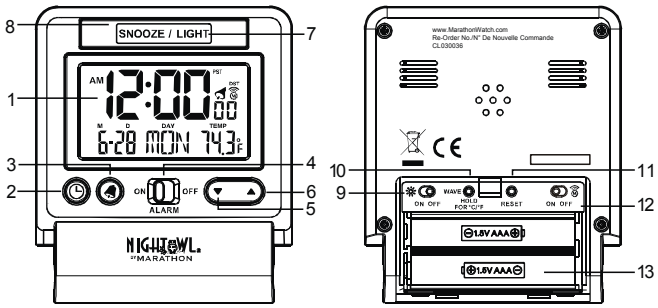
RADIO CONTROLLED ATOMIC CLOCK

CL030036 OPERATING INSTRUCTIONS

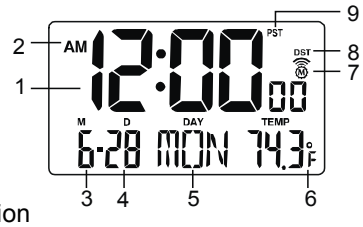
1. Location of Control

1. LCD display
2. CLOCK key
3. ALARM key
4. ALARM ON / OFF
5. DOWN key
6. UP key
7. SNOOZE/LIGHT key
8. Light sensor
9. NIGHT-LIGHT ON/OFF
10. WAVE/ºC to ºF key
11. RESET key
12. Radio controlled ON/OFF
13. Battery compartment



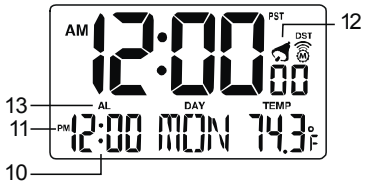
Display Symbols

Normal time mode



1. Normal Time
2. AM/PM
3. Month
4. Date
5. Day of the week
6. Temperature
7. Signal strength indication
8. Daylight saving time
9. Time zone(PST/MST/CST/EST/AST/NST)

Alarm time mode



10. Alarm time
11. AM/PM
12. Alarm on/Snooze
13. Alarm mode

2. GETTING STARTED

- Remove the battery door.
- Install two new AAA size batteries as per the polarity information marked on the battery compartment.
- Replace the battery door.
- Once the battery is installed, the normal segments of the LCD will be shown before entering the radio controlled time reception mode.
- The radio controlled clock will automatically start scanning for the radio controlled time signal in 8 seconds.

Note:

If no display appears on the LCD after inserting the battery, press the “RESET” key by using a metal wire. In some cases, you may not receive the signal immediately. Due to the atmospheric disturbance, the best reception often occurs during nighttime.

3. RECEPTION OF RADIO SIGNAL

- The unit must receive the Radio Signal to automatically set the time, date and date.
- The unit automatically starts the signal search after installing new fresh batteries, as indicated by the flashing " " icon
- Everyday at 2:00 am, the unit automatically carries out the synchronization procedure with the radio signal to correct any deviations to the exact time. If the attempt is not successful, the "signal tower" icon will disappear from the display, and the unit will automatically attempt another synchronization at 3:00 am. This procedure is repeated automatically again at 4:00 am if necessary.
- Each synchronization process will take between 3 to 16 minutes, depending on the signal strength received. If no signal is detected, the unit will automatically exit the process in 6 minutes.
- Once the unit is synchronized successfully to the radio signal, the " " icon will be turned on until 2:00 am of the following day.
- The unit also automatically conducts the synchronization process at 8:00 am, 2:00 pm, 8:00 pm.
- To manually force the radio signal reception, press and release the "WAVE" button. The User may also cancel the process by holding the WAVE button. Note: This button is also used to change the temperature reading.

4. SETTING TIME ZONE

Your clock is designed to display time for different time zones. Please refer to the Manual Clock setting to set your desired time zone in the following order.

PST: Pacific Standard Time
MST: Mountain Standard Time
CST: Central Standard Time
EST: Eastern Standard Time
AST: Atlantic Standard Time
NST: Newfoundland Stanard Time

Note:

After selecting the time zone, the " " icon will be turned off as the unit is no longer synchronized to the radio signal. User may press the WAVE button (inside battery compartment) to restart the synchronization process, or let the clock automatically carry out the synchronization procedures daily starting at 2:00 am.

5. SIGNAL STRENGTH INDICATOR

The signal indicator displays the signal strength in 4 levels. When the wave segment is flashing this means time the signals are being received. The signal quality could be classified into 4 types:

No signal

Weak signal quality

Acceptable signal quality

Excellent signal quality

If the clock receives the signal successfully, the signal icon “ ” will appear on the LCD. The unit has already received the time signal. Otherwise the signal strength symbol will disappear from the LCD display.

6. DAYLIGHT SAVING TIME (DST)

- The unit will automatically advance the time by one hour in the spring and back an hour in the fall, provided the DST function is not turned off.
- DST function is set to AUTO by default. Please refer to Manual Clock setting section for details.

7. MANUAL CLOCK SETTING

1. In normal mode, press and hold “CLOCK” key for 2 seconds until the time zone flashes.
2. Press “UP” or “DOWN” key to set the desired time zone.
3. Press “CLOCK” key again until the Year digit flashes.and press “UP”/ “DOWN” key to adjust its value.
4. Repeat the above operations to set the time and calendar in this sequence: Time zone > Year > Month > Date > 12/24 Hour format > Hour > Minute > Second > Language (GB/FR/DE/ES/IT) > DST AUTO/OFF.

Note:

The clock will automatically exit the clock setting mode after 30 seconds without pressing any buttons.

8. ALARM TIME SETTING

1. In normal mode, press and hold “ALARM” key for 2 seconds until the hour digit flashes.
2. Press “UP” or “DOWN” key to set the desired value.
3. Press “ALARM” key until the minute digit flashes and press “UP”/ “DOWN” key to adjust its value.
4. Press “ALARM” key again to save and exit the setting.

Using Alarm and Snooze Function

- Set the alarm time as described in the above section.
- Slide “ALARM ON/OFF” switch to ON position to turn on the alarm function the alarm icon “ ” will be displayed on the LCD.
- Slide “ALARM ON/OFF” switch to OFF position to turn off the alarm.

Note:

- Alarm time is displayed instead of calendar when alarm is switched ON.
- The alarm will sound for 1 minute if the user does not deactivate the alarm by pressing any button. In this case the alarm will be repeated automatically at the same time the following day.
- The unit comes with "Crescendo" alarm. The rising alarm sound changes its beeping frequency 4 times over the 1 minute sounding period.
- While the alarm is beeping, press the “SNOOZE” button to activate the snooze function. This moves the alarm back by 5 minutes. The snooze period may be activated 4 times per alarm cycle.
- The clock will automatically exit the alarm setting mode after 30 seconds wtihout pressing any buttons.

9. AUTOMATIC NIGHT-LIGHT

The unit has an automatic "night-light" function. The display will light up automatically when it's in a dark environment. The dim glow of light will allow users to see the clock in the dark. Pressing the SNOOZE/LIGHT button will turn on the normal back-light for 5 seconds.

Use “NIGHTLIGHT ON/OFF” to activate or deactivate this function.

- Slide it to ON position to activate night-light function. When it is ON, the backlight will automatically turn on in dim & dark environments detected by the light sensor.
- The brightness of the automatic light is weaker than the normal backlight.

10. TEMPERATURE DISPLAY

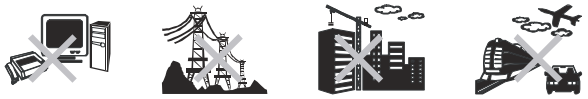
The temperature is displayed in °F by default. Users may hold the "WAVE" button for 3 seconds to switch between °F and °C modes.

11. BATTERY REPLACEMENT

When the LCD becomes dim, replace with 2 new AAA size batteries at once. Pay attention to the battery polarity.

Note:

Please dispose of the used unit or batteries in an ecologically safe manner.

12. TROUBLESHOOTING

- If the unit has trouble receiving the signal, try a different location, ideally near a window
- Always place the unit away from interfering sources such as televisions, computers, etc.
- Avoid placing the unit on or next to metal plates.
- Closed areas such as airports, basements, tower blocks, or factories are not recommended.
- Do not start reception in moving vehicles
- Electrical storms between your location and Colorado may interfere with the radio signal.