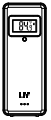
ATOMIC DIGITAL WALL CLOCK WITH OUTDOOR TEMPERATURE

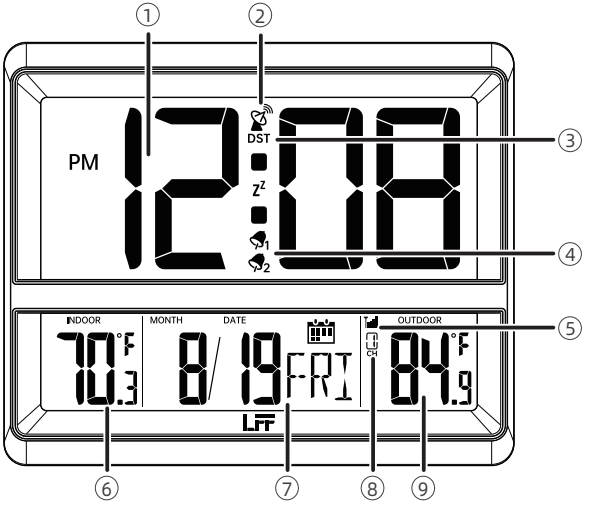
Ref.: LWC204

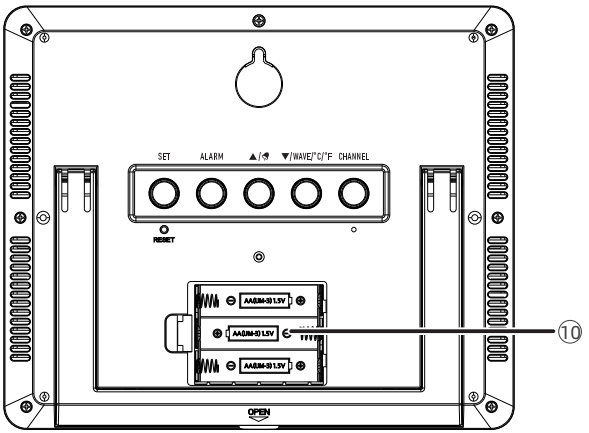
-USER MANUAL-

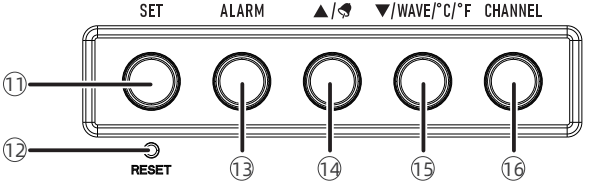
PACKAGE LIST

ITEM NO	PART NAME	FIGURE	QTY
1	ATOMIC DIGITAL WALL CLOCK		1
2	OUTDOOR SENSOR		1
3	USER MANUAL		1

1 WALL CLOCK UNIT







1. Time display
2. Atomic clock indicator
3. DST (Daylight Savings Time) indicator
4. Alarm indicator
5. Outdoor sensor signal strength indicator
6. Indoor tempertaure reading
7. Calendar with month, date and day display
8. Channel indicator
9. Outdoor tempertaure 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

2 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.

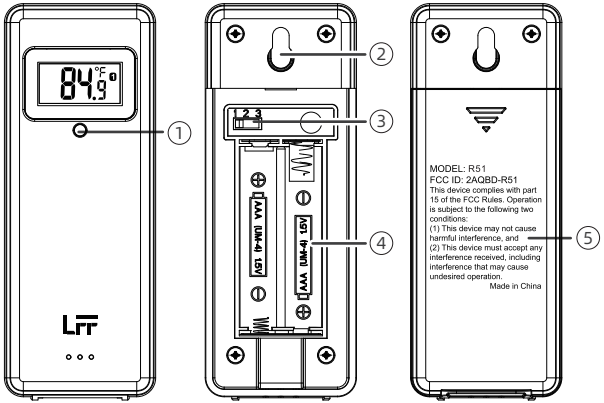
3 OUTDOOR TEMPERATURE SENSOR

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



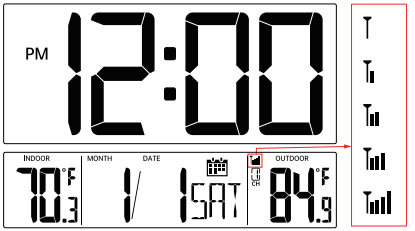
4 FIRST TIME TO USE

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

4.1 PAIR THE OUTDOOR REMOTE SENSOR

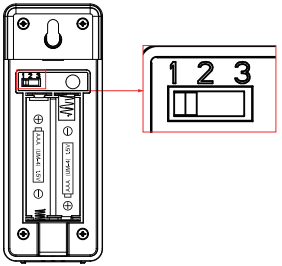
First of all, it needs to do the pairing between outdoor remote sensor and wall clock. Please follow below procedures to pair the sensor.

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.

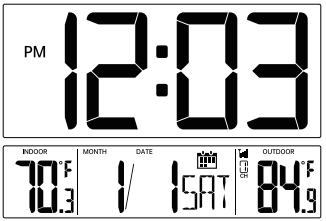


Note: If no sensor(s) is paired, you can pair the sensor(s) again manually by pressing and holding the ⑯ **[CHANNEL]** key for 3 seconds. Please refer to "**9 SEARCH FOR OUTDOOR SENSOR**".

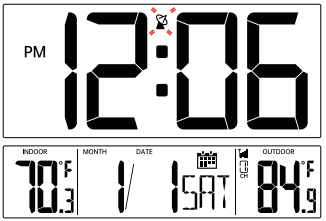
2. Slide the switch to CH1 of the outdoor sensor and Insert 2 new "AAA" batteries. The wireless remote sensor will transmit the signal and LED will flash during transmission.



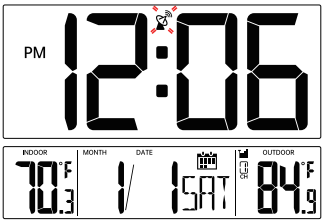
3. Keep the outdoor sensor 5-10 feet from the wall clock.
4. When the RF connection is established, the temperature readings will appear on the station.



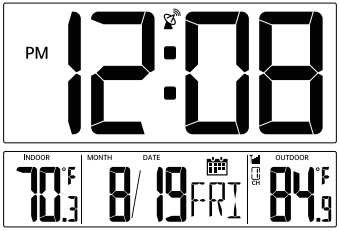
5. After 3 minutes of sensor pairing time, the wall clock will automatically receive atomic clock signal, the tower icon will be flashing.



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

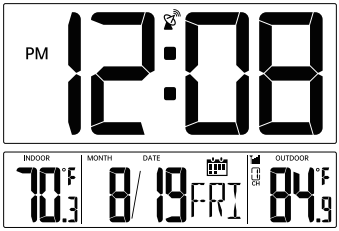
9. Allow the outdoor sensor and wall clock to sit together for 15 minutes to establish a strong connection.
10. Do not press button for 15 minutes.
11. After 15 minutes, place the sensor in a shaded outdoor location.

5 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/wwvb.cfm

6 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 ⑪ **[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.

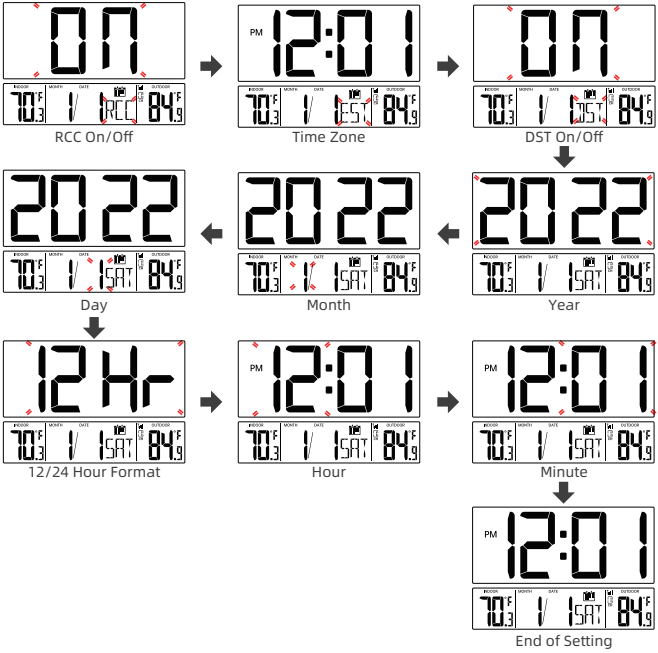
5.) When Month flashes, press ⑭ **[▲/]** or ⑮ **[▼/WAVE/°C/°F]** to adjust the month. Press ⑪ **[SET]** to select date.

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.



7 ALARM CLOCKS

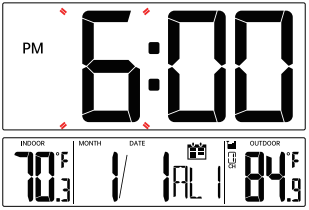
7.1 CHECK ALARM TIME

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

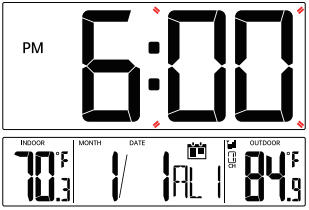
7.2 SETTING THE DAILY ALARMS

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.

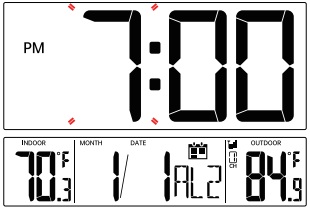
- Press and hold ⑬【Alarm】over 3 seconds to enter alarm setting mode. Hour of Alarm1 starts to flash. Press ⑭【▲/ 🔔】or ⑮【▼/WAVE/°C/°F】button to set required alarm1 hours. Press ⑬【Alarm】to select Minute of Alarm1.



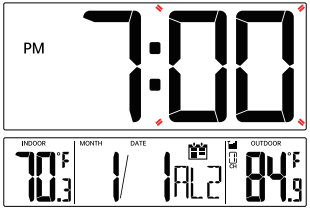
- When Minute of Alarm1 flashes, press ⑭【▲/ 🔔】or ⑮【▼/WAVE/°C/°F】button to set required alarm1 minutes. Press ⑬【Alarm】to select Hour of Alarm2.



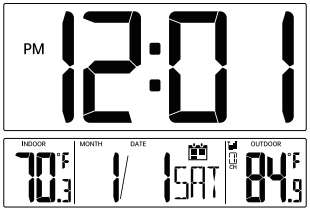
- When Hour of Alarm2 flashes, press ⑭【▲/ 🔔】or ⑮【▼/WAVE/°C/°F】button to set required alarm2 hours. Press ⑬【Alarm】to select Minute of Alarm2.



• 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 Z^Z keeps flashing.
- The alarm will resume after 5 minutes.

8 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.

9 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.

10 SWITCH TEMPERATURE UNIT

In Normal time display, press and release ⑮ **[▼/WAVE/°C/°F]** to interchange the temperature unit between degree Celsius and degree Fahrenheit.

11 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.

12 SPECIFICATIONS

Indoor	• Temperature Range: 32.0°F to 122.0°F (0.0°C to 50.0°C)
Outdoor	• 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	• Wall clock: 3 x AA 1.5V, alkaline batteries • Sensor: 2 x AAA 1.5V, alkaline batteries
Dimension	• Wall clock: 8.90 x 7.38 x 0.96 inches • Sensor: 1.57 x 4.09 x 1.02 inches

13 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.

14 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

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Made in China