

4. Close the **Battery Cover** and **Locking knob**.

IMPORTANT:

1. Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
2. For better performance and longer operating time, we recommend the use of alkaline batteries.
3. Do not mix old and new batteries.
4. Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel-Cadmium) batteries.
5. Do not dispose of batteries in fire, batteries may explode or leak.
6. Only batteries of the same or equivalent type as recommended are to be used.
7. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.

AC Operation

This main unit may also be used with an external AC-DC Adaptor (not included) with **6V DC/ 70mA** output. When the adaptor is connected to the DC Jack, the battery is automatically disconnected and acts as back-up power.

WARNING:

BEFORE CONNECTING THE ADAPTOR TO THE UNIT, PLEASE MAKE SURE THAT THE POLARITY OF YOUR ADAPTOR CAN MATCH THE POLARITY MARKING LOCATED BESIDES THE DC JACK.

IMPORTANT:

*We recommend installing battery inside the **Clock battery compartment** at any time. Once the DC adaptor removed from the main unit, the clock battery will back-up all clock settings otherwise all settings will be lost.*

SET UP WIRELESS TEMPERATURE READERS

Set Up procedure

Outdoor Transmitter unit:

1. Release the **Locking knob** of the Outdoor Transmitter.
2. Remove **Battery Cover**, ensuring batteries were installed.
3. Use a straightened paper clip, toothpick, or similar blunt object to press **RESET** button.

Caution: *DO NOT use a sharp, pointed object to press the **RESET** button. It may damage the reset switch inside the unit.*

4. The **Transmit indicator (LED)** will flash 5 minutes (transmitting data) for reception distance alignment.
5. Close the **battery door** then cover and lock the **Transmitter cover**.

Main Unit:

1. Ensuring batteries were installed in the **clock battery compartment**.

2. Use a straightened paper clip, toothpick, or similar blunt object to press **RESET** button.
***Caution:** DO NOT use a sharp, pointed object to press the **RESET** button. It may damage the reset switch inside the unit.*
3. The **Outdoor and Indoor Temperature Display Area** will show temperature readings.
4. Select desired locations for both Outdoor & Indoor units. If **Outdoor Temp. Display Area** shows " - - °C or °F " or a "reception weak" icon flashes. That means the outdoor transmitter is too far away from the main unit. Relocate either unit until the **Outdoor Temp. Display Area** shows temperature reading and without showing "reception weak" icon.
***Caution:** Outdoor Transmitter and Indoor Main unit should not be placed under direct sunlight or close to electrical appliances, such as computer, CRT/LCD monitoretc.. If the received outdoor temperature does not work properly, press the **SYNC** button of the Main unit and the **RESET** button of the Outdoor Transmitter.*

SYNC button

The effective reception distance may be shortened by blockade of obstacle or other strong interference. The outdoor temperature reading on LCD display will flash and display "reception weak". Please try pressing the **SYNC** button to capture updated data transmitted from the outdoor transmitter. If the outdoor temperature reading does not appear within 5 minutes. Please check battery or Set up distances again (see above Set Up procedure section).

Tuner / Radio Operation

FM Antenna

Extend the FM antenna wire. Reception quality depends on the length of the antenna wire extended away from the unit; the greater the distance, the stronger the reception quality.

Radio Tuning

1. To activate the radio, slide the **POWER ON/OFF** switch to ON position. Slide the **AM/FM** band switch to select desired radio band.
2. Rotate the **TUNING** knob and tune to a desired radio station.
3. To turn off the radio, slide the **POWER ON/OFF** switch to OFF position.

Private listening

For private listening, you may plug an earphones (not included) to the **Stereo Phones Jack** located at the side of the main unit.

Clock, Dual Alarm Functions

Clock , Calendar, Temperature unit Setting

Set Clock

1. Press the **MODE** button 3 times, the clock display flashes.
2. To set the hour, press the **HOURL** button. Press and Hold the button will fast advance the setting value.
3. To set the minute, press the **MIN** button. Press and Hold the button will fast advance the setting value.

Set 12/24 Hour format

4. Press the **MODE** button again entering 12/24 hour format setting mode.
5. To select 12/24 hour format, press either **HOURL** or **MIN** button.

Set Year

6. Press the **MODE** button again entering year setting mode, the year reading flashes.
7. To set year, press the **HOURL** or **MIN** button to set advance or reverse the year. Press and Hold the button will fast advance or revert the setting value.

Set Month/Date

8. Press the **MODE** button again entering month/date setting mode, the month/date reading flashes.
9. To set the Month, the **HOURL** button. Press and Hold the button will fast advance the setting value.
10. To set the Date, press the **MIN** button. Press and Hold the button will fast advance the setting value.

Set Temperature reading unit

11. Press the **MODE** button again entering temperature unit $^{\circ}\text{C}$ or $^{\circ}\text{F}$ setting mode, the temperature unit flashes
12. Press either the **HOURL** or **MIN** button to select desired temperature unit.

Exit setting mode

13. To save all settings and exit the setting mode, press **SNOOZE/LIGHT** button or wait for few seconds.

Setting the Dual Alarm

Set Alarm 1

1. Press the **MODE** button once. The alarm clock and "AL-1" icon display flash.
2. To set the Hour, press the **HOURL** button. Press and Hold the button will fast advance the setting value.
3. To set the minute, press the **MIN** button. Press and Hold the button will fast advance the setting value.
4. To activate the daily alarm, press the **ALARM ON/OFF** button. An alarm indicator  appears on display.

5. Press **SNOOZE/LIGHT** button or wait for few seconds to exit Alarm setting mode.

Set Alarm 2

1. Press the **MODE** button twice. The alarm clock and "AL-2" icon display flash.
2. To set the Hour, press the **HOURL** button. Press and Hold the button will fast advance the setting value.
3. To set the minute, press the **MIN** button. Press and Hold the button will fast advance the setting value.
4. To activate the daily alarm, press the **ALARM ON/OFF** button. An alarm indicator  appears on display.
5. Press **SNOOZE/LIGHT** button or wait for few seconds to exit Alarm setting mode.

Select alarm sound source

The unit provides two alarm sound sources, "wake to Alarm" or "wake to Radio". To select wake to Alarm, slide the **POWER ON/OFF** switch to "wake to Alarm" position.

To select wake to Radio, slide the **POWER ON/OFF** switch to "wake to Radio" position.

Note:

1. When Wake to Radio is selected, ensuring a desired radio station and desired volume level are tuned.
2. Only either "Wake to Alarm" or "Wake to Radio" can be selected for both Alarm 1 & 2 at the same time. For example, if Alarm 1 is set for "Wake to Alarm" then Alarm 2 cannot be "Wake to Radio".

Alarm Off and Snooze Function

When current time matches the alarm setting, the alarm sounds from the selected source.

Wake to Alarm or Radio

1. When the alarm sounds (Alarm sound or Radio is turned ON), alarm indicator flashes. Press **ALARM ON/OFF** button to stop the alarm sound. The alarm indicator stay on the LCD display and the unit will activate the alarm again next day.
2. After the 1st Three alarm minutes, it goes into Auto Snooze mode. A SNOOZE icon appears on display. It stops for the snooze time (around 9 minutes) and then comes on again.
3. To activate the snooze function manually, press the **SNOOZE/LIGHT** button when the alarm sounds (within the 1st Three minutes). The alarm sound stops for the snooze time. A SNOOZE icon appears on display.
4. The snooze operation (including Auto-snooze + Manual snooze) can be repeated up to 3 times. After the fourth time the alarm shuts off until the next day.

Voice Report Function

The unit provides a Voice Report feature.

To activate the voice report of current time, indoor & outdoor temperature, press the **REPORT** button.

Display Function

Backlight

To activate LCD display backlight, press **SNOOZE/LIGHT** button.

We may also select dimmer backlight. A **DIM/LIGHT** switch located at rear of the unit. Slide the switch to DIM position.

Max. & Min. Temperature of the day

The unit can memorize maximum and minimum temperature of the day.

1. Press **HOURL** button once to view Max. outdoor temperature.
Press **HOURL** button again to view Min. outdoor temperature.
Press **HOURL** button one more time going back to view current outdoor temperature.
2. Press **MIN** button once to view Max. indoor temperature.
Press **MIN** button again to view Min. indoor temperature.
Press **MIN** button one more time going back to view current indoor temperature.

Note: The Max. & Min. Temperature will be automatically reset to current temperature at 0:00 everyday.

Weather Trend

The unit will predict the weather trend, see following diagram for different trend.



Temperature
is increasing



Temperature
is steady



Temperature
is decreasing

Battery Low Detection

Indoor main unit:

If the battery low icon  shows on main unit LCD **Indoor Temp. Display Area**, replace 4 pcs 1.5V "AAA" size or UM-4 fresh batteries in the **clock battery compartment** of the main unit.

New battery installation will reset all data in the main unit including the outdoor temperature data. After battery installation, the unit will capture outdoor temperature data transmitted from the outdoor transmitter within 5 minutes and updated temperature reading will be displayed again.

Outdoor Transmitter:

If the battery low icon  shows on main unit LCD **Outdoor Temp. Display Area**, replace 3 pcs 1.5V "AAA" size or UM-4 fresh batteries of the Outdoor Transmitter.

If we replace the battery of the outdoor transmitter only, we also need to press the **SYNC** button from the main unit to capture updated data transmitted from the outdoor transmitter. The outdoor temperature reading will appear on display within 5 minutes.

Specifications

Power Supply

Outdoor Transmitter:	Battery AAA x 3 (not included)
Main unit Radio:	Battery AA x 4 (not included)
Main unit Clock :	Battery AAA x 4 (not included)

Frequency Range

AM:	530-1710kHz
FM:	88-108MHz

Recommended Operating Temperature

Outdoor Transmitter:	14°F to 140°F (-10°C to +60°C)
Indoor main unit:	32°F to 113°F (0°C to +45°C)

Care and Maintenance

Do not subject the unit to excessive force, shock, dust or extreme temperature.
Do not tamper with the unit's internal components.
Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.
Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.