



LFF LWC204 Atomic Clock Large Display Digital Wall Clock User Manual

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ATOMIC DIGITAL WALL CLOCK
WITH OUTDOOR TEMPERATURE

Ref.: LWC204





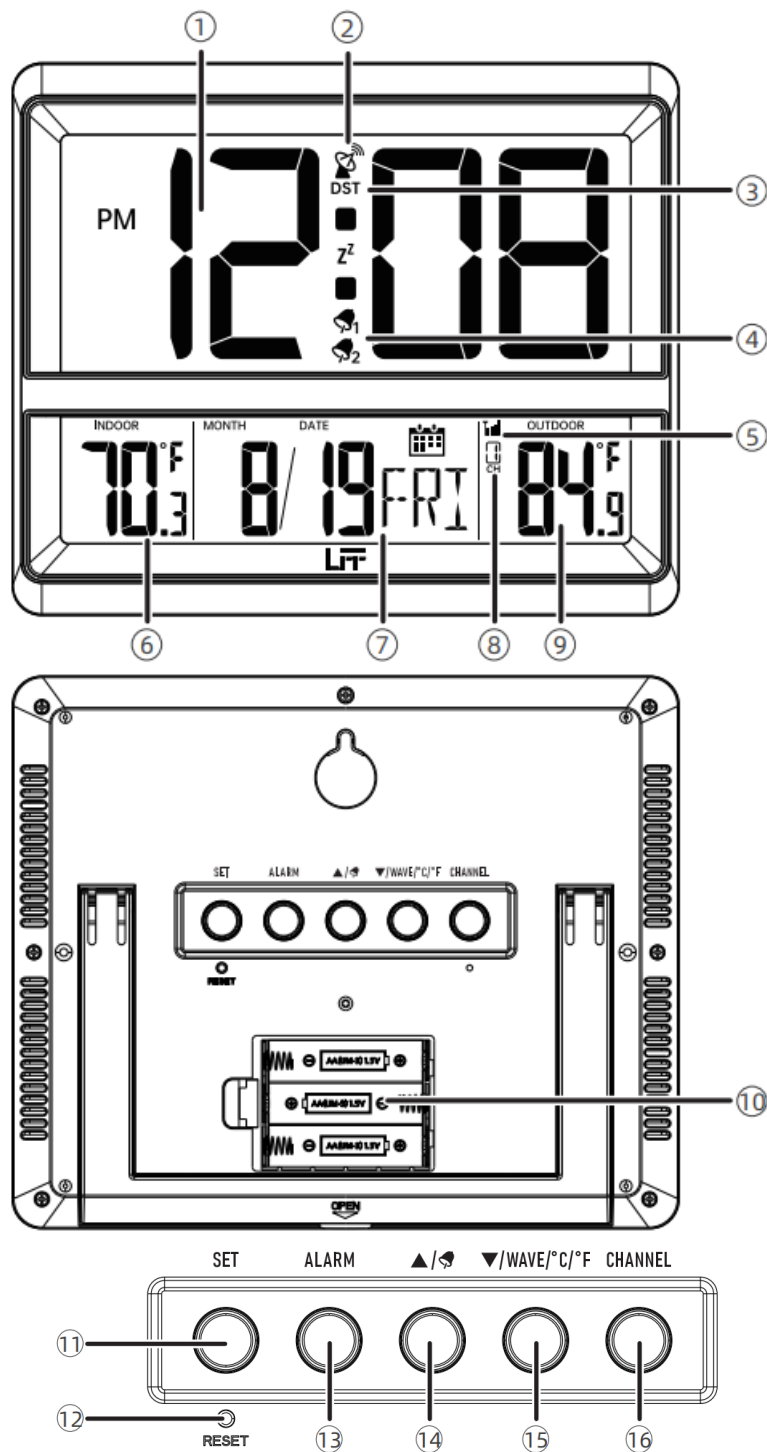
-USER MANUAL-

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PACKAGE LIST

ITEM NO	PART NAME	FIGURE	QTY
1	ATOMIC DIGITAL WALL CLOCK	 A rectangular digital wall clock with a large LCD display showing the time 12:08 PM. Below the main display, there are smaller sections showing indoor temperature (70.3°F), date (8/19 FRI), and outdoor temperature (84.9°F). The brand name 'LIF' is visible at the bottom.	1
2	OUTDOOR SENSOR	 A small, rectangular outdoor temperature sensor with a digital display showing 84.9°F. It has a small circular hole at the top and the brand name 'LIF' with three dots at the bottom.	1



1. Time display
2. Atomic clock indicator
3. DST (Daylight Savings Time) indicator
4. Alarm indicator
5. Outdoor sensor signal strength indicator
6. Indoor temperature reading
7. Calendar with month, date and day display
8. Channel indicator
9. Outdoor temperature reading
10. Battery door (3 x AA batteries)
11. SET button
12. RESET button

13. ALARM button
14. ▲/🌙 button
15. ▼/WAVE/°C/°F button
16. CHANNEL button

MAIN FEATURES

- Large LCD display.
- 5 functional buttons: SET, ALARM, ▲/🌙, ▼/WAVE/°C/°F, CHANNEL.
- Self setting accurate atomic time function.
- Time display: Hour, minute.
- Calendar display: Month, date and weekday.
- 8 time zones: EST, CST, MST, PST, AKT, HST, AST, NST.
- Alarm with snooze function.
- Displays Indoor & outdoor temperature.
- Low battery indication for both wall clock and wireless sensor.
- Supports up to 3 optional wireless sensors.

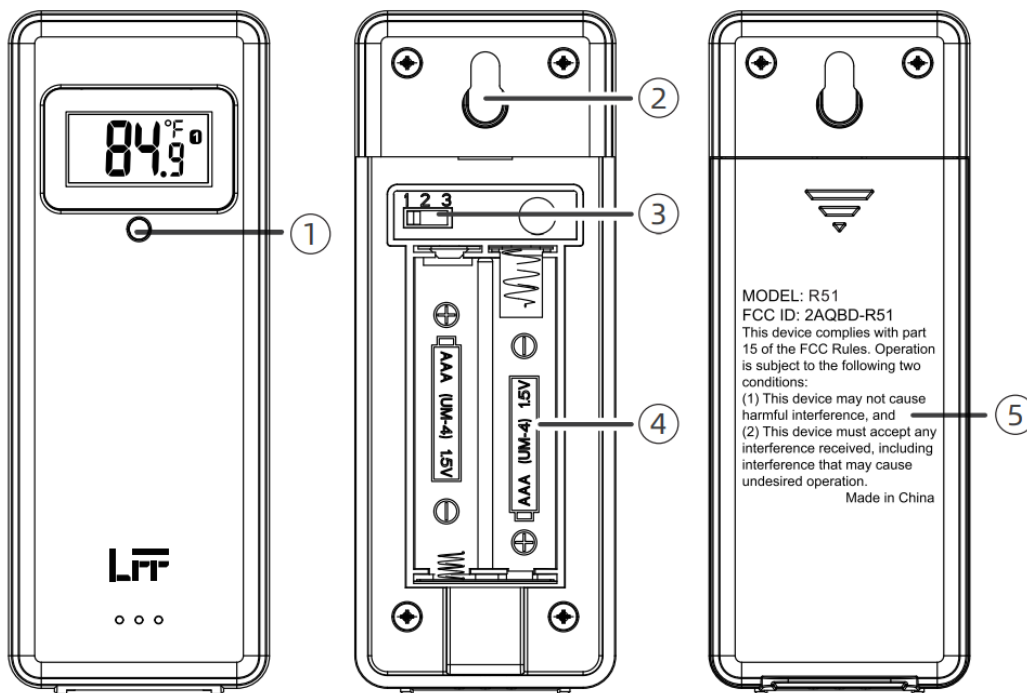
OUTDOOR TEMPERATURE SENSOR

3.1 MAIN FEATURES

- Temperature measurement.
- Low battery indication.

3.2 TX BUTTONS ON THE BACK

1. LED: Flashes when the unit transmits a reading
2. Wall mount
3. Channel switch: Channel 1, 2, 3 inside battery compartment
4. Battery compartment: Use 2 x AAA batteries
5. Battery door




FIRST TIME TO USE

Please select the correct time zone in order to display correct time accordingly.

4.1 PAIR THE OUTDOOR REMOTE SENSOR

First of all, it needs to do the pairing between outdoor remote sensor and wall clock. Please follow below procedures to pair the sensor.

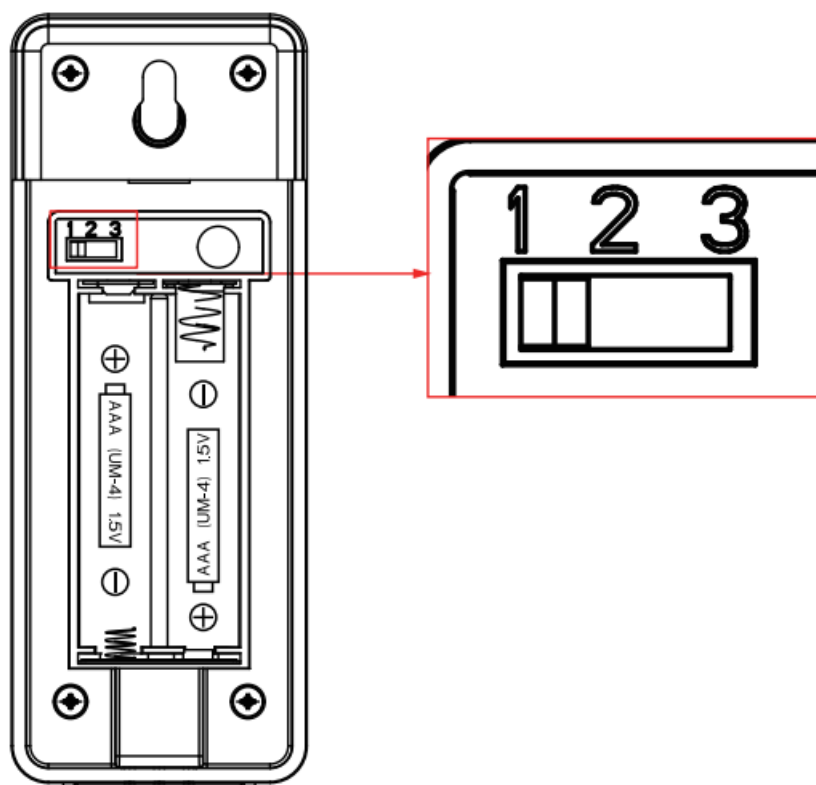
1. Insert 3 new “AA” batteries into the wall clock.

The screen is turned on. It starts to search sensor and register the received sensor. During pairing, the signal strength indicator  will animate until the sensor signal is received or for 5 minutes if no signal available.

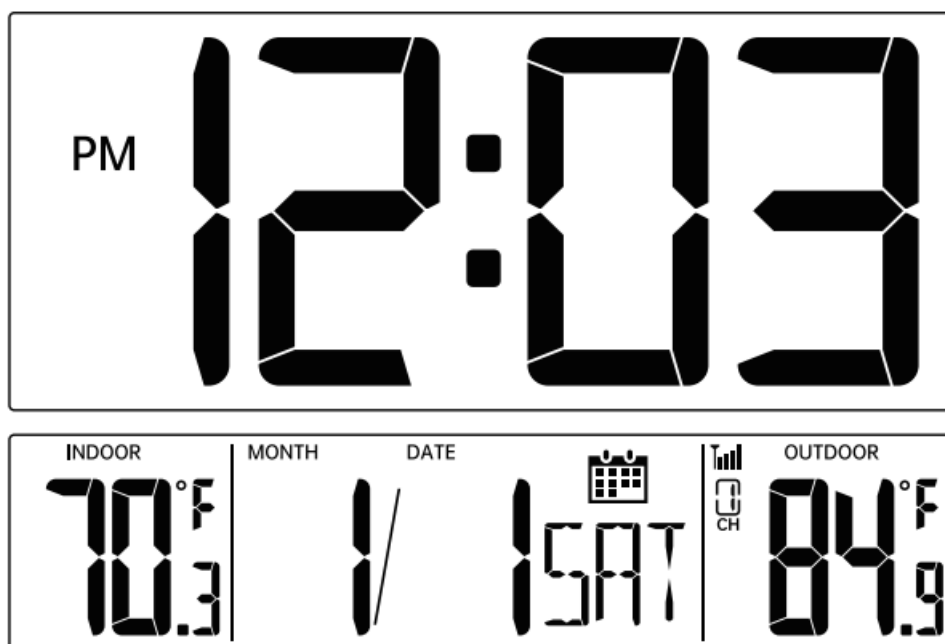


Note: If no sensor(s) is paired, you can pair the sensor(s) again manually by pressing and holding the **16[CHANNEL]** key for 3 seconds. Please refer to “9 SEARCH FOR OUTDOOR SENSOR”.

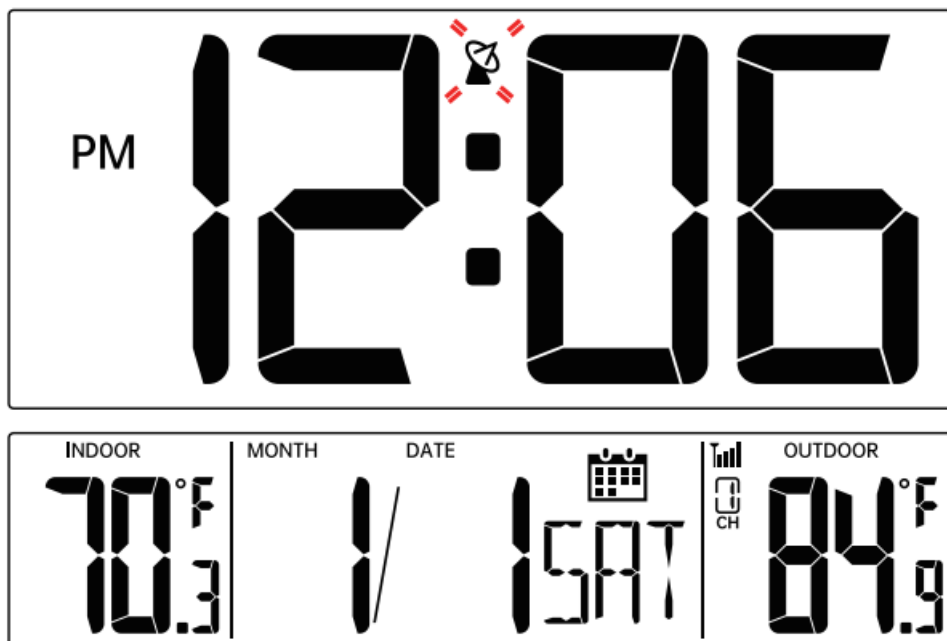
2. Slide the switch to CH1 of the outdoor sensor and Insert 2 new “AAA” batteries. The wireless remote sensor will transmit the signal and LED will flash during transmission.




3. Keep the outdoor sensor 5-10 feet from the wall clock.
4. When the RF connection is established, the temperature readings will appear on the station.




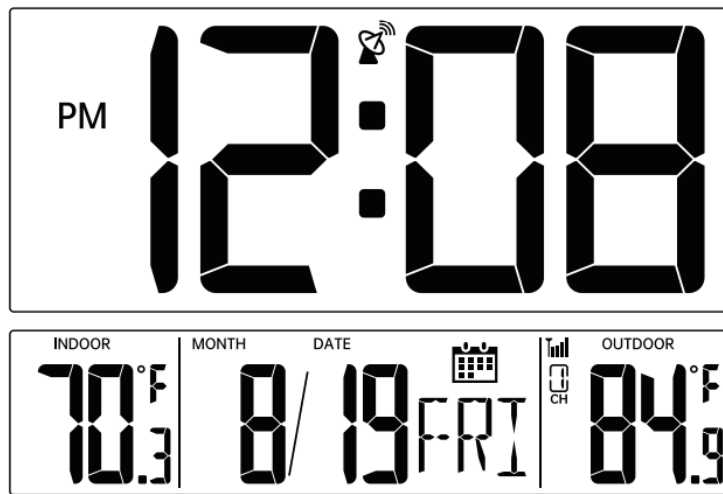
5. After 3 minutes of sensor pairing time, the wall clock will automatically receive atomic clock signal, the tower icon 📶 will be flashing.



6. When the wall clock detects the atomic clock signal, the signal strength indicator  will be animated.




7. Put the wall clock away from interference, such as electronic devices.
(TV, computer, microwave, radio, etc.)
8. When the wall clock signal is received successfully, the time and date will be updated. The Atomic Time tower icon  will be solid.



Normal Time Display


9. Allow the outdoor sensor and wall clock to sit together for 15 minutes to establish a strong connection.
10. Do not press button for 15 minutes.
11. After 15 minutes, place the sensor in a shaded outdoor location.

ATOMIC CLOCK RECEPTION

- The wall clock automatically begins search WWVB signal and update the time every day at 1:00 am, 2:00 am, 3:00 am, 4:00 am, 5:00 am.
- The Atomic Time tower icon  will flash while searching and will be solid when it has connected.

5.1 MANUAL RCC RECEPTION

You can receive the atomic clock signal manually. In Normal time display, press and hold 15 [▼/WAVE/°C/°F] over 3 seconds to receive the atomic clock signal manually.

The tower icon  is flashing and will start atomic clock reception.

When the atomic clock signal is received successfully, the time and date will be updated.



During atomic clock reception, press and release 15 [▼/WAVE/°C/°F] key over 3 seconds to exit atomic clock reception.

For information about WWVB, visit www.nist.gov/pml/div688/grp40/wwwvb.cfm

TIME SETTING

In the Normal time display, press and hold 11 [SET] for over 3 seconds to enter setting mode. Press and release 14 [▲/] or 15 [▼/WAVE/°C/°F] to adjust the values. Press and hold 14 [▲/] or 15 [▼/WAVE/°C/°F] over 3 seconds to adjust the values quickly. Press and release 11 [SET] to confirm and move to the next item.

6.1 SETTING ORDER

1. RCC On/Off	2. Time Zone	3. DST On/Off
4. Year	5. Month	6. Day
7. 12/24 Hour Format	8. Hour	9. Minute
10. End of Setting		

1. Press and hold 11 [SET] button entering the settings. RCC ON flashes. Press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to set RCC on/off. Press 11 [SET] to select Time Zone.

Note: If RCC OFF is selected, you will skip Time Zone and DST settings and move year setting.

2. When Zone EST icon flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] button to set a different time zone (EST=Eastern, CST=Central, MST=Mountain, PST=Pacific, AKT=Alaska, HST=Hawaii, AST=Atlantic, NST=Newfoundland).

Press [SET] to select DST on/off.

3. When DST ON flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] button to select DST on/off. Press 11 [SET] to select Year.
4. When Year flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust the year. Press 11 [SET] to select Month.
5. When Month flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust the month. Press 11 [SET] to select date.
6. When Date flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust the date. Press 11 [SET] to select the 12/24 hour format.
7. When 12 Hr flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust 12/24 hour format. Press 11 [SET] to select hour.
8. When Hour flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust the hours. Press 11 [SET] to select minute.
9. When Minute flashes, press 14 [▲/☞] or 15 [▼/WAVE/°C/°F] to adjust the minutes. Press 11 [SET] to save all settings and exit the setting.



ALARM CLOCKS

7.1 CHECK ALARM TIME

In Normal time display, press 13 Alarm to toggle switch display Alarm1 and Alarm2 time.



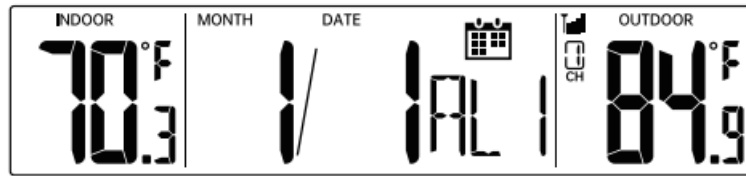
7.2 SETTING THE DAILY ALARMS

Press and hold 13 Alarm over 3 seconds to enter alarm setting mode.

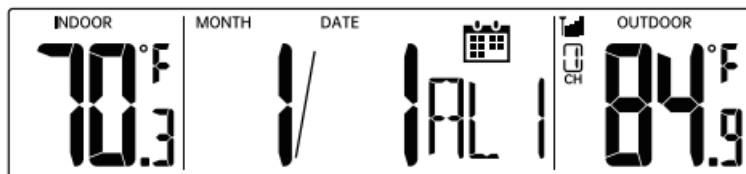
Press and release 14 [▲/🔊] or 15 [▼/WAVE/°C/°F] to adjust the values. Press and hold 14 [▲/🔊] or 15 [▼/WAVE/°C/°F] over 3 seconds to adjust the values quickly.

Press and release 13 Alarm to confirm and move to the next item.

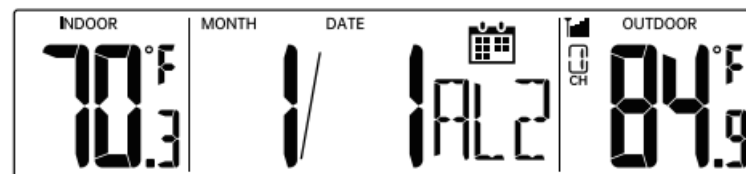
- Press and hold 13 Alarm over 3 seconds to enter alarm setting mode. Hour of Alarm1 starts to flash. Press 14 [▲/🔊] or 15 [▼/WAVE/°C/°F] button to set required alarm1 hours. Press 13 Alarm to select Minute of Alarm1.



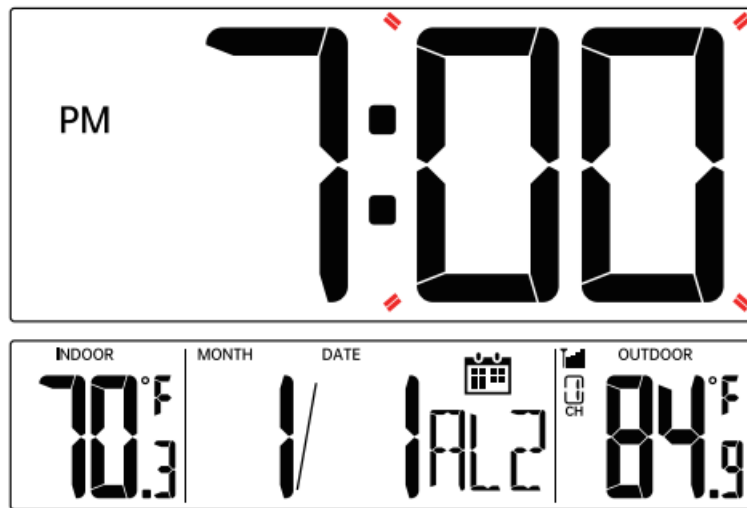
- When Minute of Alarm1 flashes, press 14[▲/↶] or 15[▼/WAVE/°C/°F] button to set required alarm1 minutes. Press 13 Alarm to select Hour of Alarm2.



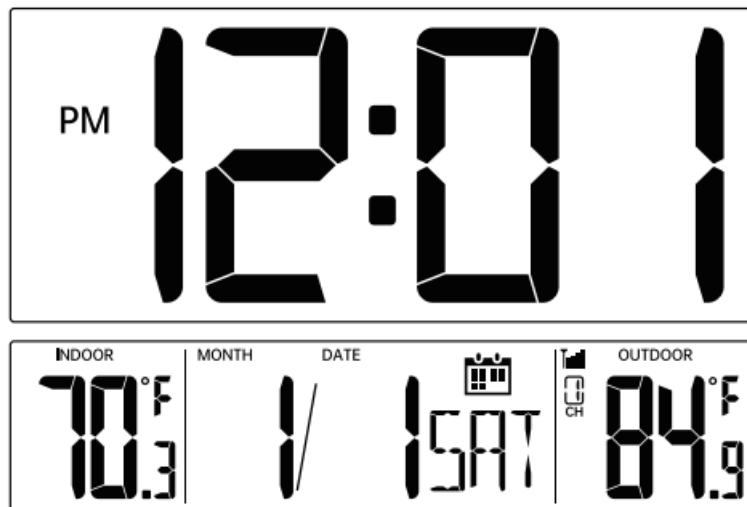
- When Hour of Alarm2 flashes, press 14[▲/↶] or 15[▼/WAVE/°C/°F] button to set required alarm2 hours. Press 13 Alarm to select Minute of Alarm2.



- When Minute of Alarm2 flashes, press 14[▲/↶] or 15[▼/WAVE/°C/°F] button to set required alarm2 minutes.



Press 13 Alarm to save all settings and exit the setting.



Note: If there is no valid operation within 20 seconds, it will automatically return to the normal time display mode from the setting mode.

7.3 DEACTIVATE/ACTIVATE ALARM

- In Alarm time mode, press 14 [▲/🔊] to select the Alarm1 and Alarm2 ON or OFF.
- If the alarm is on, its corresponding alarm icon (🔊1 and 🔊2) will be shown on the display.
- Alarm1 icon 🔊1 is shown on display, it means Alarm1 is turned on.
- Alarm2 icon 🔊2 is shown on display, it means Alarm2 is turned on.
- Alarm1 🔊1 and Alarm2 🔊2 icons are shown on display, it means Alarm1 and Alarm2 are turned on.



7.4 SWITCHING OFF THE ALARM SIGNAL

- When the alarm is ringing, press any buttons except 11[SET] to stop the alarm signal. It is not necessary to reactivate the alarm. It will ring again this time next day.

7.5 SNOOZE FUNCTION

- When the alarm rings, press 11[SET] button to pause the alarm. The snooze indicator icon keeps flashing.
- The alarm will resume after 5 minutes.

LOW BATTERY INDICATION

- When battery indicator  next to the outdoor temperature, replace batteries in your outdoor sensor.
- When battery indicator  shows next to your atomic tower icon, replace batteries in your wall clock.

SEARCH FOR OUTDOOR SENSOR

- In Normal display, press and hold 16 [CHANNEL] for over 3 seconds to search the outdoor temperature sensor.
- The wall clock can support up to 3 sensors with different channels 1/2/3.
- The signal strength icon will animate until the sensor(s) signal is received, or for 5 minutes if no signal is available.



SWITCH TEMPERATURE UNIT

In Normal time display, press and release15 [▼/WAVE/°C/°F] to interchange the temperature unit between degree Celsius and degree Fahrenheit.

USE THE WALL MOUNT

- Both the wall clock and outdoor transmitter have a tabletop and wall mounting structure.
- For the clock, use the recessed hole/holes on at the back of the clock to hang it or pull out the back-stand for tabletop use.
- For the transmitter, use the hang hole or place the unit in an area protected from direct rain.

SPECIFICATIONS

Indoor	<ul style="list-style-type: none">• Temperature Range: 32.0°F to 122.0°F (0.0°C to 50.0°C)
Outdoor	<ul style="list-style-type: none">• Temperature Range: -58.0°F to 158.0°F (-50.0°C to 70.0°C)Note: Temperature below -4°F require Lithium batteries in the outdoor sensor• Distance: 330ft (100m)• Transmission frequency: 433MHz
Power	<ul style="list-style-type: none">• Wall clock: 3 x AA 1.5V, alkaline batteries• Sensor: 2 x AAA 1.5V, alkaline batteries
Dimension	<ul style="list-style-type: none">• Wall clock: 8.90 x 7.38 x 0.96 inches• Sensor: 1.57 x 4.09 x 1.02 inches

IMPORTANT PLACEMENT GUIDELINES

- Mounting under an eave or deck rail works well.
- Mount the remote sensor on the North side where to prevent the sun from causing incorrect readings
- Be sure the outdoor sensor is mounted vertically to drain moisture.
- Mount at least 6 feet in the air for a strong RF (radio frequency) signal.

- To prevent wireless interference, place units at least 3 ft (0.9 m) away from electronic devices (TV, computer, microwave, radio, etc.).
- To maximize atomic signal reception, place the weather station away from large metallic items, thick walls, metal surfaces, or other objects that may limit radio communication.
- The maximum wireless transmission range must be within 300 feet (100m) in open air, not including walls and floors.

FCC STATEMENT

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

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 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 the equipment does not 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 the 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.

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.

ATOMIC DIGITAL WALL CLOCK **LWC204**



	<p>LFF LWC204 Atomic Clock Large Display Digital Wall Clock [pdf] User Manual</p> <p>LWC204 Atomic Clock Large Display Digital Wall Clock, LWC204, Atomic Clock Large Display Digital Wall Clock, Clock Large Display Digital Wall Clock, Display Digital Wall Clock, Digital Wall Clock, Wall Clock, Clock</p>
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References

- [NIST Radio Station WWVB | NIST](#)
- [User Manual](#)