

# SHARPER IMAGE®

## Weather Projection Clock

Item No. 203239

### Instruction Guide

Thank you for purchasing the Sharper Image Weather Projection Clock. Please take a moment to read this guide and store it for future reference. If you have any questions about your Weather Projection Clock, please call Customer Service at 1 (877) 714-7444 and select Option 3. PLEASE NOTE: Your version is the WWVB version, which is designed for use in the U.S.

#### GETTING STARTED

##### Before using the main unit and transmitter:

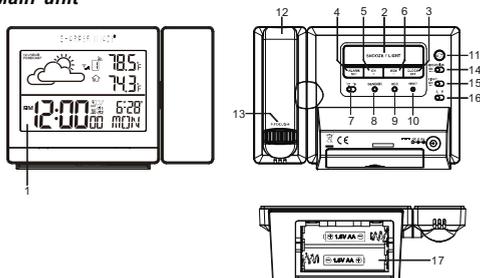
1. Remove the battery door of the main unit and transmitter.
2. Insert 2 new AA size batteries for both main unit and transmitter, according to the polarity mark on the battery compartment.
3. Replace the battery door.
4. After the batteries are inserted, all LCD segment will be shown.
5. Press the "RESET" key of main unit first, then press the "RESET" key of transmitter.
6. It will automatically receive 433 MHz signal from transmitter for channel test in 8 seconds.
7. After 5 minutes channel test, it will turn to RC signal reception automatically.
8. Radio Controlled function, the current time & date synchronized automatically with the time signal transmitted from USA(WWVB).

##### Note:

1. The unit can operate up to 3 remote transmitters.
2. Position the unit and transmitter within the effective transmission range: 50 meters in usual circumstances.
3. In some cases, you may not receive the signal immediately, you can reset the unit and transmitter again as described above.

#### MAIN FEATURES

##### Main unit



1. LCD display
  - Display of the Time, Alarm time/Date, indoor&outdoor Temperature and Weather forecast.

##### 2. SNOOZE/LIGHT key

- Press it to turn on the backlight and projector.
- When the alarm is sounding, press it to stop the current alarm and activate snooze.

##### 3. CLCOK SET key

- Press it to switch between Alarm1/Alarm2/Date mode.
- Press and hold it for 2 seconds to enter time setting mode.
- In time setting mode, press it to step the setting item. Or press and hold it for 2 seconds to save and exit the setting.

##### 4. ALARM SET key

- In Date mode, press it to turn on/off Alarm 1&Alarm2.
- In Alarm 1 mode, press it to turn on/off Alarm1.
- In Alarm 2 mode, press it to turn on/off Alarm2.
- In Alarm1/Alarm 2 mode, press and hold it for 2 seconds to enter Alarm 1/Alarm2 setting mode.
- In Alarm setting mode, press it to step the setting item, or press and hold it for 2 seconds to exit the setting.

##### 5. CH/+ key

- In normal mode, Press it to select channel 1/2/3.
- Press and hold it for 2 seconds to turn to channel auto-change mode. Press it again to return to normal mode.
- In setting mode, press it to adjust the value of flashing digit upward. And press it without releasing to speed up the adjusting.

##### 6. MEM/- key

- Press it to check the Max./Min. indoor&outdoor temperature records for 5 seconds.
- In record mode, press and hold it for 2 seconds to delete the Max.&Min. records.
- In setting mode, press it to adjust the value of flashing digit downward. And press it without releasing to speed up the adjusting.

##### 7. °C/°F key

- Select temperature unit between °C/°F.

##### 8. SENSOR key

- Press it to start current 433 MHz channel test for main unit & transmitter.
- During the channel test, press and hold it for 3 seconds to manual turn off the display of channel test.

##### 9. RECEIVE key

- Press and hold it for 8 seconds to turn on/off RC function.
- When the RC function is ON, press it to turn on/off manual reception for RC signal.

##### 10. RESET key

- In case of mal-function, press it by using a metal pin to reset all the values.

##### 11. REVERSE key

- Press it to reverse the projected data.

##### 12. Projector

- Project the temperature and weather forecast indicator.

##### 13. FOCUS knob

- Adjust the quality of the projected data.

##### 14. PROJECTION ON/OFF slide switch

- This function only applicable when powered by DC adaptor.*
- Slide to ON position to keep projection continuous ON or vice versa.

##### 15. LIGHT ON/OFF slide switch

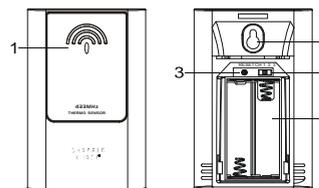
- This function only applicable when powered by DC adaptor.*
- Slide to ON position to keep backlight continuous ON or vice versa.

##### 16. L/H slide switch

- Set backlight brightness.*
- Slide to L position for dimmer backlight.
  - Slide to H position for brighter backlight.

##### 17. Battery compartment

#### TRANSMITTER:



1. LED indicator
  - Flashes when the remote unit transmitting a reading.
2. CHANNEL slide switch
  - Assign the transmitter to Channel 1, 2 or 3.
3. RESET key
  - Press it to reset the transmitter.
4. Wall-mounting holder
  - Use it to support the transmitter on the wall.
5. Battery compartment

#### SIGNAL STRENGTH INDICATOR

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



If the RC clock receives signal successfully, a sync-time symbol "☀" will appear on the LCD. The unit has already received the time signal. Otherwise the signal strength symbol will disappear from the LCD display.

##### Note:

You may press "RCC" key to receive the time signal manually. The receive mode will be off automatically after 6-16 minutes. Receive mode consumes more battery power that may reduce battery lifetime.

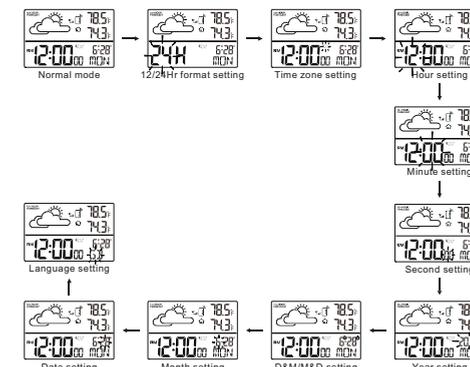
#### DAYLIGHT SAVING TIME(DST)

The clock has been programmed to automatically switch when daylight saving time is in effect. Your clock will display "DST" on the LCD during the summer.

#### TIME AND CALENDAR SETTING

If the clock does not receive the time signal successfully, you can set the time manually. As soon as the transmitter is received again, the clock will automatically synchronize with the received time.

1. In normal mode, press and hold "CLOCK SET" key for 2 seconds until the Hour format digit flashing.
2. Press "+" / "-" key to select 12/24 hour format.
3. Press "CLOCK SET" key again to step the setting item to Hour with the Hour digit flashing.
4. Press "+" / "-" key to adjust the value of the flashing digit.
5. Do the above operation in this sequence:  
WWVB version: 12/24 Hr > Time zone > Hour > Minute > Second > Year > D&M/M&D > Month > Date > Language.
6. Press and hold "DISPLAY SET" key for 3 seconds to save and exit the setting.



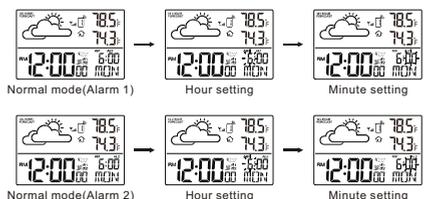
##### Note:

If your local time is different from the RC received time, you can set the desired time zone.

For WWVB version, the default time zone is Pacific. If your location is out of the time zone, you can select the desired time zone. There are four time zones to select: P=Pacific, M=Mountain, C=Central, E=Eastern.

#### ALARM TIME SETTING

1. In normal mode, press "CLOCK SET" key to select Alarm1/Alarm 2 mode.
2. In alarm 1/alarm 2 mode, press and hold "ALARM SET" key for 2 seconds to enter alarm time setting mode with the Hour digit flashing.
3. Press "+" / "-" key to adjust the value of flashing digit.
4. Press "ALARM SET" key again to step the setting item to Minute with Minute digit flashing. And press "+" / "-" key to adjust the value of flashing digit.
5. Press "ALARM SET" key again to save and exit the setting.



**Note:**

1. The alarm will automatically turn on when you set the alarm time with the icon "1" or "2" displayed.
2. The dual-alarm (ALM1&ALM2) design of this unit will provide you with more convenience, and you can set two-alarm time if needed.

**USING ALARM & SNOOZE FUNCTIONS**

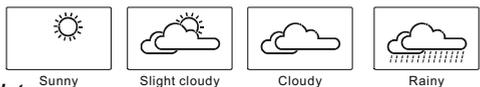
1. Set the alarm time as described in the previous section.
2. In normal mode(Date mode), press "ALARM SET" key once to turn on ALM1, press it second time to turn on ALM2, press it third time to turn on both ALM1 and ALM2, with the bell icons display on the LCD. Press it again to turn off both ALM1 and ALM2, with the icons disappearing.
3. In ALM1/ALM2 mode, press "ALARM SET" key to turn on/off ALM1/ALM2.

**Note:**

1. If no key is pressed during the alarm period, the alarm will turn off automatically. You can also press "SNOOZE/LIGHT" key to stop the current alarm and enter snooze with the bell icon keep flashing.
2. Once the snooze function is turned on, the 4-step crescendo alarm will sound in 5-minute interval. The alarm duration is 120 seconds.
3. The snooze function won't stop unless you press "ALARM SET" key to turn off the alarm and snooze.

**ABOUT THE WEATHER INDICATOR**

The built-in barometer can notice atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12-24 hours.



**Note:**

1. The accuracy of a general pressure-based weather forecast is about 70% to 75%.
2. The weather forecast is meant for the forthcoming 12-24 hours. It may not necessarily reflect the current situation.

**VIEW THE CHANNEL**

1. The defaulted displayed channel is channel 1. In normal mode, press "CH/+" key to check the outdoor temperature from channel 1 to channel 3.
2. Press and hold "CH/+" key for 2 seconds to turn to channel auto-change mode that the channels change automatically.
3. Press "CH/+" key again to return to normal mode.



**Note:**

In channel auto-change mode, channels change automatically in every 4 seconds.

**READING INDOOR&OUTDOOR TEMPERATURE RECORDS**

1. Slide "C/°F" switch to change the temperature unit to Celsius or Fahrenheit. (For WWVB version, the defaulted temperature unit is °F)
2. Press "CH/+" key to change the channels among 3 channels and check their temperature.

**Note:**

1. Once the channel is assigned to one transmitter, you can only change it by removing the batteries or resetting the unit.
2. If no signals are received or the transmission is interfered, "—" will appear on the LCD.
3. Relocate the clock or the transmitter in other positions and make sure the transmission is within the effective range of 50 meters approx.
4. After several trials in vain, please reset the clock thoroughly. Try out where your multifunctional alarm clock receives the signals best.

**CHECKING AND DELETING MAX./MIN. TEMPERATURE AND THE DATE&TIME RECORDS**

1. Press "MEM/." key to check the maximum / minimum outdoor/indoor temperature and the date&time records for 5 seconds.
2. Press and hold the "MEM/." key for 3 seconds to delete the maximum and minimum temperature records.

**Note:**

Once you reset or re-install batteries for the main unit, all the value will be defaulted.

**ICE ALERT**

1. When the outdoor temperature within the range of -2°C~3°C (28°F~37°F), the Ice Alert icon "❄" will display on LCD & flashing continuously.
2. Ice Alert icon "❄" will disappear when outdoor temperature out of above temperature range.



**USING THE PROJECTOR AND BACKLIGHT**

**A. When the clock is powered by battery:**

1. When the clock is powered by battery, press "SNOOZE/LIGHT" key to turn on the projector and backlight for 5 seconds.
2. Or press and hold "SNOOZE/LIGHT" key for 4 seconds to turn on the projection for 30 minutes. During the projection, press the "SNOOZE/LIGHT" key again to turn off the projection.

**B. When the clock is powered by DC adaptor:**

3. Slide the "PROJECTION ON/OFF" switch to ON

position, the projection will be on all the time, or slide it to OFF position to return to normal mode(Like section A).

4. Slide the "LIGHT ON/OFF" switch to ON position, the backlight will be on all the time, or slide it to OFF position to return to normal mode(Like section A).

**Note:**

1. During the projection, press the "↺" key will reverse the projected data.
2. The rotate angle of the projector is ±90°.
3. Adjust the quality of the projected data by adjusting the FOCUS knob.

**BATTERY REPLACEMENT**

When the LCD becomes dim, replace with 2 AA size batteries at once; while if the low battery indicator "⊗" displays in the outdoor window, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 AA size batteries at once.

**Note:**

Attention! Battery shall not be exposed to excessive heat such as sunshine, fire or the like. Please dispose of used unit or batteries in an ecologically safe manner.

**SUGGESTION**

1. Everyday the unit will automatically search for the time signal at 2:00, 8:00, 14:00 and 20:00.
2. Always place the unit away from interfering sources such as TV set, computer, etc.
3. Avoid placing the unit on or next to metal plate.
4. Closed area such as airport, basement, tower block or factory is not recommended.
5. Do not start reception on a moving article such as vehicle or train.



**SPECIFICATION**

|                                |                              |
|--------------------------------|------------------------------|
| <b>MAIN UNIT</b>               |                              |
| Temperature measurement range: | -40.0~70.0°C (-40.0~158.0°F) |
| Recommended operating range:   | 0~45.0°C (32.0~113.0°F)      |
| Resolution:                    | 0.1°C/°F                     |
| Radio Controlled signal:       | WWVB                         |
| <b>REMOTE SENSOR</b>           |                              |
| Temperature measurement range: | -40.0~70.0°C (-40.0~158.0°F) |
| Recommended operating range:   | -20.0~55.0°C (-4.0~131.0°F)  |
| Resolution:                    | 0.1°C/°F                     |
| RF transmission frequency:     | 433 MHz                      |

|                            |                     |
|----------------------------|---------------------|
| RF transmission range:     | Maximum 50 meters   |
| No. of remote sensor:      | Up to 3 units       |
| Temperature sensing cycle: | Around 60~64seconds |

**POWER**

|                |                           |
|----------------|---------------------------|
| Main unit:     | 3V, use 2×AA 1.5V battery |
| Remote sensor: | 3V, use 2×AA 1.5V battery |

**DIMENSION**

|                |                      |
|----------------|----------------------|
| Main unit:     | 130(W)×90(H)×47(D)mm |
| Remote sensor: | 65(W)×100(H)×35(D)mm |

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**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.

**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, uses 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 this equipment does 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- Consult the dealer or an experienced radio/TV technician for help.

**Responsible Party in USA**

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