

Radio Controlled Wall Clock Movement Instructions

Quick set up instructions:

1. Insert 1 fresh AA LR6 1.5 Volt Alkaline battery
2. Slide time zone button to your area
 - a. (P-Pacific, M-Mountain, C-Central, E-Eastern)
3. Put DST to "ON"
4. Hands will go to 12:00 position
5. In about 5 to 6 minutes the unit will start to search for the signal.
6. The clock will start to run

General Information:

Select a location to place your radio controlled clock where it will be at least six feet away from a TV, computer, air conditioner or other household electrical appliances. The optimal location is near a window. Windows facing Colorado provide the best signal. The WWVB time signal will easily penetrate masonry and wood framed buildings and will penetrate almost every residential building and most steel buildings if they have adequate windows. It is not possible, however, for the WWVB signal to penetrate most indoor shopping malls and rooms in the center of large office buildings that do not have windows. In buildings that WWVB signals cannot penetrate you may set the time using the Manual Time Set button. When the clock is exposed to the WWVB signal it will automatically set the hands to the exact time.

Set the time using the Manual Time Set Button

In some cases, the clock may not receive the WWVB signal due to atmospheric disturbances or hard to reach locations. In this case, use the Manual Time Set button, located at the back of the clock to manually set the time.

To do this:

1. Press and hold the Manual Set button until the time is set as required.
2. Release the button
3. About 3 seconds later, the second hands will start to move and the clock is now running with manual time.

If you live in an area that doesn't recognize DST you must slide the DST button to OPA to deactivate your clock's DST program.

Helpful Hints

Battery-Clock must have a fresh battery to receive and process the time signal.

Location-If your clock will not receive a signal, try a different location, ideally near a window. It should be at least six feet from computers, TV's, air conditioners, other Radio-Controlled clocks and other electrical appliances that cause interference.

Weather-Electrical storms between you and Colorado during the night will interfere with the WWVB signal.

WWVB Signal Information:

The WWVB radio transmitter is located in Fort Collins, Colorado, where the exact time signal is continuously broadcast throughout the United States at 60 kHz to take advantage of stable longwave radio paths found in that frequency range. Radio waves at these low frequencies use the earth and the ionosphere as a wave-guide and follow the curvature of the earth for long distances.

Frequently Asked Questions

Q-How long will the battery last?

A-A good AA alkaline battery will last over one year. If your clock is located in an area with little interference where it can quickly receive a signal the battery will last much longer than a year.

Q-Can this clock be used outdoors?

A-Yes, but only in a dry environment and in a temperature range between 41° and 131°F.

Q-Can the clock be wired to control timing circuits?

A-No.

