

Sharp SPC5028AMZ

Sharp Digital Alarm Clock User Manual

Model: SPC5028AMZ

INTRODUCTION

Thank you for choosing the Sharp Digital Alarm Clock. This manual provides detailed instructions for setting up, operating, and maintaining your new alarm clock. Designed for clarity and convenience, this clock features an easy-to-read LCD display with an optional always-on backlight, dual alarm settings, and a USB charging port for your devices. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.



Front view of the Sharp Digital Alarm Clock, displaying time, month, date, day, and temperature on its colorful LCD screen.

SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the unit or personal injury:

- Do not expose the unit to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the unit to strong impacts.
- Do not mix old and new batteries, or different types of batteries.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Keep the unit away from water and other liquids.
- Do not attempt to disassemble or repair the unit yourself. Refer all servicing to qualified personnel.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Sharp Digital Alarm Clock (Model SPC5028AMZ)
- User Manual (this document)

Note: 3 x AAA batteries are required and not included.

PRODUCT OVERVIEW

Front Display

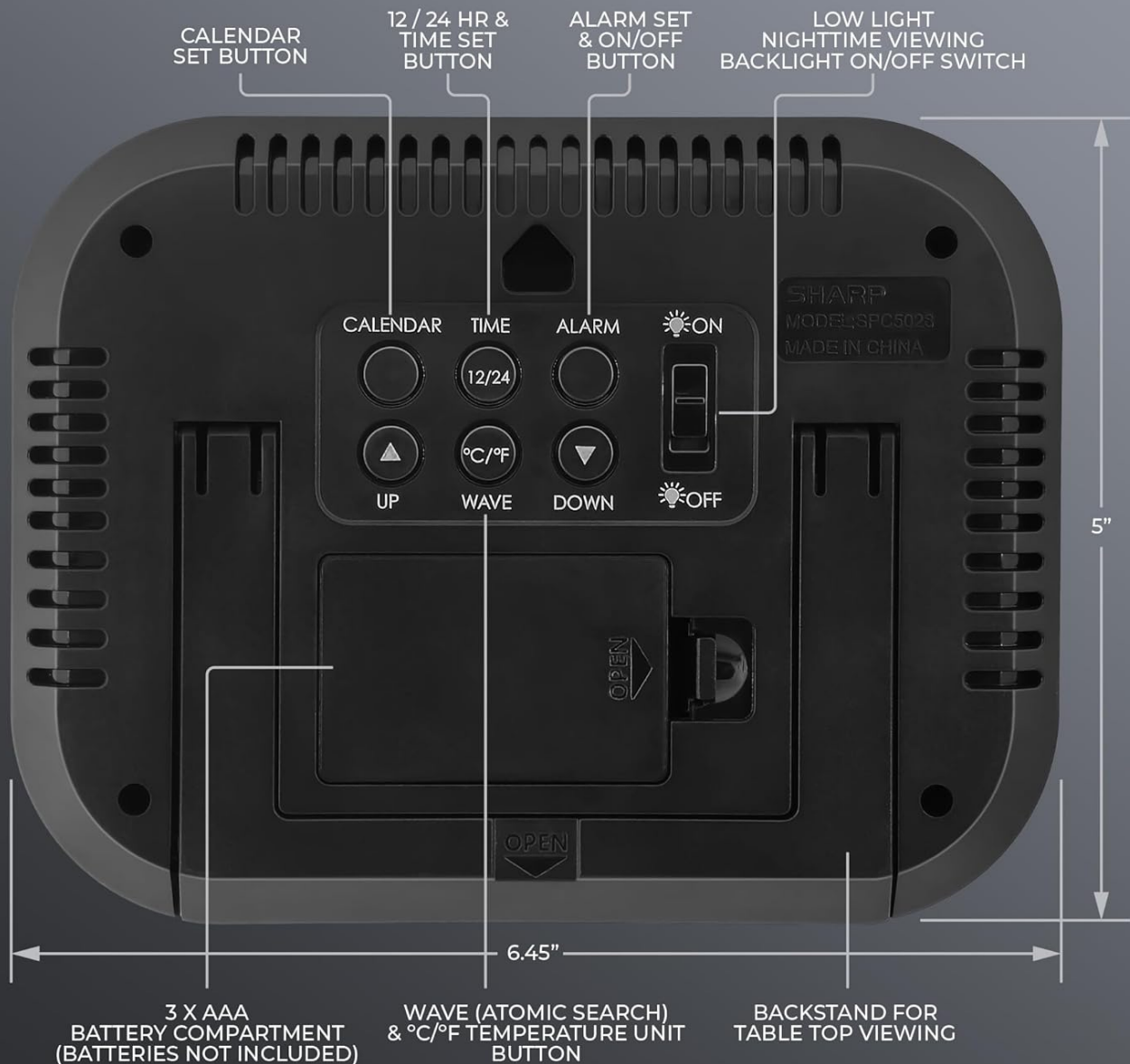


Diagram illustrating key features of the alarm clock, including atomic accuracy, 1.5-inch tall time display, on/off display nightlight, indoor temperature display, calendar display, bright color display, wall mountable or tabletop viewing, and battery operation (3x AAA batteries).

The front of the clock features a clear LCD display that shows the time, month, date, day of the week, and indoor temperature. The main time display is approximately 1.5 inches tall for easy readability.

Rear Panel and Controls

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Detailed view of the clock's rear panel, showing the location of the battery compartment, various control buttons (Calendar, Time, Alarm, 12/24, Up, °C/°F, Down, Wave), the ON/OFF switch for the nightlight, and the backstand for tabletop viewing. Dimensions (6.45"W x 5"H) are also indicated.

- **CALENDAR Set Button:** Used to set the date and year.
- **TIME Set Button:** Used to set the time manually.
- **ALARM Set & ON/OFF Button:** Used to set and activate/deactivate alarms.
- **12/24 Button:** Toggles between 12-hour and 24-hour time formats.
- **UP Button:** Adjusts settings upwards.
- **°C/°F Button:** Toggles temperature display between Celsius and Fahrenheit.
- **DOWN Button:** Adjusts settings downwards.
- **WAVE (Atomic Search) Button:** Initiates a manual search for the atomic time signal.
- **ON/OFF Switch (Nightlight):** Controls the always-on backlight feature.
- **Battery Compartment:** Holds 3 x AAA batteries.
- **Backstand:** For tabletop viewing.

- **Wall Mount Hole:** For hanging the clock on a wall.

SETUP

Battery Installation

1. Open the battery compartment cover on the rear of the clock.
2. Insert 3 new AAA batteries, ensuring correct polarity (+ and -).
3. Close the battery compartment cover securely.

Initial Power On

Upon battery installation, the clock will power on and attempt to synchronize with the atomic time signal.

Atomic Time Synchronization (WWVB)

The Sharp Digital Alarm Clock is designed to automatically synchronize with the WWVB atomic time signal broadcast from Fort Collins, Colorado, ensuring precise timekeeping.



Map of the United States showing the WWVB radio broadcast signal originating from Fort Collins, Colorado, which the atomic clock uses for synchronization.

- The clock will automatically attempt to receive the signal daily, typically overnight when electronic interference is minimal.
- For optimal reception, place the clock near a window and orient its front or rear panel towards Fort Collins, Colorado.
- A signal strength indicator (antenna icon) on the display will show the reception status.
- To manually initiate a signal search, press the **WAVE** button on the rear panel.



Graphic depicting a full moon, with text 'LESS ELECTRONIC INTERFERENCE AT NIGHT SET BY MORNING', indicating optimal atomic clock synchronization occurs during nighttime hours.

Setting Time Zone

Even with atomic synchronization, you must manually select your local time zone for the correct hourly time display.

1. Press and hold the **TIME** button until the time zone indicator flashes.
2. Use the **UP** or **DOWN** buttons to select your desired time zone (e.g., PST, MST, CST, EST).
3. Press the **TIME** button again to confirm and exit.

Manual Time and Date Setting

If atomic synchronization is not desired or available, you can set the time and date manually.

1. **To set time:** Press and hold the **TIME** button until the hour flashes. Use **UP/DOWN** to adjust. Press **TIME** to move to minutes, then adjust. Press **TIME** again to save.
2. **To set date:** Press and hold the **CALENDAR** button until the year flashes. Use **UP/DOWN** to adjust. Press **CALENDAR** to move to month, then day, adjusting each. Press **CALENDAR** again to save.
3. **12/24 Hour Format:** Press the **12/24** button to switch between 12-hour (with AM/PM indicator) and 24-hour formats.

OPERATING INSTRUCTIONS

Adjusting Display Brightness and Backlight

The clock features an optional always-on backlight with adjustable brightness for optimal viewing in various lighting conditions.

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Display Nightlight



ON

OFF

Comparison image showing the clock's display with the nightlight off (dim) and on (illuminated) in both day and night settings.

- **Always-On Backlight:** Use the **ON/OFF switch** on the rear panel to activate or deactivate the continuous backlight. When ON, the display will have a soft glow.
- **On-Demand Backlight:** Even if the always-on backlight is OFF, you can momentarily illuminate the display by pressing the **BACKLIGHT** button (usually located on the top edge, though not explicitly labeled in the provided image, it's a common feature). This provides a brighter illumination for a few seconds.

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Display Nightlight

Turn the display nightlight switch **ON** for a dim soft glowing backlight for viewing the time in the dark



**For the best viewing angle,
use the built-in kickstand to position the clock to face you**

Image highlighting the physical ON/OFF switch on the rear of the clock for controlling the display nightlight, indicating its function for soft glowing backlight in the dark.

Setting Dual Alarms

The clock supports two independent alarm settings.

1. Press the **ALARM** button once to select Alarm 1. Press again for Alarm 2.
2. While the alarm time is displayed, press and hold the **ALARM** button until the hour flashes.
3. Use the **UP** or **DOWN** buttons to adjust the hour. Press **ALARM** to move to minutes, then adjust.
4. Press **ALARM** again to save the alarm time.
5. To activate/deactivate an alarm, press the **ALARM** button repeatedly until the alarm icon (bell) appears/disappears for the desired alarm.

Using the USB Charging Port

The clock includes a USB charging port for convenient charging of small electronic devices. Locate the USB port on the side or rear of the unit (specific location not detailed in provided images, but implied by feature bullets). Connect your

device's USB cable to this port to begin charging.

Temperature Display (°C/°F)

The clock displays the indoor temperature. To switch between Celsius and Fahrenheit, press the°C/°F button on the rear panel.

Viewing Angle Optimization

Like most LCD screens, this display is best viewed from the front or slightly above. Visibility may appear reduced at sharp side or low angles. For the best viewing experience, use the built-in kickstand to position the clock to face you.



Illustration demonstrating the optimal viewing angle for the LCD display, showing that the clock is best viewed from above or straight on, with a built-in kickstand to position it.

Wall Mounting and Tabletop Use

The clock is designed for versatile placement. Use the integrated backstand for tabletop viewing or the wall mount hole on the rear for hanging it on a wall.



The Sharp Digital Alarm Clock displayed in a home office setting, showing its versatility for both wall mounting and tabletop placement.

MAINTENANCE

Cleaning

Wipe the clock with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface.

Battery Replacement

When the display becomes dim or the clock stops functioning, it's time to replace the batteries. Follow the battery installation steps in the Setup section. It is recommended to replace all three AAA batteries at the same time with new ones.

TROUBLESHOOTING

Problem	Possible Solution
Display is dim or blank.	Check battery polarity and ensure batteries are fresh. Replace all 3 AAA batteries. Ensure the backlight ON/OFF switch is in the 'ON' position if continuous illumination is desired.
Atomic time not synchronizing.	Ensure the clock is placed near a window and oriented towards Fort Collins, Colorado. Avoid placing near electronic devices that may cause interference. Try initiating a manual search by pressing the WAVE button. Synchronization is often best overnight.
Time or date is incorrect after battery change.	Manually set the time zone. Allow time for atomic synchronization, or manually set the time and date using the TIME and CALENDAR buttons.
Display is hard to read from certain angles.	This is a characteristic of LCD technology. Adjust the clock's position using the kickstand to ensure it is viewed straight-on or from slightly above eye level.
Alarm does not sound.	Ensure the alarm is set and activated (bell icon visible). Check battery level.

SPECIFICATIONS

Property	Value
Brand	Sharp
Model Number	SPC5028AMZ
Display Type	LCD
Color	Black
Product Dimensions	6.45"W x 5"H
Item Weight	10.8 ounces (0.31 Kilograms)
Power Source	Battery Powered (3 x AAA, not included)
Operation Mode	Atomic
Special Features	Cordless, Dual Alarm, USB Charging Port, Indoor Temperature Display, Always-On Backlight
Mounting Type	Wall Mount, Tabletop
Frame Material	Plastic

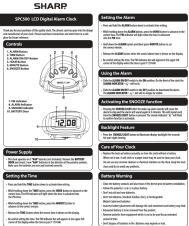

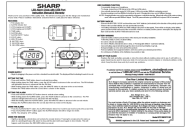

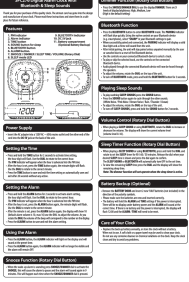

WARRANTY AND SUPPORT

Sharp products are manufactured to the highest quality standards. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Sharp website. Keep your purchase receipt as proof of purchase for warranty claims.



Sharp Time Solutions

Related Documents - SPC5028AMZ

	<p>SHARP SPC500 LCD Digital Alarm Clock User Manual and Instructions</p> <p>Official user manual and instructions for the SHARP SPC500 LCD Digital Alarm Clock. Learn how to set the time, set the alarm, use the snooze and backlight features, and understand power supply and battery warnings. Includes FCC information.</p>
	<p>SHARP SPC483/SPC222 LCD Digital Alarm Clock User Manual</p> <p>User manual providing instructions for setting up and operating the SHARP SPC483 and SPC222 LCD Digital Alarm Clocks, including features, power, care, and FCC compliance.</p>
	<p>SHARP SPC189/SPC193 LED Alarm Clock with USB Port: Instruction Manual & Warranty</p> <p>Official instruction manual and warranty information for the SHARP SPC189 and SPC193 LED Alarm Clock with USB charging ports. Learn how to set time, alarm, use snooze, USB charging, and safety precautions.</p>
	<p>SPC268 Sunrise Alarm Clock with USB Port: Instruction Manual & Warranty</p> <p>Official instruction manual and warranty information for the SHARP SPC268 Sunrise Alarm Clock with USB Port. Learn how to set the clock, alarms, use the sunrise and color-changing lights, and understand safety precautions.</p>
	<p>SHARP SPC276 Digital Alarm Clock with Bluetooth & Sleep Sounds User Manual</p> <p>Comprehensive user manual for the SHARP SPC276 Digital Alarm Clock, detailing features like Bluetooth connectivity, sleep sounds, alarm functions, dimmer, and sleep timer. Includes setup, operation, safety instructions, and warranty information.</p>
	<p>SHARP SPC543 Projection Alarm Clock with USB Port - Instruction Manual</p> <p>Official instruction manual and warranty information for the SHARP SPC543 Projection Alarm Clock with USB Port. Learn how to set the clock, alarm, date, use the projection feature, and understand safety instructions.</p>

