

## Vigorwise ATOMICWALLCLOC

# Vigorwise 14-Inch Atomic Analog Wall Clock Instruction Manual

Model: ATOMICWALLCLOC

## INTRODUCTION

Thank you for choosing the Vigorwise 14-Inch Atomic Analog Wall Clock. This clock is designed for precise timekeeping, automatically synchronizing with the WWVB radio signal broadcast by the US Government's National Institute of Standards and Technology (NIST) in Fort Collins, Colorado. Featuring a durable aluminum frame and a clear, easy-to-read dial, this clock provides accurate time without manual adjustments.



Image: Front view of the Vigorwise 14-Inch Atomic Analog Wall Clock, showcasing its white dial, black Arabic numerals, and silver aluminum frame.

## PACKAGE CONTENTS

- 1 x Vigorwise 14-Inch Atomic Analog Wall Clock
- 1 x Instruction Manual (this document)

**Note:** 1 x AA battery is required for operation and is not included in the package.

## SETUP INSTRUCTIONS

1. **Install Battery:** Open the battery compartment on the back of the clock. Insert one (1) AA battery, ensuring correct polarity (+/-).
2. **Select Time Zone:** Locate the time zone switch on the back of the clock. Select your desired time zone (PST, MST, CST, EST).
3. **Initial Synchronization:** After battery installation and time zone selection, the clock hands will automatically move to the 12 o'clock position and stop. The clock will then attempt to receive the WWVB atomic signal. This process can take several hours, especially if the signal is weak. For best results, allow the clock to synchronize overnight.

4. **Optimal Placement:** For reliable signal reception, hang the clock at least five feet (approximately 1.5 meters) away from electrical appliances such as induction cookers, microwaves, refrigerators, and televisions. These devices can interfere with the radio waves and affect the clock's accuracy.

## Easy to Use

1. Choose your time zone on the clock back.
2. Put the batteries in the battery compartment of the wall clock.
3. In most areas, it can receive the WWVB atomic signal and update the time automatically; if it doesn't receive the signal, please wait overnight and the time will be set in the morning.

## Time zones

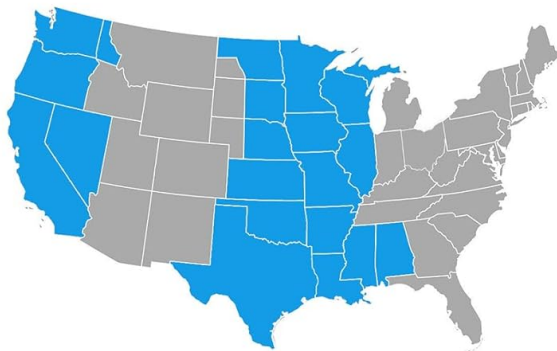


Image: A visual guide to the initial setup, illustrating battery insertion, time zone selection, and the automatic synchronization process with a map of US time zones.



Image: An atomic wall clock mounted on a wall, with concentric circles indicating the reception of a radio-controlled signal, emphasizing its automatic time-setting capability.

## OPERATING INSTRUCTIONS

The Vigorwise Atomic Analog Wall Clock is designed for minimal user interaction once set up. It automatically adjusts for accurate timekeeping.

### Automatic Time Synchronization

The clock will automatically attempt to receive and synchronize with the WWVB radio signal daily, typically at 12:00 AM (midnight). This ensures the clock always displays the correct time, including adjustments for Daylight Saving Time (if the DST switch is set to ON).

### Manual Adjustments and Buttons

The back of the clock features several buttons and switches for specific functions:

- **PMCE Switch (Time Zone):** Adjusts your time zone (PST, MST, CST, EST).
- **DST Switch (Daylight Saving Time):** Toggle ON or OFF to enable or disable automatic Daylight Saving Time adjustments.
- **REC Button (Re-acquire Signal):** Press and hold for 3 seconds to manually initiate a re-acquisition of the WWVB signal. This can be useful if the clock has lost synchronization.



- **RESET Button:** Press this button to reset the clock. The hands will move to the 12 o'clock position and stop, initiating a new synchronization attempt.
- **M.SET Button (Manual Minute Hand Adjustment):** After pressing the RESET button, you can advance the minute hand one minute at a time by pressing the M.SET button. This will cause the second hand to start ticking. After setting the minute hand, press the REC button for 3 seconds to attempt synchronization. The clock should synchronize within 6 hours.



Image: Detailed view of the control buttons and switches on the back of the clock, including PMCE, DST, REC, RESET, and M.SET, with their functions labeled.

## MAINTENANCE

- **Battery Replacement:** When the clock hands stop moving or the time becomes inaccurate, it is likely due to a low battery. Replace the AA battery with a fresh one. Follow the setup instructions for initial synchronization after battery replacement.
- **Cleaning:** To clean the clock, gently wipe the aluminum frame and glass face with a soft, dry cloth. Avoid using abrasive cleaners or chemical sprays, as these can damage the finish or internal components.
- **Environmental Conditions:** Ensure the clock is kept in a dry environment and avoid extreme temperatures to prolong its lifespan and maintain accuracy.

## TROUBLESHOOTING

- **Clock Not Setting Automatically:**
  - Ensure the battery is fresh and correctly installed.
  - Verify the time zone switch is set correctly.
  - Relocate the clock to an area with better signal reception, away from electronic devices (at least 5 feet).
  - Allow up to 6 hours for the clock to receive and process the WWVB signal, especially during initial setup or after a battery change. Signal reception is often stronger at night.
  - Press the REC button for 3 seconds to manually attempt signal re-acquisition.
- **Clock Losing Time or Displaying Incorrect Time:**
  - Replace the battery with a new AA battery.
  - Check for potential interference from nearby electronic appliances.
  - Perform a full reset by pressing the RESET button and allowing the clock to re-synchronize.
- **Hands Stuck or Not Moving:**
  - Check battery level and replace if necessary.
  - Ensure no physical obstruction is preventing the hands from moving.
  - Press the RESET button to restart the clock's internal mechanism.

## SPECIFICATIONS

Brand	Vigorwise
Model Number	ATOMICWALLCLOC
Display Type	Analog
Product Dimensions	14"W x 1.7"H (14 inches diameter, 1.7 inches depth)
Power Source	Battery Powered (1 x AA battery, not included)
Material	Aluminum Frame, Glass Face
Operation Mode	Atomic (Radio Controlled - WWVB)
Mounting Type	Wall Mount
Item Weight	2.01 pounds

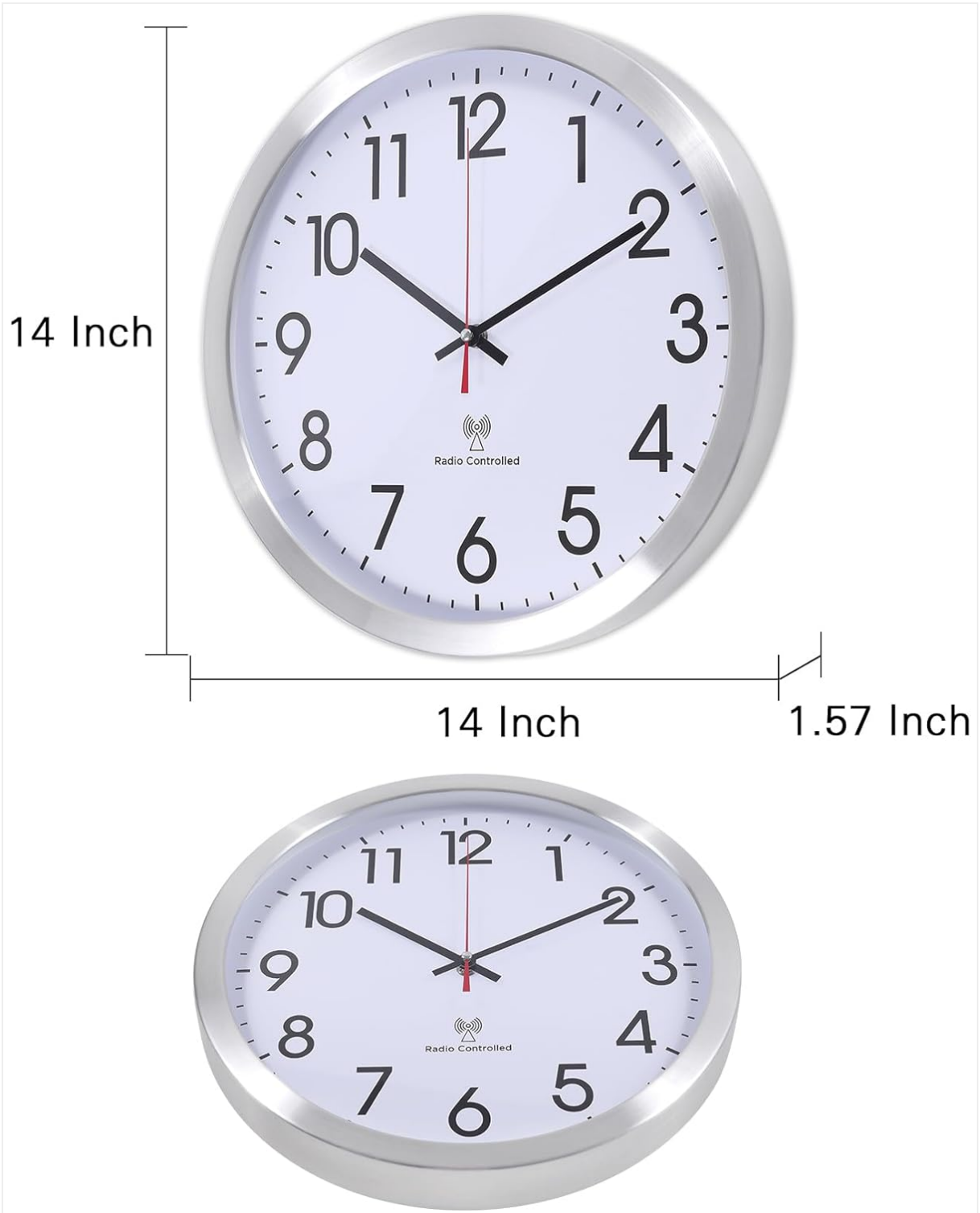


Image: A diagram illustrating the 14-inch diameter and 1.7-inch depth of the Vigorwise Atomic Analog Wall Clock.

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact Vigorwise customer service. Refer to your purchase documentation for specific warranty terms and contact details. You may also visit the official Vigorwise store on Amazon for additional product information and support resources.

**Vigorwise Store Link:** [Vigorwise Official Store](#)