SHARP®

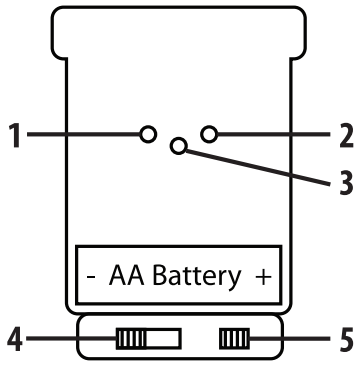
SPC876 Atomic Wall Clock

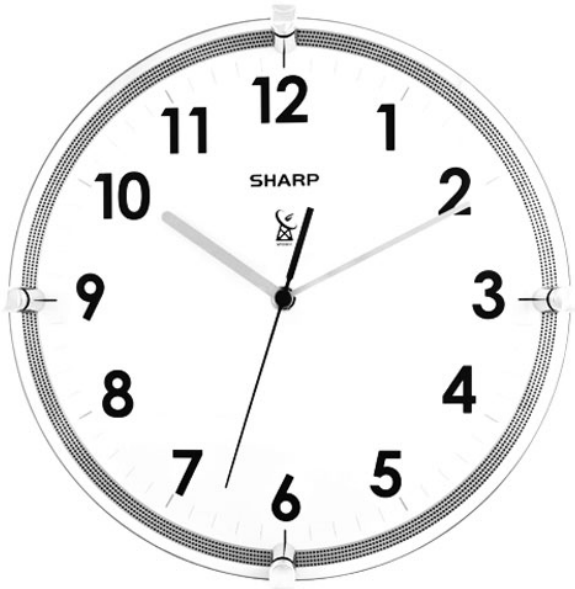
Thank you for your purchase of this quality clock. The utmost care has gone into the design and manufacture of your clock. Please read these instructions and store them in a safe place for future reference.

Features & Controls

1. **SET Button**
2. **WAVE Button**
3. **RESET Button**
4. **TIME ZONE Switch**
5. **DST ON/OFF Switch (Daylight Savings Time)**

Control Panel (Back of Clock)





Quick Start Notes

- Start this clock at night and let the clock receive the atomic signal automatically after midnight.
- Always place the unit away from interfering source such as TV set, computer, metal objects & electrical appliances.
- Areas with access to windows are recommended for better reception.

Daylight Savings Time (DST)

- Enable the Daylight Savings Time Auto Adjust feature by moving the DST switch to "ON". If you are in a time zone that does not follow DST, make sure you set the DST mode to "OFF". The Daylight Savings Time feature is disabled when the switch is set to "OFF".

Time Zone Setting

- On the back control panel: Set the clock to your time zone by moving the indicator arrow to appropriate zone:
  P (Pacific Time), M (Mountain Time), C (Central Time), E (Eastern Time)

Initial Set-Up

- Insert one AA alkaline battery into the battery holder. This will activate the atomic radio reception mode & the second, minute and hour hands will automatically reset to the 12:00 position. Once the hands are in the 12:00 position, the movement will start searching for the radio signal. The search procedure takes approximately 3 to 10 minutes after all hands have set to the 12:00 position. If a signal is found within the first 3 to 10 minutes, the clock will set to the correct time. If the clock does not receive a radio signal soon after activated, the clock will start running from the 12:00 position and will continue to run. In this case, do not attempt to reset the hands manually even though the time displayed on the clock is incorrect. The clock is synchronizing to the WWVB signal and once the radio signal is decoded, the hands will automatically adjust to the correct time.

Reception

- Please note this clock automatically synchronizes itself to the US Government's National Institute of Standards and Technology in Fort Collins, Colorado. The WWVB radio signal daily broadcast ensures that the atomic clock will always display the most accurate time.
- In most areas, a signal can only be received at night. If your clock does not receive the WWVB signal immediately, just wait overnight and it will be set in the morning.

Signal Interference

- In some cases, the signal can be affected by weather conditions & electrical interferences, or the location of the clock itself may result in poor reception. If the clock has not synchronized to the correct time within a few days of activation, you may wish to move the clock to a different location. Avoid placing the clock near electrical items such as TVs, microwave ovens & computers.

Internal Synchronization

- Once the clock has been set correctly by the radio signal, the clock operates continuously. To ensure accuracy, the clock synchronizes the position of the second & minute hands every day.

Wave (Forced Signal Reception)

- The **WAVE** button can be used to attempt forced signal receipt. To activate, hold the **WAVE** button down for 3+ seconds. Once the **WAVE** feature is activated, the hands will automatically reset to the 12:00 position, and the movement will attempt to force a signal receipt from Fort Collins, Colorado. When the movement successfully receives the signal, the clock will reset automatically to the correct time. Generally, the signal forced receipt takes approximately 3-8 minutes. If the clock still fails to receive the signal while in the **WAVE** mode, the clock will automatically leave the **WAVE** mode. Please see below on how to manually set the clock.

Manual Set

- On rare occasions in certain areas, the clock may not be able to utilize the radio-controlled function because of either the strength of the signal or the geographic location. In this case, the clock can be set manually and used as a regular quartz wall clock. If it is necessary to set the clock manually, press & hold the **SET** button for 3+ seconds to activate the manual mode. Once the clock is in manual mode, there are two ways to move the minute hand forward. Hold the **SET** button down to move the minute hand forward consistently. Or, press the **SET** button rapidly (more than once per second) to move the minute hand forward step by step (in minute increments). Use these features to move the minute hand forward until the correct time is set. The clock will automatically leave manual mode after the **SET** button is not pressed for 6+ seconds.

Reset

- If the clock does not respond to the various function modes, you can reset the clock by pressing the RESET button on the movement case.
- For best accuracy results, we recommend that you change the battery once a year to maintain accuracy. Remove the battery when the clock will not be in use for an extended period.

Battery Warning

- Clean the battery contacts and also those of the device prior to battery installation.
- Follow the polarity (+) & (-) to place battery.
- Don't mix old and new batteries.
- Don't mix Alkaline, Standard (Carbon-Zinc), or Rechargeable (Nickel-Cadmium) batteries.
- Incorrect battery placement will damage the clock movement and battery may leak.
- Exhausted battery is to be removed from the product.
- Remove batteries from equipment which is not to be used for an extended period of time.
- Don't dispose of batteries in fire. Batteries may explode or leak.

FCC Information

NOTE: 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.