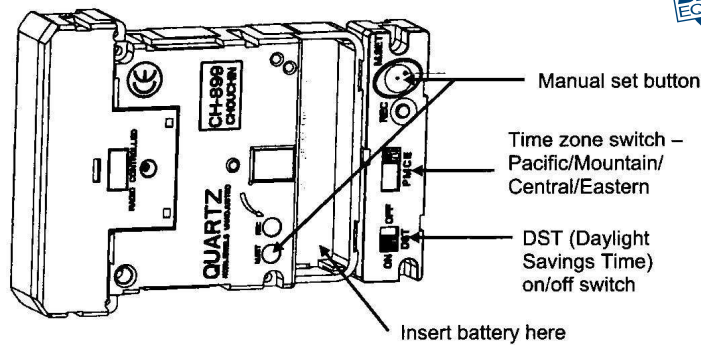


# Atomic Clock Instructions



## To set up the clock

1. Remove the cover on the back of the clock
2. Set the Time Zone switch to your time zone (P - Pacific Time, M - Mountain Time, C - Central Time, E - Eastern Time).
3. Insert one fresh 1.5V AA battery (note the correct polarity +/-).
4. Automatic Setting: After the battery is inserted, hands will quickly advance until they reach 12:00. The clock will move at a normal rate until it receives the signal. The signal is received any time as soon as a few minutes and up to a few days.  
Manual Settings: When all hands stop at 12:00, you may advance the clock manually. Press and hold M.SET button until it reaches the correct time. When the clock successfully receives the signal, it will move to and keep the proper time.

## Clock Location Guidelines:

WWVB is the National Institute of Standards and Technology (NIST) radio station in Fort Collins, CO. The WWVB time signal will easily penetrate masonry and wood frame buildings. The signal is obtainable in most steel buildings providing there are adequate windows. It is not possible, however, for the signal to penetrate rooms in the center of large buildings that do not have windows. In buildings that the signal cannot penetrate, you may set the time using the manual time set button. When the clock is exposed to the signal, it will automatically set the hands to the exact time.

The clock should not be placed within 5 feet of any items that can interfere with reception:

- Electronic appliances: televisions, radios, microwaves, computers, another Radio Controlled clock, phones or stereos.
- Electric or metal appliances: stoves, refrigerators, air conditioners and neon signs.

Large metal surfaces such as aluminum or steel siding, metal counters or cabinets might also affect the reception.

The best reception will be on a wall near a window that is nearest to the direction of Fort Collins, Colorado. Due to the nature of long wave radio signal it may not be possible to receive a signal during the day so it is best to install the battery late in the evening.

## Problems or Difficulties:

In some instances, when the time signal is unavailable, the clock movement will continue to search for a readable signal. If it cannot find a signal, the movement may stop.

To reset, you must clear the memory by removing the battery and inserting the battery backwards for 5 seconds. Then remove the battery and install it correctly. Ideally, restart the clock after 10:00PM, as the time signal quality is generally better during night hours.

## Low Battery Function:

The minute hand begins to advance in 2-second increments when the battery is low. When this condition is noticed, replace the old battery with a fresh one. After installation, let the clock reset itself by receiving the time signal. NEVER attempt to move the hands manually.

## Checking Time-keeping Accuracy:

For the exact time call the NIST time and frequency service in Fort Collins at 303-499-7111 or visit their website at <http://www.boulder.nist.gov/timefreq>. If your clock has received a signal and has set itself properly, it will agree with the time broadcast.

## Daylight Savings Time (DST):

If choose summer time (DST ON), the clock runs their summer time when received the DST signal. Otherwise, it keeps running time normally.

## Extreme Temperatures

The clock will operate in the temperature range of 14° to 122°F (-10 to 50°C). Temperatures outside this range may affect the performance of the clock.