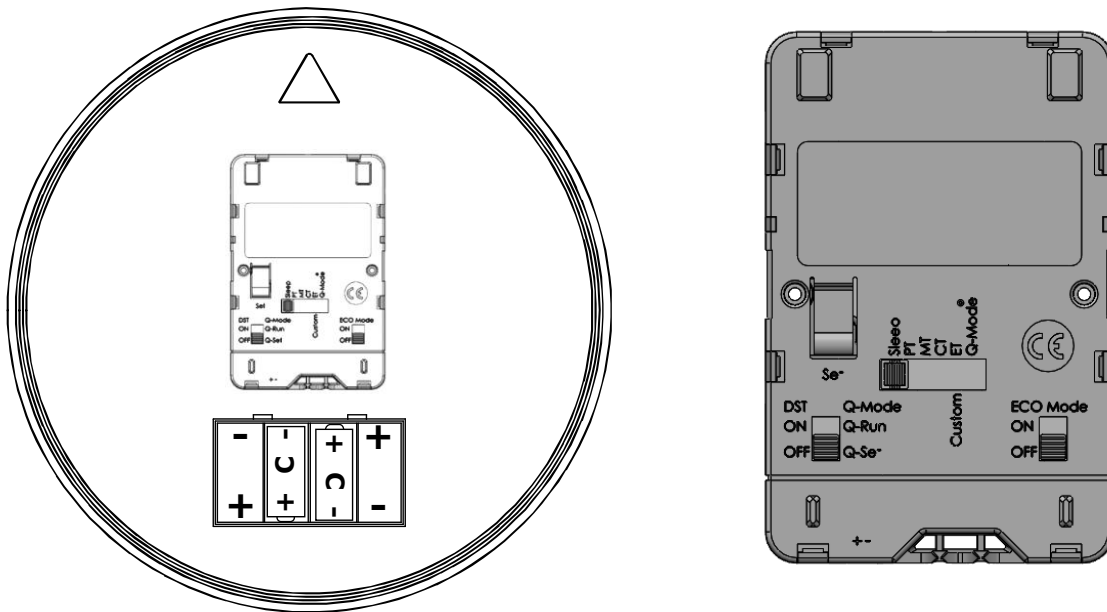


404-1235-UA-PL-404-1235UA-SS FAQs

The links below will work in most PDF viewers and link to the topic area by clicking the link. We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>



CONTENTS

404-1235-UA-PL-404-1235UA-SS FAQs.....	1
Ultratonic Time	2
Ultratonic clock startup.....	2
Batteries	2
Ultratonic clock Factory Restart.....	3
Secondhand Stops at 6:00	3
Secondhand Stops at 12:00	3
Manual Set Time.....	3
Supported Time Zones.....	3
Custom Time Zones (optional).....	4
Eco-Mode (optional).....	4
Clock is incorrect by Hours but minutes are correct.....	4
How long will the battery last?.....	4
Can I shut off the WWVB signal Reception?.....	4
Can I wire a control timing circuit to the La Crosse Technology® ultratonic clock?	4
Why do the hands spin once or twice everyday?.....	4
Hands spin non-stop	5

Hands stuck at certain time.....	5
Position the Clock.....	5

ULTRATOMIC TIME

- This clock, with the UltrAtomic movement is the first and only clock in the market that receives the NIST’s newly enhanced phase modulation based broadcast and is based on a dual-antenna scheme, making it insensitive to the orientation of installation. This clock is designed for significantly better signal reception.
- The two antennas, enhancing the reception allowing it to synchronize in the noisiest and hostile electronic environments such as busy office buildings, hospitals, or other institutions.
- The extra antenna increases signal reliability and penetration. The movement features 2 additional battery compartments (optional use) that allows the clock to run longer & extending battery life.

ULTRULTRATOMIC CLOCK STARTUP

1. Slide the Time Zone switch to your time zone.
PT = Pacific, MT = Mountain, CT = Central, ET = Eastern
2. Slide the DST switch to the ON or OFF position.
3. Insert two or four fresh “C”, LR14 1.5 volt batteries according to the polarity markings.

Important: When batteries are installed, the hands will move to 4 o’clock, 8 o’clock, or 12 o’clock position and search for the Atomic Time signal.
-If successful, the hands will move to the time received for the time-zone selected.
-If not successful, the hands will stay either at 4 o’clock 8 o’clock or 12 and the movement will continuously keep trying to receive the Atomic Time.

BATTERIES

Explanation: Many problems are resolved with fresh batteries of the appropriate voltage. Many items sent in under warranty work, when tested with fresh batteries. Batteries manufactured this year will have an expiration date 10 years (or more) in the future. Battery technology has improved and batteries will maintain voltage longer in storage. However, the environment the batteries reside in for the 10 years can deplete the power.

- We suggest a name-brand Alkaline battery.
- A minimum voltage of 1.48V is necessary for proper performance.
- Use a battery dated at least six years in advance of the current year. Batteries dated earlier than six years from now may still work, but may be unstable in performance.
- Good name-brand batteries make less noise, which reduces the chance of RF (radio frequency) interference from the battery compartment.

ULTRATOMIC CLOCK FACTORY RESTART

Explanation: The factory restart returns the UltrAtomic clock to an “out-of-the-box” state and often resolves an issue.

1. Remove batteries for 15 minutes.
2. After 15 minutes, install fresh batteries.

Important: When batteries are installed, the hands will move to

4 o'clock, 8 o'clock, or 12 o'clock position and search for the Atomic Time signal.

- If successful, the hands will move to the time received for the time zone selected.
- If not successful, the hands will stay either at 4 o'clock 8 o'clock or 12 and the movement will continuously keep trying to receive the Atomic Time.

SECONDHAND STOPS AT 6:00

- Low batteries are indicated when second hand stops at the 6, yet the Hour and Minutes hands run as usual.

SECONDHAND STOPS AT 12:00

- Clock has Eco-mode set to ON.
- To save battery power the second hand stops at 12:00, between the hours of 11pm-5am.
- If this happens outside of the hours of 11pm-5am, the clock may be set to a custom time zone.

MANUAL SET TIME

On rare occasions, the clock may not be able to receive Atomic time because of the strength of the signal or the geographic location. In this case, the clock can be set manually and used as a regular Quartz wall clock.

1. Set DST switch to the OFF (Q-Set).
2. Set Time Zone switch to the Q-MODE.
Note: The movement will move to 4 o'clock 8 o'clock or 12 o'clock position and stop.
3. Hold the SET button to set the time quickly
4. Press and release the SET button to change the time slowly.
5. When time is set, slide the DST switch to ON (Q-RUN) position.
6. The second hand will start running from 12:00 and the clock will keep time as manually set.

SUPPORTED TIME ZONES

- This UltrAtomic clock offers four basic time zones: Pacific, Mountain, Central and Eastern.
- Use the Custom Time Zones to set you clock for other times zones.

CUSTOM TIME ZONES (OPTIONAL)

This clock allows you to select more than the four selectable time zones normally on an analog clock. Time Zones available are GMT 0 to -11

1. Slide the Time Zone switch to CUSTOM ET.
2. Press and release the SET button to advance the time in one-hour increments.
3. The clock will keep time in the new time zone selected.

ECO-MODE (OPTIONAL)

Eco-mode is a battery saving feature that stops the second hand at 12:00, between the hours of 11pm-5am.

- Eco Mode switch ON: Second hand does not move between 11pm and 5am. Hour and Minute hands move.
- Eco Mode switch OFF: the second hand runs constantly.

CLOCK IS INCORRECT BY HOURS BUT MINUTES ARE CORRECT

- This is a Time Zone issue. Hold your Time Zone button for 5 seconds. The clock should correct itself.
- Check that DST selector is on.

HOW LONG WILL THE BATTERY LAST?

- Two good "C" Alkaline batteries will last over 12 months.
- If you add two additional "C" batteries, over 3 years.

CAN I SHUT OFF THE WWVB SIGNAL RECEPTION?

- Yes. Slide the Q-SET button to Q-Mode and the clock will keep time as a quartz clock. It will not receive the atomic time signal.

CAN I WIRE A CONTROL TIMING CIRCUIT TO THE LA CROSSE TECHNOLOGY® ULTRATOMIC CLOCK?

- No, the clock cannot work on a timing circuit.
- Opening the clock voids the warranty.

WHY DO THE HANDS SPIN ONCE OR TWICE EVERYDAY?

- When the hands spin about the same time every day the clock is auto-correcting the time. The **hour hand** should not spin more than twice around the clock.
- Hands may spin if the battery is underpowered or over powered.
- Use only Alkaline batteries in the clock.

HANDS SPIN NON-STOP

- This is indicative of a low or overpowered battery (number 1 warranty issue).
- Replace battery and perform restart procedure. Allow 5 days to catch the WWVB signal
- If constant spinning continues, the movement may need replacement.

HANDS STUCK AT CERTAIN TIME

- If it is the second hand, stuck at 12:00 check the ECO-MODE is off.
- If the second hand is stuck at 6:00, this is indicative of a low or overpowered battery (number 1 warranty issue).
- Replace battery and perform restart procedure. Allow up to 5 days to receive a signal.
- Check to see if the hands may be bent.
- Movement may need replacement.

POSITION THE CLOCK

- This La Crosse Technology® UltrAtomic clock is designed for indoor use.
- Select a location to place the 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 on a wall or near a window facing Colorado.