are not resetting to zero.	Chronograph hands need calibration.	Refer to the full digital manual for chronograph zero position adjustment procedures (Caliber B620).

SPECIFICATIONS

Feature	Detail
Model Number	CA4420-13L
Movement	Eco-Drive (Caliber B620)
Power Source	Light-powered (rechargeable power cell)
Power Reserve	Approx. 6 months (from full charge in darkness)
Water Resistance	10 BAR (100 meters)
Case Material	Stainless Steel
Strap Material	Leather
Functions	Chronograph, Date Display, 24-hour sub-dial
Weight	84 grams
First Available Date	January 18, 2023

WARRANTY AND SUPPORT

Citizen watches are known for their quality and durability. For detailed warranty information specific to your region, please refer to the warranty card included with your purchase or visit the official Citizen website. As part of Citizen's environmental initiative, a printed user manual is not included. Instead, a QR code is provided with your watch for access to the comprehensive digital manual. This digital manual contains detailed instructions for all functions, including advanced chronograph operations and calibration procedures for Caliber B620.

For further assistance or service, please contact an authorized Citizen service center. You can find contact information on the official Citizen website or through the digital manual.



Image: The back of the watch packaging, displaying product information such as the model number (CA4420-13L) and UPC (4974374283788), along with manufacturer details.

For the full digital manual, scan the QR code provided with your watch or visit the Citizen website using the UPC:

[4974374283788](https://www.citizen.com/4974374283788)