

Atomic Wall Clock Operating Instructions

The radio controlled mechanism in your clock tunes itself to the time signal broadcast by the official U.S. Atomic Clock in Fort Collins, Colorado, also known as WWVB. The clock's time setting will occur automatically soon after the battery is inserted. Please read these instructions carefully and completely as you start to use your clock. Keep them in a safe location as you may want to refer to them in the future.

FEATURES:

- Super accurate radio controlled movement
- Large easy to read dial
- Sets itself automatically
- Daily time updates to maintain accuracy
- Selectable Time Zones: (Pacific/Mountain/Central/Eastern)
- Automatically adjusts to Daylight Savings Time

STARTING THE CLOCK:

- On the back of the clock select the appropriate Time Zone for your area by sliding the switch to position P, M, C, or E (P=Pacific Time; M=Mountain Time; C=Central Time; E=Eastern Time.)
- Insert one AA alkaline battery, 1.5V, (not included) into the battery compartment noting correct polarity markings in the case.
- After inserting the battery, the second hand will move to the 12 o'clock position. Next the minute and hour hands will move to the 12 o'clock position. The clock will then search for the radio signal.
- If the signal is strong, within approximately three minutes the clock will set itself.
- If the signal is weak or the clock is unable to receive the signal the hands will not move. The clock will attempt to receive the signal once each hour for the next 4 hours. Due to atmospheric conditions, signal reception is generally strongest from midnight to 4 AM.
- After 24 hours, if there is still no signal, the hands will move but not to the correct time. This indicates there is no reception at this location and the clock should be moved to another location in order to receive the signal.
- Once the Atomic Clock sets itself, it will seek out the radio signal once daily to maintain accuracy.

MANUAL SETTING MODE:

- In some locations if the time signal is not able to be received by the clock there are 2 alternatives; either move the clock to a different location where reception is possible, or set the time manually.
- To manually set the time, during normal run time press the M.SET button for 5 seconds to enter Manual Setting Mode. Now you can set the time manually. Press the M.SET button once and the minute hand jumps one minute per press of the button; alternatively hold down the M.SET button continuously and release once the correct time has been reached. If you stop pressing the M.SET button for over 7 seconds, Manual Setting Mode is turned off. (There are 2 M.SET buttons on the back of your clock and you may use either one.)

TO FORCE CLOCK TO SEARCH FOR RADIO SIGNAL:

- During normal run time, press the REC button for 3 seconds. The hands stop moving and the clock starts searching for the radio signal. (There are 2 REC buttons on the back of your clock and you may use either one.)
- If reception is successful, the hands synchronize to the correct time. If reception failed, the clock continues running to follow the memory time from previous received signal.

DAYLIGHT SAVINGS TIME:

- Always keep the DST button located on the back of the clock in the ON position. Residents in the states of Arizona and Indiana that do not switch to Daylight Savings Time should keep in the OFF position.

RESET:

- If your clock is not receiving the signal and you need to reset you may remove the battery and re-install or replace if battery is weak or dead. The hands will spin and stop at the 12 o'clock position while the clock searches for the signal again.

TO IMPROVE THE RADIO SIGNAL RECEPTION:

- Do not place the clock too close to household appliances such as televisions, computers, speakers, DVD players, VCR's, fax machines or similar items.
- Do not place on top of or close to metal surfaces.
- Do not place in a metal or concrete building unless close to a window with the curtains or other window treatment open.
- Do not use inside of a moving vehicle.

RADIO SIGNAL RECEPTION MAY BE BLOCKED BY THE FOLLOWING CONDITIONS:

- Mountains and valleys
- Tall buildings
- Power plants, power lines or high voltage cables
- Freeways and Airports
- Construction Sites
- Traffic Lights
- Neon Lights
- Cement or Metal Walls
- Bad weather between your location and the radio transmitter in Colorado
- If you find your signal is blocked try moving to a new location.

CARE OF YOUR CLOCK:

- Replace the battery annually or whenever the clock loses its ability to sense the radio signal while in its normal place in your home or office. Store the clock without a battery when not in use.
- A soft dry cloth or a paper towel may be used to clean your clock. Do not use any corrosive cleanser or chemical solutions on the clock. Keep the clock clean and dry to avoid any problems.