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- › [BERNY](#) /
- › [BERNY E-Ink Digital Watch Model E-002 User Manual](#)

## BERNY E-002

# BERNY E-Ink Digital Watch Model E-002 User Manual

Your guide to setting up and using your BERNY E-Ink Digital Watch.

## 1. INTRODUCTION

The BERNY E-Ink Digital Watch Model E-002 combines modern E-Ink display technology with a classic design, offering clear readability and essential functions. This manual provides detailed instructions to help you maximize your watch's capabilities.





Figure 1: Front view of the BERNY E-Ink Digital Watch Model E-002.

### Key Features:

- **Multi-Function Capability:** Includes dual-time zone display, calendar, and a programmable alarm.
- **Ergonomic Design:** Curved rectangular case designed for wrist comfort.
- **Quick-Release Leather Strap:** Lightweight and comfortable, allowing for easy strap changes.
- **Water-Resistant Design:** 3ATM water resistance suitable for daily activities like handwashing and rain.



Figure 2: The E-Ink display offers a clear, easy-to-read screen.



Figure 3: The ergonomic, curved design ensures a comfortable fit on the wrist.

## 2. SETUP

### Initial Activation and Time/Date Setting

Upon first use or after a battery replacement, you may need to set the current time and date. The watch features two buttons: **(M) Mode** and **(S) Set**.



Figure 4: Display elements of the BERNY E-Ink Digital Watch.

1. **Enter Setting Mode:** In Timekeeping mode, press and hold the **(S) Set** button for approximately 3 seconds until a display element (e.g., hour) begins to flash.
2. **Select Item to Adjust:** Press the **(M) Mode** button repeatedly to cycle through the adjustable settings: Hour, Minute, Year, Month, Day, 12/24-hour format.
3. **Adjust Value:** While an item is flashing, press the **(S) Set** button to increase the value. Hold **(S) Set** to rapidly advance the value.
4. **Exit Setting Mode:** After adjusting all desired settings, press and hold the **(S) Set** button again for 3 seconds, or wait for approximately 10 seconds without pressing any button, and the watch will automatically return to Timekeeping mode.

## 3. OPERATING THE WATCH

### Mode Switching

The watch has three primary modes: Timekeeping, Dual Timer (T2), and Alarm. Press the **(M) Mode** button to cycle through these modes in sequence.



Figure 5: Overview of watch functions and mode switching.

### Dual Timer (T2)

The Dual Timer allows you to display a second time zone. To set the Dual Timer:

1. Press **(M) Mode** until 'T2' is displayed.
2. Press and hold **(S) Set** for 3 seconds until the hour flashes.
3. Press **(M) Mode** to select Hour or Minute.
4. Press **(S) Set** to adjust the value.
5. Press and hold **(S) Set** to exit.

### Alarm Function

To set the alarm:

1. Press **(M) Mode** until 'ALM' is displayed.
2. Press and hold **(S) Set** for 3 seconds until the hour flashes.
3. Press **(M) Mode** to select Hour or Minute.
4. Press **(S) Set** to adjust the value.
5. Press **(M) Mode** again to toggle the alarm ON/OFF. An alarm icon will appear when ON.
6. Press and hold **(S) Set** to exit.

### Display Background Options

The E-Ink display offers two visual modes: black text on a white background or white text on a black background. To switch between these display options, briefly press the **(S) Set** button while in Timekeeping mode (without holding it down to enter setting mode).



Choose white or  
black background

Figure 6: Choose between white or black display backgrounds.

## 4. MAINTENANCE

### Water Resistance

This watch is 3ATM water-resistant, meaning it can withstand splashes, rain, and brief immersion like handwashing. It is **not** suitable for showering, bathing, swimming, or diving. Do not press any buttons while the watch is wet or submerged.

### Battery Replacement

The watch uses two CR2032 batteries. When the display becomes dim or unresponsive, it may be time to replace the batteries. A spare battery is often included with the watch.

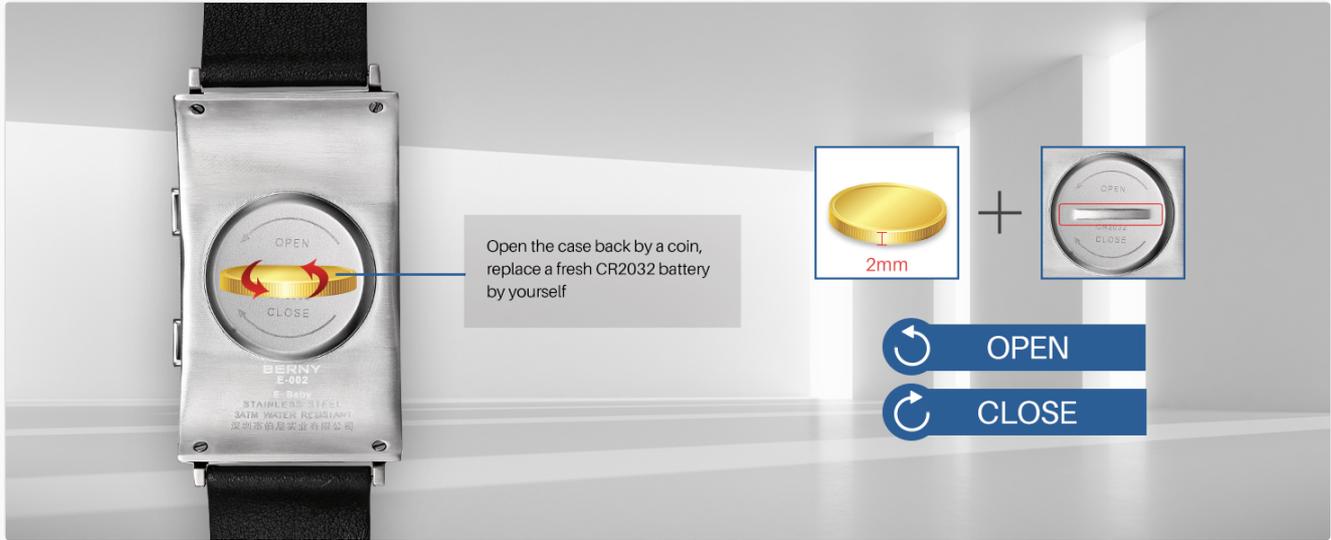


Figure 7: Instructions for replacing the CR2032 battery.

1. Locate the battery compartment cover on the back of the watch.
2. Use a coin (approximately 2mm thick) to turn the cover counter-clockwise to the 'OPEN' position.
3. Carefully remove the old batteries.
4. Insert new CR2032 batteries, ensuring correct polarity.
5. Place the cover back and turn it clockwise to the 'CLOSE' position, ensuring it is securely sealed.

## Strap Care

The watch features a quick-release leather strap for easy removal and replacement. To clean the leather strap, wipe it gently with a soft, damp cloth. Avoid prolonged exposure to direct sunlight or extreme moisture to preserve the leather's quality.

## 5. TROUBLESHOOTING

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### Screen Flashing

The E-Ink display technology requires a full screen refresh to update its content. This results in a brief, momentary flash or inversion of the display each minute when the time changes. This is a normal characteristic of E-Ink screens and not a malfunction.



Figure 8: The watch screen performs a brief flash each minute as part of its E-Ink display refresh cycle.

### Display Freezes or Becomes Unresponsive

If the watch display freezes or becomes unresponsive, the batteries may be low or depleted. Refer to the 'Battery Replacement' section for instructions on how to replace the CR2032 batteries.

## 6. SPECIFICATIONS

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Model : E002	Battery : CR2032
Case : Stainless Steel	Weight : 66g
Strap : Leather Strap	Buckle : Pin Buckle
Lens : Mineral Glass	Water Resistance : 30M

Figure 9: Dimensions and key specifications of the watch.

Feature	Detail
Model Number	E-002
Case Material	Stainless Steel
Strap Material	Leather Strap
Lens Material	Mineral Glass
Water Resistance	3ATM (30 meters)
Clasp Type	Buckle
Battery Type	2 x CR2032
Weight	66g

Feature	Detail
Package Dimensions	3.66 x 3.58 x 2.87 inches

## 7. WARRANTY AND SUPPORT

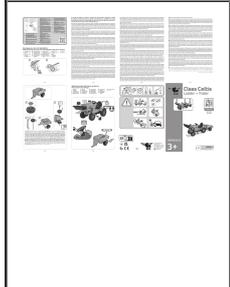
BERNY Watches is committed to delivering quality products and customer satisfaction. Should you have any inquiries or concerns about your BERNY E-Ink Digital Watch Model E-002, please contact our customer service team for assistance.

For support, please refer to the contact information provided with your purchase or visit the official BERNY website.

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### Related Documents - E-002

	<p><a href="#">Waveshare e-Paper Driver HAT User Manual: Connect SPI E-Paper Displays to Raspberry Pi, Arduino, STM32</a></p> <p>User manual for the Waveshare e-Paper Driver HAT, detailing its features, product parameters, interface specifications, and supported e-Paper models. Includes setup guides for Raspberry Pi, Arduino, and STM32 development boards.</p>
	<p><a href="#">Toshiba Printer/MFD Remote Setup: A4 Series 1 and 2 Paper Tray Configuration Guide</a></p> <p>This guide provides instructions for remotely configuring paper trays on Toshiba A4 Series 1 and 2 printers and Multi-Function Devices (MFDs). It covers common setup issues and offers solutions through both the device interface and web browser.</p>
	<p><a href="#">Waveshare 7.3inch e-Paper (E) User Manual - Specifications and Guide</a></p> <p>Comprehensive user manual for the Waveshare 7.3inch e-Paper (E) display module, detailing specifications, features, pin assignments, electrical and optical characteristics, and handling instructions.</p>

	<p><a href="#">Waveshare 4-inch e-Paper Display User Manual</a></p> <p>Comprehensive user manual for the Waveshare 4-inch e-Paper display module (EL040EF1), detailing its features, specifications, electrical characteristics, power sequences, optical properties, handling, safety, and reliability tests.</p>
	<p><a href="#">Toshiba e-STUDIO Multifunctional Systems: Quick Start Guide</a></p> <p>A quick start guide for Toshiba e-STUDIO multifunctional digital color and digital systems, covering basic operations like copying, scanning, faxing, and printing.</p>
	<p><a href="#">BIG-BOBBY-CAR Claas Celtis Loader + Trailer: Assembly, Safety, and Parts Guide</a></p> <p>Comprehensive guide for assembling and safely using the BIG-BOBBY-CAR with the Claas Celtis Loader + Trailer attachment. Includes spare parts list, safety warnings, and step-by-step assembly instructions.</p>

Documents - BERNY – E-002

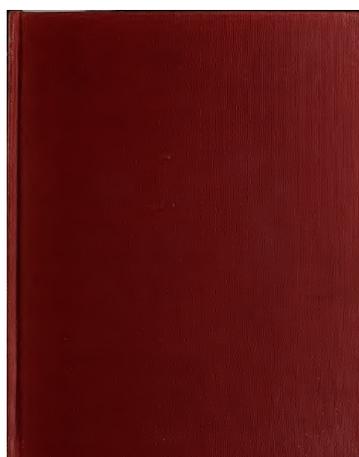
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