

# Atomix Atomic Clock

## Model 00562

### About the Atomic Clock

The National Institute of Standard and Technology (NIST) in Fort Collins, Colorado broadcasts the time signal (WWVB at 60 kHz AM radio signal) with an accuracy of 1 second per every 3,000 years. The signal is able to cover a distance of up to 2,000 miles from the source. Like a typical AM radio, your atomic clock 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 from the atomic clock, install the clock nearer to a window facing west.

### Battery Installation and Set Up

Remove the battery cover and insert 2 "AA" alkaline batteries according to the direction shown inside the battery compartment. Once the batteries are installed the display will show all segments of the LCD display for 3 seconds and will beep once. Then the display will show 12:00pm Jan 1, 2000 together with room temperature. The Time Zone is defaulted at PST – Pacific Standard Time.

- Select the correct Timer Zone
  1. Press the ZONE / DST button to select PST, MST, CST or EST.
  2. Once a time zone is selected, your Atomix clock will start searching for the time signal.
  3. While your Atomix clock is seeking the signal, the signal strength icon will change gradually indicating the search is continuing.
  4. If the signal is available, your Atomix clock will display the local time in about 3-5 minutes. The tower icon and "OK" will appear on your display.
  5. If the signal is not available when you are setting the clock functions, enter the present time and calendar by holding the CLK / CAL button for 3 seconds and then press and release the + or – buttons to select the correct values.
  6. When the clock is searching for the signal and the tower icon on the LCD display is flashing, the manual set buttons will not function. To stop the clock from searching for the signal, press the + button on the back of the clock. This will allow you to set the balance of the features manually. When you have set other features, press the + button again to resume the search for the time signal.

### Name & Function of Buttons

- **CLK / CAL**

Hold the CLK /CAL button for 3 seconds to enter the clock and calendar setting mode. The setting sequence is:  
Year > Month > Date > 12 / 24 > Hr > Min  
Press + or – to adjust, then press CLK / CAL to confirm and move to next feature.

- **ALARM**  
Press the ALARM button to read alarm time for 5 seconds.  
Press and hold the ALARM button for 2 seconds to enter the alarm set mode. Press + or – to adjust, then press ALARM to confirm and move to next feature.
- **ZONE / DST ON / OFF**  
Press to select the current time zone: PST, MST, CST or EST.  
Hold the ZONE button for 2 seconds to switch from DST ON to DST OFF.  
\*If your location observes Daylight Saving Time, this setting must always be turned ON so the clock can adjust properly for the time changes. If your location never observes DST, this setting should always be turned OFF.
- **(+) SYNC**  
During CLK / CAL or ALARM settings, press the + button to advance; hold the button for a 10 step fast advance. During normal operation, press the + button to get a manual synchronization of the atomic time signal.
- **(-) ALARM ON / OFF**  
During CLK / CAL or ALARM settings, press the – button for 1 step backward; hold for 10 step fast set. During normal operation, press the ALARM ON / SNOOZE ALARM / ALARM OFF. The snooze function will only work when the Zz icon is showing in the upper left corner of the clock display. A bell icon appears when the alarm is set.
- **SNOOZE, SNOOZE / LIGHT**  
Press the SNOOZE bar on the top of the clock to enable a repetitive 8 minute snooze alarm when alarm is beeping.

### **Desk or Table Top Use**

On the back of the clock case, there are two folding legs. Rotate these legs out and the clock will stand up for desk or table top use.

### **Features & Specifications**

- WWVB Radio-Controlled clock with PST / MST / CST / EST time zones
- Snooze daily alarm
- Perpetual calendar with month, date and day of week
- DST and ST selectable
- 12 / 24 hr clock
- Calendar: 1 Jan 2000 to 2050
- Snooze time: 8 minutes
- Temperature range: 32°F to 158°F
- Temperature resolution: ± 0.1 degree
- Temperature accuracy: ± 2 degrees

- Time Zone Value  
PST = -8 hr GMT  
MST = -7 hr GMT  
CST = -6 hr GMT  
EST = -5 hr GMT
- DST default: enabled
- Daily auto sync RCC at 12:00 am; if not successful, the clock will attempt to re-sync the next hour
- Crescendo alarm
- WWVB sync time: Max 6 minutes, normal 3-5 minutes
- Battery: 2 "AA" alkaline batteries