La Crosse Technology Atomic Projection Alarm Clock

La Crosse Technology Atomic Projection Alarm Clock User Manual

Model: Atomic Projection Alarm Clock

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your La Crosse Technology Atomic Projection Alarm Clock. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product experience.

PACKAGE CONTENTS

- La Crosse Technology Atomic Projection Alarm Clock
- Power Adapter
- Remote Temperature Sensor
- User Manual (this document)

Note: 3 AAA batteries are required for backup but are not included.

PRODUCT OVERVIEW

The La Crosse Technology Atomic Projection Alarm Clock features an LCD display, atomic time synchronization, and a projection function to display time on a wall or ceiling. It also includes indoor and outdoor temperature readings.

Figure 1: Front view of the La Crosse Technology Atomic Projection Alarm Clock with its projection arm extended. The LCD displays time, day, and indoor/outdoor temperatures.

Key Components:

- **LCD Display:** Shows time, date, day of the week, indoor temperature, and outdoor temperature.
- **Projection Arm:** Projects the time onto a surface.
- **Alarm Button:** Activates and sets the alarm.
- **Calendar Button:** Accesses date and calendar settings.
- **Snooze/Light Button:** Temporarily silences the alarm and activates backlight.
- **Power Input:** For the included AC adapter.
- **Battery Compartment:** For backup batteries (3 AAA, not included).

SETUP

1. Powering the Clock

1. Insert 3 new AAA batteries (not included) into the battery compartment on the back of the clock. Ensure correct polarity (+/-). These batteries provide backup power during outages.
2. Connect the included power adapter to the clock's power input jack and then plug it into a standard electrical outlet. The LCD display will illuminate.

2. Initial Time Synchronization (Atomic Time)

Upon initial power-up, the clock will automatically attempt to synchronize with the WWVB atomic time signal. This process may take several minutes to several hours, depending on your location and signal strength. Look for the atomic signal icon on the display to confirm successful synchronization.

- For best reception, place the clock near a window, away from electronic devices that may cause interference.
- If the signal is not received, the time can be set manually (refer to the "Operating Instructions" section).

3. Remote Temperature Sensor Setup

Figure 2: The alarm clock on a desk, with a remote temperature sensor visible mounted on a wall outside a door, indicating its outdoor placement.

1. Install 2 fresh AAA batteries (not included) into the remote temperature sensor.
2. Place the remote sensor outdoors in a shaded, dry location, protected from direct sunlight and precipitation. Ensure it is within range of the main clock unit (typically up to 300 feet line of sight).
3. The main clock unit should automatically detect and display the outdoor temperature. If not, press and hold the "CHANNEL" button (if available, or a similar button) on the main unit to initiate a search for the sensor.

4. Projection Setup

Figure 3: The alarm clock projecting the time "12:34" in red digits onto a wall, demonstrating its projection feature.

- Adjust the projection arm to point towards your desired surface (wall or ceiling).
- Rotate the focus ring on the projection lens to sharpen the projected image.
- The projection can be rotated 180 degrees by pressing the projection rotation button (if available, or by physically rotating the lens).

OPERATING INSTRUCTIONS

1. Setting Time and Date Manually

If atomic time synchronization is not desired or unavailable:

1. Press and hold the "CALENDAR" button for 3 seconds to enter time setting mode.
2. Use the "+" or "-" buttons (often shared with other functions) to adjust the flashing value (e.g., hour, minute, year, month, day).
3. Press "CALENDAR" again to confirm the setting and move to the next value.
4. Repeat until all settings are complete.

2. Setting the Alarm

1. Press and hold the "ALARM" button for 3 seconds. The alarm time will flash.
2. Use the "+" or "-" buttons to adjust the hour.
3. Press "ALARM" to confirm the hour and move to minutes.
4. Use the "+" or "-" buttons to adjust the minutes.
5. Press "ALARM" to confirm and exit alarm setting mode.
6. To activate/deactivate the alarm, press the "ALARM" button once. An alarm icon will appear/disappear on the display.

3. Snooze and Backlight Function

Figure 4: Top view of the alarm clock, highlighting the "SNOOZE | LIGHT" button for temporary alarm silencing and display illumination.

- When the alarm sounds, press the "SNOOZE | LIGHT" button to activate the snooze function. The alarm will sound again after approximately 10 minutes.
- Pressing the "SNOOZE | LIGHT" button at any other time will illuminate the display backlight for a few seconds.
- To stop the alarm completely, press any other button (e.g., "ALARM" or "CALENDAR").

4. Display Brightness (Auto Dim)

The clock features an auto-dim function (indicated by "AUTO DIM" on the display) which adjusts the display brightness based on ambient light conditions. This feature is typically automatic and cannot be manually adjusted.

5. Temperature Display

The clock displays both indoor and outdoor temperatures. The outdoor temperature is received from the remote sensor. You may be able to switch between Celsius and Fahrenheit by pressing a dedicated button (often labeled "C/F" or shared with another function).

MAINTENANCE

- **Cleaning:** Wipe the clock and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in the main unit (for backup) and the remote sensor annually, or when the low

battery indicator appears on the display.

- **Placement:** Avoid placing the clock in direct sunlight, near heat sources, or in areas with high humidity.

TROUBLESHOOTING

Problem	Solution
No display or dim display	Ensure the power adapter is securely plugged in. Check backup batteries. Adjust ambient light if auto-dim is active.
Atomic time not synchronizing	Move the clock closer to a window. Ensure it is away from electronic interference. Allow up to 24 hours for synchronization. Manually set the time if necessary.
Outdoor temperature not displayed	Check batteries in the remote sensor. Ensure the sensor is within range and not obstructed. Re-sync the sensor by pressing the "CHANNEL" button on the main unit.
Projection is blurry	Rotate the focus ring on the projection lens to sharpen the image. Ensure the projection distance is appropriate.
Alarm not sounding	Ensure the alarm is activated (alarm icon visible on display). Verify the alarm time is set correctly.

SPECIFICATIONS

- **Brand:** La Crosse Technology
- **Model:** Atomic Projection Alarm Clock
- **Color:** Silver
- **Display Type:** LCD (Digital)
- **Power Source:** Corded Electric (Plug-in) with 3 AAA battery backup (not included)
- **Clock Face Dimensions:** Approximately 2.5 inches (Length) x 2.5 inches (Width)
- **Display Dimension:** 5.83 inches (Length)
- **Item Weight:** 10.4 ounces (0.65 Pounds)
- **Material:** Plastic
- **Special Features:** Atomic Time, Projection, Alarm, Date Display, Multiple Time Zones, Indoor/Outdoor Temperature
- **Number of Alarms:** 1 (Buzzer type)
- **Indoor/Outdoor Usage:** Indoor (main unit), Outdoor (remote sensor)
- **UPC:** 757456076638
- **ASIN:** B0D931JMFK

WARRANTY INFORMATION

This La Crosse Technology product comes with a **1-year Limited Parts and Labor Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage caused by misuse, accident, unauthorized modifications, or improper installation.
Please retain your proof of purchase for warranty claims.
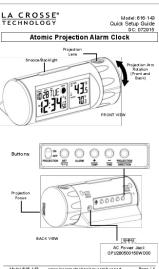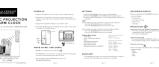
SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please visit the official La Crosse Technology website or contact their customer service department.

Related Documents - Atomic Projection Alarm Clock

	La Crosse Technology 616-143 Atomic Projection Alarm Clock Quick Setup Guide Comprehensive quick setup guide for the La Crosse Technology 616-143 Atomic Projection Alarm Clock. Learn how to install batteries, set time and date, configure alarms, understand projection features, and position the outdoor sensor for optimal performance.
	La Crosse Technology 616-146A Atomic Projection Alarm User Manual This instruction manual provides detailed information on the La Crosse Technology 616-146A Atomic Projection Alarm, including features, setup, operation, specifications, and warranty.
	La Crosse Technology 616-146v4 Atomic Projection Alarm Clock Setup Guide Comprehensive setup guide for the La Crosse Technology 616-146v4 Atomic Projection Alarm Clock, detailing power-up, time setting, alarm functions, and troubleshooting for indoor/outdoor temperature monitoring.
	La Crosse Technology WT-5220U-ITV2 Atomic Projection Alarm Clock User Manual User manual for the La Crosse Technology WT-5220U-ITV2 Atomic Projection Alarm Clock with indoor and outdoor temperature. Learn about setup, settings, features, specifications, and maintenance.
	La Crosse Technology Atomic Projection Clock 616-1410B/616-41667 Setup Guide This setup guide provides instructions for the La Crosse Technology Atomic Projection Clock (models 616-1410B and 616-41667). It covers power up, atomic time synchronization, settings menu configuration, backlight and auto-dim features, projection options, alarm setup, snooze function, temperature trend interpretation, troubleshooting outdoor temperature readings, and care/maintenance. Includes specifications, warranty information, and FCC/Canada compliance statements.
	La Crosse 617-249v2 1.8" LED Atomic Clock: User Manual & Features Get detailed instructions and specifications for the La Crosse 617-249v2 Atomic Curve LED Alarm Clock. Learn about power-up, atomic time signal, alarm settings, USB charging, and maintenance.