

Congratulation on your purchase of an Atomix® Radio Controlled clock. Radio Controlled technology allows for the most accurate time keeping available as well as automatic changes for Daylight Saving Time (DST). Atomix... the first name in Radio Controlled timekeeping.

Clock Specifications

- Receives 60KHz WWVB signal transmitted by NIST in Fort Collins, Colorado
- Automatic time and date adjustment once the Radio Controlled (RC) signal is received.
- Hour, minute, second and calendar display with day -of-the-week display from January 1, 2000 to December 31, 2099
- Temperature measurement range :
 - Indoor main unit: 32F - 122F (0C - 50C)
 - Wireless remote unit: 14F - 122F (-10C - 50C)
- A maximum of 3 remote sensors can be used with this unit. Additional sensors are available separately.
- Transmission range: up to 100ft. in an open area
- Temperature resolution: 0.1 degree
- Main unit can be mounted on a wall or used on a desk or table by unfolding the attached legs.

INSTRUCTION MANUAL

ATTENTION

For the first installation, insert the batteries in the main unit and then the remote sensor.

Battery installation

Atomix clock

Insert 3 "AA" alkaline batteries into the main unit. (Batteries not included)

Remote sensor

Insert 2 "AAA" alkaline batteries into the remote unit. (Batteries not included) Four screws need to be removed to access the battery compartment.

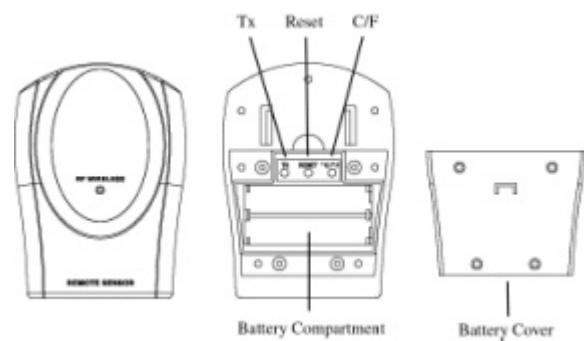
Getting Started

Wireless Thermometer Setup

- Insert batteries in the main unit first and then insert batteries in the remote sensor.
- On the remote sensor, press "Tx" or "Reset" button to send a signal to the main unit.
- On the remote sensor, press the C/F button located under the cover and to select between Celsius and Fahrenheit

temperature readings. (This function is available of remote sensor with display unit)

- The unit is possible handle up to 3 individual remote sensors. One remote sensor included. The first remote sensor will



log in as channel 1.

- To add an additional remote sensor, please make sure batteries are in the main unit first, then insert batteries in the additional sensor and press “Tx” or “Reset” button. The main unit automatically searches for an open channel to register the signal.
- The remote sensor has a range of up to 100 feet in an open area and without barriers. Walls, fences and buildings will decrease the transmitter’s effective range.

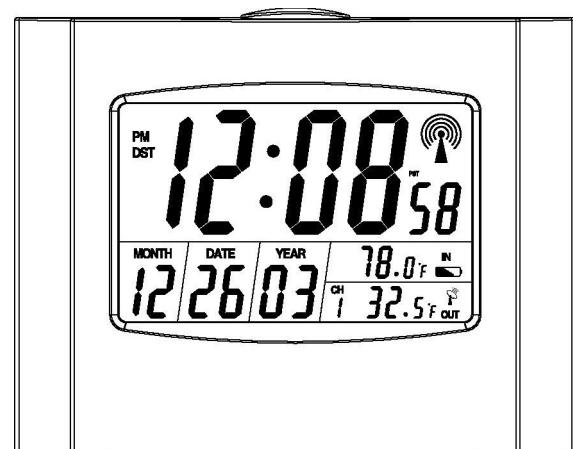
Replacing Batteries

- When replacing batteries for the remote sensor, the channel in the main unit must be cleared. This can be done by selecting the respective channel (channel 1 if there is only 1 sensor) and pressing the “Channel” button for 3 seconds.
- When replacing batteries for the main unit, please remove batteries from all remote sensors and re-install the batteries sequentially in the sensors according to the desired channel. Then please follow the above “Wireless Thermometer Setup” procedure.

Atomix clock:

First reception after inserting batteries

- After inserting batteries in the Atomic clock, it will show “12:56_{AM}” and start to search for the wireless thermometer data.
- Until the clock reaches 1:00_{AM}, the Atomix clock will start search for the WWVB signal for 10 minutes.
- In optimal conditions, the correct time will be displayed within 3 to 5 minutes.
- The tower and wave icon will keep scrolling while the clock is searching for the RC signal. This is normal and indicates the radio control circuitry is working.
- When the 4 “Wave” icons stop scrolling and remain showing it indicates successful reception of the RC time signal.



Auto mode setting

- After installation of batteries or after being reset, the clock will follow the “First reception after inserting batteries” procedure.
- If the clock fails to receive the signal in the first reception, it will repeat a reception every hour until 2:00_{AM} and go to “Automatic time update” mode. If the unit still cannot receive the RC signal after “Automatic time update” mode, it will search again at 2:00_{AM} the next day.
- Once RC signal successfully received, the unit will automatic update a time by “Automatic time update” mode.

Automatic time update

- The clock will automatically update its time at 2:00AM.
- If automatic time update fails, the clock will repeat the procedure 3 times in the next 3 hours. If the unit still cannot receive a RC signal, it will search again at 2:00AM the following day.

PLEASE NOTE: This clock is pre-set to show the Pacific Standard Time (PST) with Daylight Saving Time (DST) as a factory setting. Please adjust the switches on the back of the clock for your local time zone.

IMPORTANT 1: When your Atomix clock is searching for or receiving the RC signal, it will ignore any signal or data from remote sensor(s).

IMPORTANT 2: It is recommended to put your Atomix Clock near a window facing toward Fort Collins, Colorado. Televisions, computers, microwaves or other sources of electrical power may interfere with the clock ability to receive the RC signal. Please move the clock to another location if difficulty in signal reception is encountered.

Atomix Clock manual setting

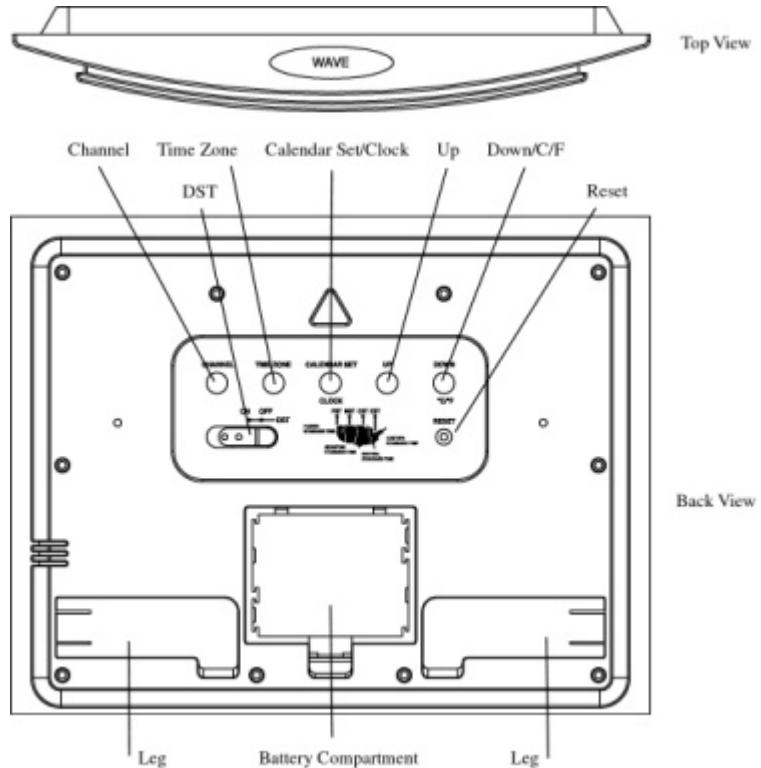
Setting the Time Zone and Daylight Saving Time (DST)

- Press "TIME ZONE" button to display the time in the proper time zone. Time Zone code:
 - PST = Pacific Standard Time
 - MST = Mountain Standard Time
 - CST = Central Standard Time
 - EST = Eastern Standard Time

Slide "DST" switch to ON position except if the clock is used in an area without Daylight Saving Time (i.e. part of Arizona and Indiana)

****Special attention to usage in Arizona and Indiana****

Part of Arizona and Indiana do not use Daylight Saving Time (DST). Please slide the "DST" switch to the OFF position if the clock is used in an area without Daylight Saving Time.



To set the Time and Calendar

- Please follow procedure listed below to adjust the Hour, Minute, Month, Date and Year sequentially.
- Press “TIME/CALENDAR SET” button once and go to Hour set mode, press UP or DOWN button to set your desired Hour display.
- Press “TIME/CALENDAR SET” button again and go to Minute set mode, press UP or DOWN button to set your desired Minute display.
- Press “TIME/CALENDAR SET” button again and go to Month set mode, press UP or DOWN button to set your desired Month display.
- Press “TIME/CALENDAR SET” button again and go to Date set mode, press UP or DOWN button to set your desired Date display.
- Press “TIME/CALENDAR SET” button again and go to Year set mode, press UP or DOWN button to set your desired Year display.
- Finally, press “TIME/CALENDAR SET” button once again and jump out the manual setting mode.

Using of Wave button

The Wave button is located on top of the clock. Pressing the Wave key will have 1 of 2 effects:

- 1) If the clock is searching for or receiving the RC signal, press the Wave key once to stop the clock from searching for or receiving the RC signal.
- 2) If the clock is running, press the Wave key once to start the clock searching for RC signal and the clock will be updated once the RC signal is received.

Using of Channel button

If a user connects more than one remote sensor, just press the CHANNEL button to view difference channel's temperature information.

Using of Reset button (Troubleshooting)

In some unusual occasions, the clock may be affected by electrical interference and respond abnormally. In such conditions, press the RESET button to resume normal operation. The clock will reset the display to 12:5_{AM} and you can begin the set up procedure again.

Care of your Atomix Clock and Remote Sensor

- Avoid exposing your clock and sensor to extreme temperatures, keep out of direct sunlight away from water and severe shock.
- Avoid contact with any corrosive materials such as perfume, alcohol or cleaning agents.
- Do not subject the clock to excessive force, shock, dust, temperature or humidity. Any of these conditions may shorten the life of the clock and sensor.
- Do not tamper with any of the internal components of this clock and sensor, this will invalidate the warranty and may cause damage.

- Use only fresh alkaline batteries. Mixing old and new batteries may cause battery leakage.
- When the outside temperature falls below freezing, the batteries in the remote sensor may not produce enough current to power the transmitter. If this happens, the Atomix clock will not show an outdoor temperature reading. We recommend the transmitter be brought indoors during prolonged periods of sub-freezing temperatures.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Model Name: Worthington

Model Number: 75320

The responsible party information:

Paul Mayer

Chaney Instrument Co,

965 S. Wells Street,

Lake Geneva, WI. 53147,

Tel: 262-248-4449.

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.

CHANAY 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:

Chaney Instrument Company
965 Wells Street
Lake Geneva, Wisconsin 53147