



**Corporate
Express™**

A Buhmann Company

**Atomic Radio Controlled
LCD Wall Clock**

CEG20206

Instruction Manual



BEFORE USING THIS PRODUCT, READ, UNDERSTAND, AND FOLLOW THESE INSTRUCTIONS.

Save these instructions for future reference.
FOR INDOOR USE ONLY

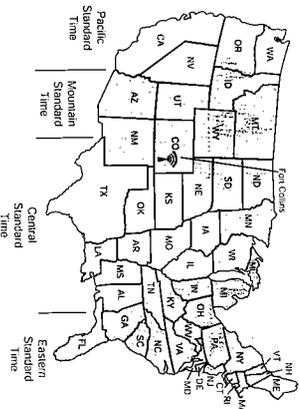
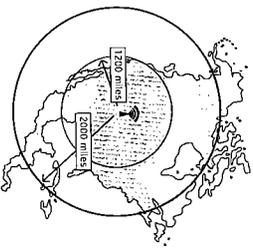
IMPORTANT SAFEGUARDS

- Read all instructions before using.
- Do not expose the Clock to extreme temperatures, water, or rain.
- Do not operate the Clock outdoors.
- Do not expose the Clock to excessive force, shock, or dust. Any of these conditions may shorten the life of the product.
- This product contains no user-serviceable parts. Do not attempt to examine or repair this product yourself. Tampering with the internal components will void the warranty.
- Do not clean the unit with any abrasive or corrosive substance.

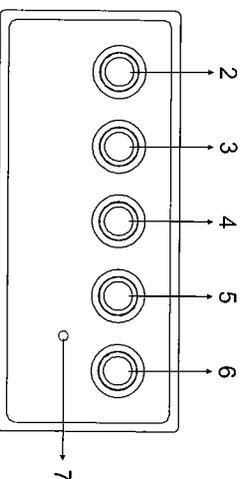
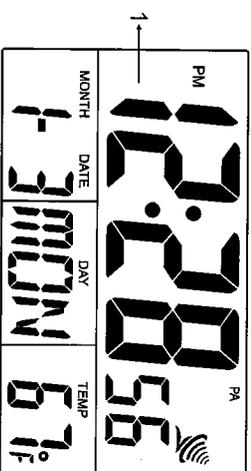
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

The Atomic Clock

With an Atomic Radio-Controlled Clock, you have the most accurate timepiece continent. It can receive the time signal transmitted by the National Institute of Standards and Technology (NIST), which is regulated by three atomic clocks and deviates less than one second per 3000 years. The NIST broadcasts the time signal continuously from Fort Collins, Colorado. This signal can be received anywhere in the continental USA through a wave (AM) radio reception is possible with a portable radio. The signal can be received at a distance of over 2000 miles from the transmitter. Therefore, your clock should be able to receive the signal within the broadcast range anywhere an AM signal can be received; however, the signal cannot usually be picked up in large metal and concrete structures unless the receiver is near a window. In addition, other environmental effects may affect the transmitting distance, such as severe weather and electromagnetic interference.



1. Features



1. LCD Display

2. MODE Button

Switches between alarm setting and time setting modes.

3. SET Button

In normal time display mode, toggles between Celsius and Fahrenheit temperature display modes. In setting mode, changes selected setting.

4. ADJUST Button

In normal time display mode, toggles between Month / Date and Year display. In alarm mode, switches alarm/snooze on/off.

5. RECEIVE Button

Initiates a time synchronization attempt.

6. SNOOZE Button

Suspends the Alarm.

7. RESET Button

Returns all internal clock settings to factory values.

2. Battery Installation

- a. Remove the Battery Compartment Cover from the back of the Clock.
- b. Insert one "AA" size battery according to the "+" and "-" polarity marks shown in the Battery Compartment.
- c. Remove the clear protective film from the Display Screen, if present.

3. Time Synchronization

- a. Once the battery is inserted, the tower icon () waves will start blinking, which indicates the clock is searching for the time signal.

- b. Depending on the strength of the time signal, synchronization could take 72 hours to complete.

- c. Once time synchronization is complete, the tower icon waves will stop blink and will display steadily. If the clock does not receive the time signal successfully, tower icon will not display.
- d. In areas where reception of the time signal is not possible (or automatic synchronization is not desired), you can set the clock manually; see Section 5 for instructions.
- e. If the clock does not detect the time signal within 12 minutes, it will cancel the synchronization attempt. You will need to relocate the clock and initiate a time synchronization attempt by pressing the RECEIVE Button. You can detect the time signal strength after pressing the RECEIVE Button by looking at the tower icon:

		
Bad signal quality	Acceptable signal quality	Excellent signal quality

4. To Set Time Zone

While in normal time display mode, press the MODE Button to enter alarm set mode. Press the SET Button to switch to the desired time zone (PA=Pacific, MO=Mountain, CE=Central, and EA=Eastern time).

6. Setting and Using the Alarm

- a. While in normal time display mode, press the MODE Button to switch to Alarm
- b. Press and hold the SET Button until the alarm hour digits blink.
- c. Press the ADJUST Button to set the desired alarm hour.
- d. Press the SET Button to switch to minutes setting and press the ADJUST Button to set the desired alarm minutes.
- e. Press the MODE Button to exit and return to normal time display. Note that the Alarm Bell icon  is now activated, as indicated by the Alarm Bell icon. To deactivate the Alarm Bell icon, press the MODE Button to switch to Alarm mode and then press the ADJUST Button until the Alarm Bell icon disappears from the display.

5. To Select Temperature Scale

While in normal time display mode, press the SET Button to switch between Fahrenheit (°F) and Celsius (°C) temperature display modes.

7. How To Set Time And Calendar Manually

In areas where reception of the time signal is not possible (or automatic synchronization is not desired), you can set the time and calendar manually.

- a. Press and hold the SET Button for two seconds. The hours digit will blink.
- b. Press the ADJUST Button to set the desired hour and then press the SET Button to switch to minute setting.
- c. Continue to set all clock / calendar values in this order: Hours - Minutes - Seconds - 12/24 Hr Display - Year - Month - Date.
- d. Press the MODE Button to exit and return to normal time display mode.

f. To activate the Automatic Snooze feature, switch to Alarm mode and then press the ADJUST Button until the "Zz" icon appears in the display. When the Automatic Snooze feature is activated, the alarm will sound for one minute, stop, and then sound again after three more minutes. The Alarm will sound a total of four times (once every four minutes) and then will stop until the next day. When the Alarm sounds without the Automatic Snooze feature enabled, the alarm will sound for one minute and then stop until the next day.

g. When the Alarm sounds, you can stop the Alarm by pressing the SNOOZE Button on the back of the clock. The alarm will sound again the next day unless you deactivate the Alarm as instructed in Step e. above.

8. Troubleshooting

My clock doesn't synchronize.

- Check the batteries and replace them if necessary.
- If you have placed the clock on a desk or table, try rotating it 90 degrees. The antennas are directional and you may be able to improve the signal strength by turning the antenna.
- Place the clock near a window to improve signal reception strength.
- Place the clock at least three to four feet away from computer monitors and other electronic devices, since they can cause interference (some monitors have a scan frequency at or near the carrier frequency of 60 KHz).

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- If nothing else works, take the clock outdoors at night and press the REC Button in order to force it to look for the time signal. If the clock synchronizes outdoors but not indoors, you probably have a local interference problem your house or building.

Note: Do not leave the clock outside for long periods of time, as it is not weatherproof.

My clock is off by a few minutes or seconds.

This is most likely a reception problem. When your clock is not receiving a controlled signal, the time will "drift" and gradually get farther away from the time. Remember, if your clock is not receiving the time signal, it is no longer "atomic" and it is just a normal quartz clock.

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If the Clock is receiving the time signal, the display will show the  icon. If you still are not sure if your Clock is receiving the radio-controlled signal, follow the instructions under "My clock doesn't synchronize."

Do I need to check the accuracy of my clock occasionally?

You do not need to check a properly working atomic clock; it should always display the correct time. However, if you want to check its accuracy, you can check the NIST web clock on the Internet at www.nist.time.gov, or listen to NIST Radio Station WWV using a shortwave radio.

Daylight Savings Time went into effect, but my clock didn't change.

This is probably a reception problem. Your clock hasn't received the time signal recently, so it didn't know about the time change. Follow the instructions under "My clock doesn't synchronize."

My clock switched to Daylight Savings Time, but we don't observe DST where I live.

Adjust the Time Zone back by one to have your clock display the correct time for you area during DST. Alternatively, you can set the time manually while DST is in effect

For additional information on atomic clocks and how they work, visit the NIST web site at www.boulder.nist.gov/timefreq/stations/radioclocks.htm

9. Battery Handling And Usage

- Follow the battery manufacturer's safety and usage instructions.
- Keep batteries away from children and pets.
- Do not mix a used battery with a new battery, or mix different chemistries or sizes of batteries.
- Do not use rechargeable batteries with this product.
- Insert the batteries observing the proper polarity (+/-) as indicated inside the battery compartment. Failure to properly align the battery polarity can cause personal injury and/or property damage.
- Remove spent or discharged batteries from the product. Remove the batteries when the product will not be used for extended periods of time.

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- Never throw batteries into a fire. Do not expose batteries to fire or other sources.
- Battery Disposal: Spent or discharged batteries must be properly disposed or recycled in compliance with all applicable laws. For detailed information, contact your local solid waste authority.

10. Specifications

Clock Type: Radio-Controlled; Quartz backup
Display Type: Liquid Crystal Display (LCD)

Battery Information:
1 x "AA" size

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LIMITED WARRANTY

This item is warranted to be free from defects in materials or workmanship for a period of one year from the original date of purchase under normal conditions of intended use. Within the warranty period, we will repair/replace the product or refund your money, at our option, at the place of purchase upon presentation of sales receipt or other proof of purchase. This warranty extends only to the original purchaser, and excludes any damage to the product resulting from accident or misuse.

The above warranty is complete and exclusive. The warrantor expressly disclaims liability for any special, incidental, indirect, or consequential damages in connection with the purchase or use of this product or costs over the original purchase price.

Any implied warranties arising by operation of law shall be limited in duration to the term of this warranty.

This warranty gives you specific legal rights and you may have other rights, which vary by jurisdiction. This warranty is valid only within the United States of America (USA).

Model # C-872AWD
Item #C92D0174

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