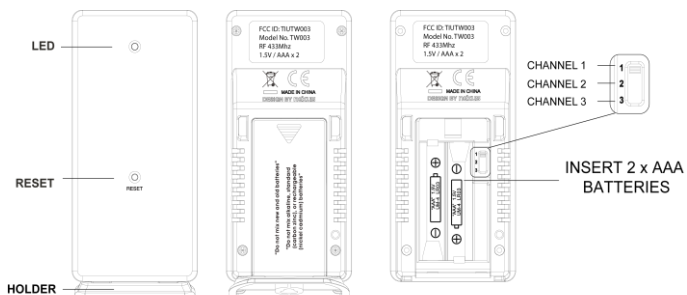
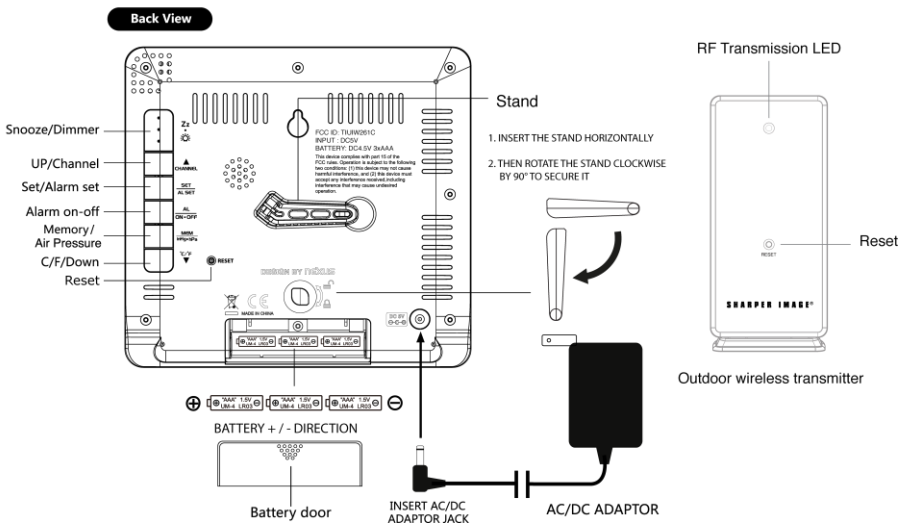
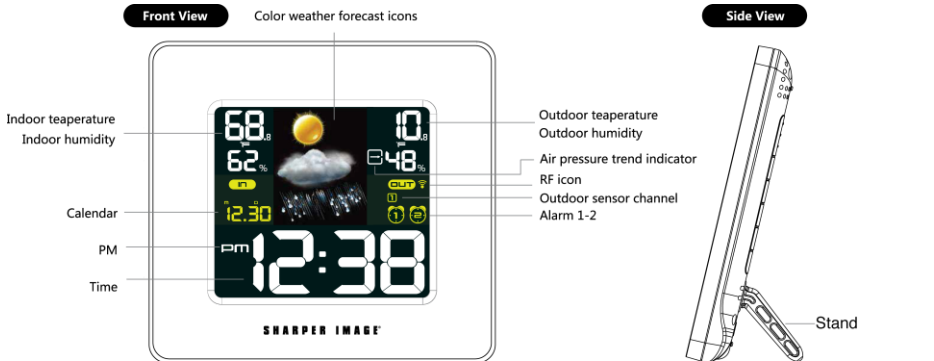


# INSTRUCTION MANUAL

## COLOR WEATHER FORECAST STATION



WIRELESS OUTDOOR TRANSMITTER

## FEATURE LIST

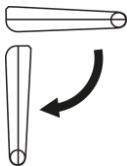
- 4.7" / 120mm (diagonal) display with 1.1" time digits
- Alarm 1 and Alarm 2
- Programmable Snooze 5-60 minutes
- Dimmer for nighttime viewing
- Color forecast : Sunny, Partly Cloudy, Cloudy, Rainy, Stormy
- 12-hour forecast based on changing air pressure
- Tendency indicator of weather forecast
- Indoor-outdoor temperature and humidity (RH%)
- Max-Min records of temperature and humidity
- Month-Date Calendar interchangeable with Air pressure readout (inHg)
- Degree C/F readout
- 12/24 hour time format
- 433Mhz wireless outdoor transmitter (one transmitter is included)
- Up to 50-meter transmission of outdoor temperature and humidity
- Auto scrolling of outdoor temperatures and humidity of up to three transmitters
- Low battery indicator of outdoor transmitter
- Can expand to use with two additional outdoor transmitters (purchase separately)
- Main unit powered by external AC/DC adaptor
- Batteries : 3 "AAA" alkaline for backup of the main weather station (not included)  
: 2 "AAA" alkaline for outdoor transmitter (not included)

## QUICK SETUP

### Step 1: Power up your weather station

Insert the AC/DC adaptor to any 120V AC household outlet. Then insert the DC jack to the back case of your unit.

Take out the stand at the back case and insert it horizontally to the back case, then rotate it by 90 degree to secure it to the back case.



### Step 2: install batteries to your outdoor transmitter

Keep your weather station and wireless outdoor transmitter next to each other. Slide open the battery cover at the back of your wireless outdoor transmitter, then insert 2 x AAA alkaline batteries to the battery compartment. Make sure the Channel selector is at **1** position. Replace the battery cover.



Remark : Make sure **1** (Channel 1) is displayed under the outdoor temperature and humidity. You could press **▲ / CHANNEL** to select Channel 1.

Your weather station will receive data signal from the outdoor transmitter in few seconds. Then place your outdoor transmitter in a dry and shaded area.



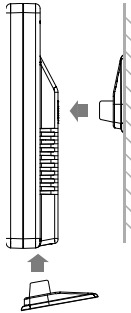
power to it in the event of a

1. Place your unit face down on a flat surface.
2. Slide and remove the battery cover at the bottom of your unit.
3. Insert 3 “AAA” alkaline batteries into the battery compartment by observing the “+” and “-” polarity as indicated.
4. Replace the battery cover.

If the AC main power is interrupted, the backlight will go off. The backup batteries will keep the time and all settings of your unit. Press   once to turn on the backlight for 5 seconds.

#### Remarks:





Keep in mind that your outdoor transmitter has a 180-ft open air transmission with no obstructions. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.



Insert the holder to the bottom of the outdoor transmitter for desktop or insert it to the back of the transmitter for wall mount purpose.

## TO SET YOUR UNIT MANUALLY

The setting of your unit comes into the sequence of 12/24 hour, hours, minutes, year, month, date, month-date/date-month display and snooze duration.

1. Press and hold  for 2 seconds, time digits change to “12Hr” and flash. Press ▲ or ▼ to select “24 Hr” time format if need. When 12Hr time format is selected, **PM** indicator will be displayed.
2. Then press  once again, “12” the hour digits flash. Press ▲ or ▼ button to set the hours. Press and hold ▲ / ▼ will accelerate your setting faster.
3. Then press  once again, “00” the minute digits flash. Press ▲ or ▼ button to set the minutes. Press and hold ▲ / ▼ will accelerate your setting faster.
4. Then press  once again, “Yr” and “2013” digits flash. Press ▲ or ▼ button to set the year.



5. Then press **SET** **AL SET** once again, month digits flash. Press ▲ or ▼ button to set the month.

6. Then press **SET** **AL SET** once again, date digits flash. Press ▲ or ▼ button to set the date.

7. Then press **SET** **AL SET** once again, “m”, “d”, month-date digits flash. Press ▲ or ▼ to select month-date “m” “d” or date-month “d” “m” calendar display.



8. Then press **SET** **AL SET** once again, “SN” and “05”. Press ▲ or ▼ button to set the snooze duration from 5 minutes to 60 minutes.



9. Press **SET** **AL SET** to return to normal mode, or it will return to normal mode in around 10 seconds if no further press of any other buttons.

## TO SET ALARM TIME

1. Press **SET** **AL SET** once, time digits change to alarm time digits “6:00” and “A1”. Then press and hold **SET** **AL SET** for 2 seconds, the alarm hour digits flash. Press ▲ or ▼ to set the hours of your desired alarm time.




2. Then press **SET** **AL SET** once again, the alarm minute digits flash. Press ▲ or ▼ button to set the minutes of your desired alarm time.



3. Press **SET** **AL SET** once, time digits change to alarm time digits “6:00” and “A2” is displayed. Then repeat the above in Alarm 1 setting.





3. Your weather station will return to normal mode, or it will return to normal mode in around 10 seconds if no further press of any other buttons.




### TO TURN ON OR OFF YOUR DAILY ALARM




Simply press  to turn on or off the Alarm 1, Alarm 2, or Alarm 1 & 2.

When Alarm 1 is turned on, the  appears. When Alarm 2 is turned on, the  appears.

### TO USE SNOOZE ALARM


When time reaches your set alarm time, your weather station will give a beep sound to wake you up. The corresponding  or  will flash.

1) Press  once to stop the alarm temporarily, the corresponding  or  keeps flashing. The alarm will beep again according to your set snooze duration.


2) When the alarm is sounding, press  once, the alarm beep will stop,  or  become static, alarm will beep again at the same time next day.

Alarm Duration: 2 minutes

### TO USE THE DIMMER

Press  button once to adjust the display brightness for nighttime viewing.

### TO DISPLAY TEMPERATURE IN DEGREE °C OR °F




Simply press  to display temperature in degree °C or degree °F.




### WEATHER FORECAST AND PRESSURE TREND INDICATOR

Your weather station has a built-in barometric sensor which measures the change of the air pressure over time. Your weather station takes around 12 hours to gather and average air-pressure readings to provide a weather forecast for next 12 hours.


### WEATHER ICONS


There are five possible types of weather icons that will be displayed:


SUNNY	
SUNNY AND CLOUDY (PARTLY SUNNY)	
CLOUDY	

RAINY	
STORMY	
FROST ALERT	 Frost Alert Icon appears when outdoor temperature is below +3°C

## AIR PRESSURE TENDENCY INDICATORS

When the  arrow appears, the air pressure is increasing, the weather is expected to improve.



When the  arrow appears, the air pressure is decreasing, the weather is expected to become worse.

When the  arrow appears, the air pressure change is stable.


Remarks: Moving your weather station from one floor of a building to another floor will affect the accuracy of your weather station, which should operate at the same altitude all the time. If you move it to a new location, it will take 12 hours to get stable and accurate again.


Our weather station provides next 12-hour weather forecast. It may not match with the current weather condition outside.

## TO DISPLAY AIR PRESSURE READOUT



Press and hold  until the calendar display shows the air pressure readout in inHg. Press and hold  again to revert back to calendar display.

## TO READ MAXIMUM-MINIMUM IN-OUT TEMPERATURES AND HUMIDITIES

Simply press the  to view the maximum indoor-outdoor temperatures and humidities records with "MAX" icons appearing on the display. Press again to view the minimum indoor-outdoor temperatures and humidities and the air pressure with "MIN" icons appearing on the display.





When the maximums or minimums are displayed, press and hold the  to reset both records and it will start to record the maximums and minimums again.

## IF YOU LOSE THE OUTDOOR TEMPERATURE AND HUMIDITY





When the outdoor temperature and humidity digits show '---', the wireless transmission is either interrupted or lost. Press and hold the  / CHANNEL button to start searching for the signal from the outdoor transmitter with the  flashing.



If you continue to lose the outdoor temperature and humidity display, which could happen in extreme cold weather, try placing the transmitter in a different location until you have smooth transmission of temperature / humidity data.

## HOW TO SYNCHRONIZE YOUR WEATHER STATION WITH ANOTHER OUTDOOR TRANSMITTER


1. Press **▲ / CHANNEL** at the back of your weather station,  icon appears under your outdoor temperature and humidity.
2. Press and hold **▲ / CHANNEL** until the  icon blinks, your weather station is searching for the signal of another outdoor transmitter at Channel 2.
3. Slide open the battery door of your second transmitter, slide the switch to the middle position marked with **2**, then insert two AAA batteries into the battery compartment by observing the correct +/- polarity. Replace the battery cover.
4. The outdoor temperature and humidity of your second transmitter will appear on the LCD together with  icon within few seconds. If the data still does not appear, press **RESET** at the front of your second transmitter once.
5. To synchronize your weather station with a third outdoor sensor, repeat the same step by choosing  on your weather station and select **3** on your third transmitter.

## AUTO SCROLLING THE OUTDOOR TEMPERATURE AND HUMIDITY OF DIFFERENT TRANSMITTER

Press **▲ / CHANNEL** one at a time until the  icon flashes. Then the outdoor temperature and humidity of different outdoor transmitter will be displayed for few seconds alternately with , ,  flashing.

To stop the auto scrolling, press **▲ / CHANNEL** once to go back to constant display of the temperature and humidity of the  transmitter, the  icon remains static on the display.

## LOW BATTERY INDICATION OF YOUR OUTDOOR TRANSMITTER

The  icon will appear to indicate the battery level of your outdoor transmitter is getting low. You may need to replace the batteries of your outdoor transmitter with new ones.

Extreme cold weather (e.g. below 14 °F) will also cause low battery voltage.

## TROUBLESHOOTING

In case your weather station clock shows irrelevant information or digits, it maybe affected by electrostatic discharge or interferences from other devices. Use a sharp object to press **RESET**. Your unit will be reset to default settings and you need to set the time, calendar and alarm time again.

<b>Problem</b>	<b>Solution</b>
LCD is blank	<ol style="list-style-type: none"> <li>1. Press <b>RESET</b> on the main unit.</li> <li>2. Replace fresh batteries in your weather station.</li> </ol>
No Outdoor Temperature and Humidity is displayed	<ol style="list-style-type: none"> <li>1. Press and hold ▲/ <b>CHANNEL</b> on the weather station.</li> <li>2. Press and hold ▲/ <b>CHANNEL</b> then press <b>RESET</b> on the outdoor transmitter.</li> <li>3. Make sure the correct channel is selected on your weather station (default setting is <b>1</b> – Channel 1)</li> <li>4. Observe if the Low Battery icon appears on the left of the outdoor temperature. If yes, replace batteries in outdoor sensor with fresh alkaline batteries.</li> <li>5. No other interfering sources are being used (such as computer monitors, TV sets, headphones, or speakers) in the path of signal from the outdoor sensor. The signal travels in a straight line, an electrical source near that "line" may cause interference.</li> </ol>
Temperature, humidity, or air pressure is incorrect	<ol style="list-style-type: none"> <li>1. Press <b>RESET</b> on the main unit.</li> <li>2. Make sure your main unit and the outdoor transmitter is away from sources of heat / cold / direct sunshine.</li> </ol>

### **CARE OF YOUR WEATHER SATATION CLOCK**

1. Do not expose the unit to extreme temperature, water or direct sunlight.
2. Avoid contact with any corrosive materials.
3. Do not subject the unit to excessive force, dust or humidity.
4. Do not open the inner back case or tamper with any components of this unit.
5. Do not plug in any other AC/DC adaptor with incorrect specifications or voltage.

### **SPECIFICATIONS:**

#### **Temperature Range**

Indoor +32°F to +122°F (0°C to +50°C) (display shows HH.H / LL.L if out of this range)

Outdoor -58°F to +158°F (-50°C to +70°C) (display shows HH.H / LL.L if out of this range)

#### **Humidity Range**

Indoor 20% - 95%

Outdoor 20% - 95%

Temperature Resolution 0.2°F / 0.1°C

RH% Resolution 1%

Temperature & Humidity measure every 30 seconds

RF Transmission distance up to 180 feet line-of-sight distance

Alarm Duration 2 minutes

Snooze Duration 5 minutes

### **FCC Disclaimer**

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.



**Words in the figure:**

<b>Figure 1:</b>	<b>ENGLISH</b>	<b>Other Language</b>
	Outdoor humidity	
	Outdoor sensor channel 1/2/3	
	Max / Min temperature & Humidity data	
	Outdoor temperature	
	Outdoor sensor low battery icon	
	Barometric Pressure	
	Weather forecast	
	Storm warning icon	
	Indoor humidity	
	Frost alarm icon	
	Indoor temperature	
	Alarm 1	
	Alarm 2	
	Month/Day/Date	
<b>Figure 2:</b>	<b>SNOOZE / BACKLIGHT</b>	
	▲ / CHANNEL	
	SET / ALARM SET	
	ALARM ON/OFF	
	MEMORY	
	▼ (°C/°F)	
	RESET	
	BATTERY / BATTERY COVER	
	HANGING HOLE	
	STAND	
	DESK STAND SLOT	
<b>Figure 3:</b>	<b>OUTDOOR TRANSMITTER</b>	
	LED INDICATOR	
	RESET	
	BATTERY COVER	
	CHANNEL 1,2,3 SELECTOR	
	FOOT / HANGER	