



Instruction Manual

Atomic Clock

Model Number: 00582GT1 / 00582A1

About the Atomic Clock

The National Institute of Standard and Technology (NIST) in Fort Collins, Colorado broadcasts the time signal (WWVB at 60kHz AM radio signal) with an accuracy of 1 second per every 3,000 years. The signal will be able to cover over a distance up to 2,000 miles from the source. Like a typical AM radio, your Atomic will not be able to receive the WWVB signal in places surrounded by heavy concrete or metal panels. The reception of the time signal is also greatly affected by electrical or electronic interference. To get the best performance of the Atomic clock, please install the clock nearer to a window and change directions if one direction does not work. Refer to the “reception” section of the instructions to ensure the correct installation and the best reception.

Battery Installation and Set Up

After power up, the display will show all segments for 3 seconds; then display 12:00pm Jan 1, 2000(default-hidden) together with room temperature and flashing time zone. The Time Zone is defaulted at PST – Pacific Standard Time.

***The time zone will flash for 30 seconds allowing for the selection of the preferred time zone.

1. Select the correct Time Zone by pressing the TIME ZONE button on back of the clock to select Pacific Time (P), Mountain Time (M), Central Time (C), Eastern Time (E)

***The Time, Day/Date stamp will set automatically once signal is caught.

2. Once a Time Zone is selected, your Atomic Clock will start to search for the atomic signal
3. While the Atomic Clock is seeking for the signal, the icon will pulsate gradually indicating the search mode.
4. If valid signal is available, the Atomic clock will decode the Local Time in about 3-5 minutes. The FULL tower icon and “OK” will appear on the display.
5. If the first reception is not successful, the clock will attempt EVERY hour until the time is decoded.
6. If signal is not available when setting up, enter the present time and date by following the manual setup”.

Manual setup:

- A. Select the correct time, day/date:
 1. Press and hold “set” button for three seconds to begin manual setup mode indicated by flashing year (default 2000).
 2. Adjust year by pressing the + or –
 3. Press “set” again to confirm.
 4. Adjust flashing month using the + or - and confirm by pressing the set button.
 5. Adjust flashing date in like manner and confirm.
 6. Select 12/24 hour (regular/military) in like manner and confirm.
 7. Adjust the correct hour in like manner and confirm.
 8. Adjust the correct minute in like manner and confirm.
- B. Selecting DST (Daylight Savings Time):
 1. Hold TIME ZONE button for 3 seconds to enter Daylight Saving Time setting mode. “DST ON” (default setting) will appear on the screen in the “second’s” position of time display.
 2. Press and release TIME ZONE button to select between DST on (Daylight Saving Time on) to DST off (Daylight Saving Time off).

The setting will be saved automatically after 5 seconds.

***Leave the setting to ON if you want to observe the Daylight Saving Time in summer. In parts of Arizona and Indiana where Daylight Saving Time is not applicable, set to DST off
(DST icon will appear on display when DST is received)

Name & Function of Buttons

1. SET

Hold SET button 3 sec to enter clock & calendar setting. Set sequence:
Year > Month > Date > 12/24 > Hr > Min

Press +, - to adjust, then press SET to confirm

2. TIME ZONE

Press to select the current Time Zone:

P = Pacific Time

M = Mountain Time

C = Central Time

E = Eastern Time

Hold TIME ZONE button for 3 seconds to enter into Daylight Saving Time setup mode.

3. (+) SYNC

During CLOCK setting, press (+) button for 1 step advance, hold (+) for 10 step/sec fast advance.

At normal mode, HOLD 3 seconds to get a Manual Synchronization of Atomic time signal

4. (-) C/F

During CLOCK settings, press (-) for 1 step backward, hold for 10 step/sec fast backward

At normal mode, HOLD – key 3 seconds to select °C and °F

Features & Specifications:

- WWVB Radio-Controlled Clock with 4 time zones (P, M, C, E)
- Perpetual calendar with Month, Date/ Day of Week
- Daylight Saving Time
- Digital Thermometer
- 12/ 24 hr Clock
- °C/ °F selectable
- Temperature range: 32°F ~ 158°F, 0°C - 50°C
- Temperature Resolution: 0.1 degree
- Battery: AA x 2pcs

LIMITED WARRANTY – INTERNATIONAL

Consumer may have more remedies at law than follows. Chaney Instrument Company warrants to the owner, this product to be free from defect in material and workmanship for one year from date of purchase. CHANEY INSTRUMENT SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT. Chaney Instrument's obligation (at its option) is limited to repair or replace this product. For in-warranty repair, send clock, accompanied by Guarantee, bearing Dealer's name and date of purchase, with \$5.00 to cover handling and postage, to:

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