

# SHARP®

## SPC932 Atomic Clock

### Instruction Manual & Warranty

Thank you for your purchase of this quality clock. The utmost care has gone into the design and manufacture of your clock. Please read these instructions and store them in a safe place for future reference.

The clock has a built in receiver that automatically synchronizes itself with the WWVB radio signal broadcast by the US Government's National Institute of Standards & Technology (NIST) in Fort Collins, Colorado. The WWVB radio signal daily broadcast ensures that the atomic clock will always display the most accurate date and time.

The Atomic Clock will always be accurate to within one second as it receives daily WWVB updates. Daylight Saving Time also automatically updates so there is no need to re-set the clock manually!

#### FEATURES

- LCD Display with on Demand Blue Backlight
- Atomic Radio Control with WWVB Signal
- Time, Month, Date, Day, Temperature Display
- 12/24 Hour Selecting Format
- Alarm and 5 Minute Snooze
- Four Step Ascending Alarm Volume
- Wall Mountable or Pull out Backstand for Table Use
- Indoor Temperature Display, °C/°F Selection
- Daylight Savings Time (DST)
- Time Zone Selection: AST=Atlantic, EST=Eastern, CST=Central, MST=Mountain, PST=Pacific, AKT=Alaska, HAT=Hawaiian
- Requires 3 x AAA batteries (not supplied)



#### QUICK START GUIDE

1. Insert batteries into clock.
2. Time Zone will flash, press the **UP/DOWN** button to select your time zone and press **TIME** to confirm.
3. Daylight Savings Time (DST) will flash, press the **UP/DOWN** button to select **ON/OFF** and press **TIME** to confirm. Turn ON unless you live in parts of Indiana or Arizona where DST is not applicable.
4. Now you can either set the time and calendar manually OR wait until the clock receives the atomic signal. The signal is usually received by morning the next day but it will begin looking for the signal immediately. During the day there is a lot of interference and that is why the signal is often received overnight. Once the clock receives the atomic signal and all of the clock settings are in place, the time and date will be automatically updated.

#### POWER SUPPLY

- This clock operates on three “AAA” batteries (not supplied). Remove the **BATTERY DOOR** at the back of the clock and insert three new “AAA” batteries in the direction of the polarity symbols. Please make sure the batteries are new and inserted correctly.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc) batteries.

#### ATOMIC CLOCK TIME

- The atomic clock will be activated and search for the WWVB radio signal. On the clock's display the atomic signal indicator “📶” will flash. If the clock successfully receives the signal, the atomic signal indicator “📶” will stop flashing and remain steady on the display.
- **If the clock fails to synchronize in the first attempt, the signal is usually received by morning the next day.** During the day there is a lot of interference and that is why the signal is often received overnight. Once the clock receives the atomic signal and all of the clock settings are in place, the time and date will be automatically updated.
- Press and hold the **°C/°F/ WAVE** button for 2 seconds if you need to attempt immediate signal synchronization.
- If you'd like to set the clock manually, press **°C/°F/ WAVE** button to stop the synchronization, the atomic signal indicator “📶” will no longer be shown on the display.

#### TO SET THE DATE & TIME MANUALLY

- Press and hold the **DATE** button for 2 seconds to activate **CALENDAR** setting. The setting flow is “**YEAR > MONTH > DATE > DAY**”
- When the year “**2019**” flashes, press the **UP/DOWN** button to advance to the correct year.
- Press the **DATE** button to confirm.
- When the **MONTH** flashes, press the **UP/DOWN** button to advance to the correct month.
- Press the **DATE** button to confirm.
- When the **DATE** flashes, press the **UP/DOWN** button to advance to the correct date.
- Press the **DATE** button to confirm.
- The **DAY** of the week is automatically calculated and displayed.
- Press and hold the **TIME** button down for 2 seconds to activate **TIME** setting. The setting flow is “**TIME ZONE > DST(ON/OFF) > HOUR > MINUTE**”.
- When **TIME ZONE** flashes, press the **UP/DOWN** button to advance to the correct Time Zone.
- Press the **TIME** button to confirm.
- When **DST** (Daylight Savings Time) flashes, press the **UP/DOWN** button to select **DST ON/OFF** status.
- Press the **TIME** button to confirm.
- When the **HOUR** flashes, press the **UP/DOWN** button to advance to the correct hour.
- Press the **TIME** button to confirm.
- When the **MINUTE** flashes, press the **UP/DOWN** button to advance to the correct minute.
- Press the **TIME** button to confirm.
- When the clock is set successfully and DST is turned on, the **DST** indicator will be shown on the clock's display when it's Daylight Saving Time.

#### TO SET THE ALARM TIME

- Press and hold the **ALARM** button down for 2 seconds to activate **ALARM** setting.
- When the **HOUR** flashes, press the **UP/DOWN** button to advance to the correct hour.
- Press the **ALARM** button to confirm.
- When the **MINUTE** flashes, press the **UP/DOWN** button to advance to the correct minute.
- Press the **ALARM** button to confirm and exit setting.

#### USING THE ALARM

- Press the **ALARM** button, on the front of the clock the alarm time will display.
- Press the **ALARM** button, when the alarm indicator shows “🔊 ON” the alarm is on.
- Press the **ALARM** button, when the alarm indicator shows “🔊 OFF” the alarm is off.
- The alarm will sound for one minute at the programmed time.

#### SELECTING CELSIUS(°C)/ FAHRENHEIT(°F)

- Press “**°C/°F/ WAVE**” button to alternate between °C and °F for the indoor temperature display.

#### USING THE INDOOR TEMPERATURE

- When Indoor temperatures drop below 15.8°F the temperature display will read “**LO**” and flash. When indoor temperatures are above +122°F, the temperature display will read “**HI**” and flash.

#### USING THE SNOOZE FEATURE

- Pressing the **SNOOZE/LIGHT** button after the alarm sounds will cause the alarm to pause and sound again in 5 minutes. This will be repeat each time the **SNOOZE/LIGHT** button is pressed. The snooze indicator “Zz” will flash to confirm function is activated.

#### USING THE BACKLIGHT FEATURE

- Press the **SNOOZE/LIGHT** button to illuminate the display backlight five seconds for night viewing.

#### 12/24 HOUR FEATURE

- Press the **TIME** button to select **12/24** hour format. If the time is 12 hour format, the PM indicator will be shown when the hour is advanced into the PM time.

	<b>FLASHING</b> Searching for atomic signal		<b>STEADY</b> Atomic signal found		<b>NOT SHOWN</b> Stopped searching for atomic signal
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## SUGGESTION

Make sure you read the instructions before operating this clock. We have developed this sophisticated instrument for best reception performance; however, the signal transmitted from USA Atomic Clock transmitter will be affected in certain situations. We advise you to note the following instructions:

1. It is strongly recommended to start this clock at night and let the clock receive the signal automatically past midnight.
2. Always place the unit away from interfering sources such as TV set, computer, etc.
3. Avoid placing the unit on or next to metal plates.
4. Areas with access to windows is recommended for better reception.
5. Do not start reception in moving articles such as vehicles or trains.



## MAINTENANCE

- The batteries should be replaced if the display or alarm becomes weak or dysfunctional. Store the clock without batteries when not in use. A soft cloth or a paper towel may be used to clean your clock. Do not use any corrosive cleaner or chemical solution on the clock. Keep the clock clean and dry to avoid problems.

## BATTERY PRECAUTIONS

- Do not use rechargeable batteries
- Non-rechargeable batteries are not to be recharged
- Only batteries of the same or equivalent type as recommended to be used
- Batteries are to be inserted with the correct polarity
- Exhausted batteries are to be removed from the product
- The supply terminals are not to be short-circuited
- Do not dispose of batteries in fire;
- Batteries may explode or leak.
- Adult assembly required to replace and remove batteries.

## FCC INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If customer service is needed, please email [custserv\\_clocks@mzb.com](mailto:custserv_clocks@mzb.com)

or call toll free at **1-800-221-0131** and ask for **Customer Service**.

Monday-Friday 9:00AM - 4:00 PM EST

## One Year Limited Warranty

M.Z. Berger & Company warrants the original consumer purchaser of this product that it shall be free of defects in materials and workmanship for one year from the purchase date of this product. Defects caused by tampering, improper use, unauthorized modifications or repairs, immersion in water or abuse are not covered by this warranty. If a defect covered by this warranty occurs during the warranty period, wrap your clock carefully and send it to the following address:

M.Z.Berger & Co., Inc  
353 Lexington Ave - 14th Fl.  
New York, NY 10016

You must include a Proof of Purchase, either the original receipt or a photocopy and a check or money order for USD \$6.00 to cover the cost of handling. Also include your return address inside the package. M.Z. Berger will repair or replace the clock and return it to you. M.Z. Berger will not be liable for any loss or damage, including incidental or consequential damages of any kind; from any breach of warranty either expressed or implied relating to the product. Since some states do not allow the exclusion or limitation of incidental or consequential damages, this limitation may not apply to you.

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Model SPC932

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