

First Alert®

RADIO CONTROLLED WIRELESS WEATHER STATION



USER MANUAL SFA2700

PLEASE READ THIS USER MANUAL COMPLETELY BEFORE
OPERATING THIS UNIT AND RETAIN IT FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. However, improper use can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference. Take special note of all warnings listed in these instructions and on the unit.

1. Read these instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Keep these instructions – The safety and operating instructions should be kept for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operation and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
6. Clean only with dry cloth – The appliance should be cleaned only as recommended by the manufacturer.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Only use attachments / accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
10. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
11. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
12. Do not attempt to dismantle, open or repair this product yourself. If a fault occurs, seek advice from your local qualified service technician or contact the distributor via the telephone number at the back of this instruction manual.
13. Caution marking and nameplate are located on back of product.

COMPLIANCE WITH FCC REGULATIONS

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.

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 connected.
- Consult the dealer or an experienced radio/TV technician for help.

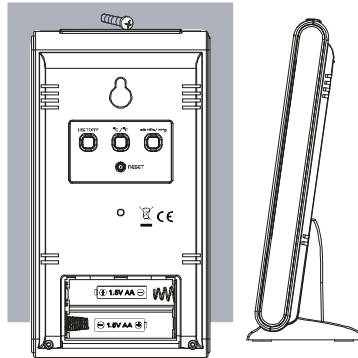
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PROTECT YOUR FURNITURE

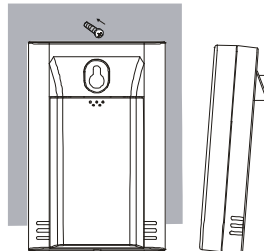
This model is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

PLACEMENT OF YOUR WEATHER STATION

The receiver (main unit) has both desktop and wall-mounting options. For wall mounting, insert a screw (not included) on the desired wall and hang the main unit by using the wall mount keyhole located on the back of the unit. The main unit can also be placed on a flat surface, like on a desktop or table using the included magnetic table stand.



The transmitter (remote sensor), has both wall-mounting and flat surface mounting options. For wall mounting (recommended), insert a screw (not included) on the desired outside wall and hang the remote sensor by using the wall mount keyhole located on the back of the unit. The remote sensor can also be placed outdoors on a flat surface, like on a deck or table.



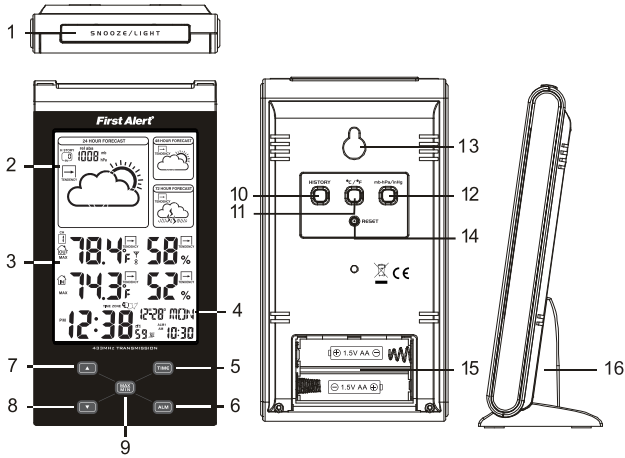
NOTE:

1. If using the wall-mounting feature, make sure the wall is firm and stable.
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. Mounting near areas like airports, in basements, radio or cell towers or near alarm systems is not recommended.
5. Do not start reception on a moving vehicle.
6. The main unit is for indoor use only.
7. When using the remote sensor outdoors, always place the remote sensor in a location protected from direct sunlight, rain, moisture, splashing and dripping liquids.



LOCATION OF CONTROLS

MAIN UNIT



1. SNOOZE/LIGHT Button:

- In normal clock mode, press it to turn on the display backlight for 5 seconds.
- When Alarm is sounding, press it to temporally suspend the alarm sound and enter snooze mode.

2. Weather forecast window:

- Shows the weather forecast for the next 24 to 72 hours.

3. Temperature window:

- Shows the indoor and outdoor temperature and humidity.

4. Calendar window:

- Displays the current time, month, date, day of the week and alarm time.

5. TIME key:

- Tap to select Alarm1 or Alarm2
- Press and hold for 2 seconds to enter normal time setting mode.
- In normal time setting mode, tap to advance to the next step.

6. ALARM key:

- In normal time mode, tap it to turn Alarm 1 and Alarm 2 ON/OFF. Press and hold for 2 seconds to enter alarm time setting mode.
- In alarm setting mode, tap to advance next step.

7. ▲UP key:

- Tap to select the channel 1, 2 or 3 to receive data from remote sensor. Press and hold to auto scan 3 channels.
- In setting mode, tap to increase the setting value. Press and hold to speed up the forward scanning of the digits.

8. ▼DOWN key:

- Tap to switch between 12 and 24 hour format.
- In Channel selection mode, press and hold to reset and start receiving remote sensor signal.
- In setting mode, press it to decrease the setting value. Press and hold to speed up the backward scanning of the digits.

9. **MAX/MIN** key:

- Tap to check the maximum/minimum temperature & humidity records.
- Press and hold for 3 seconds to delete the maximum and minimum records.

10. **HISTORY** button:

- Press to check the pressure records in the past 24 hours.

11. **°C/°F** button:

- Tap to switch between Celsius and Fahrenheit.
- Press and hold it for 3 seconds to receive the RC signal for reception testing.

12. **mb-hPa/inHg** button:

- Tap to switch between **mb-hPa** and **inHg**.
- Press and hold it for 3 seconds to enter the “**rel**” and “**abs**” switch mode.

13. WALL-MOUNTING KEYHOLE

14. **RESET** key:

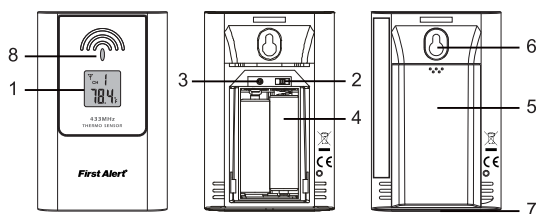
- Press it to reset all values to default values.
- In case of malfunction, the unit may be required to reset.

15. BATTERY COMPARTMENT:

- Holds 2 x AA size batteries (not included): Alkaline batteries recommended.

16. MAGNETIC TABLE STAND

REMOTE SENSOR



1. LCD

- Displays the current temperature and humidity levels monitored by the remote unit

2. **CHANNEL SLIDE SWITCH**:

- Assign the transmitter to Channel 1, 2 or 3.

3. **RESET** button

4. Battery compartment:

- Holds 2 x AA size batteries (not included): Lithium batteries are recommended.

5. Battery door

6. WALL-MOUNTING KEYHOLE

7. Built-in Stand

8. Transmitting LED indicator

- Flashes when the remote sensor is transmitting data to the main unit.

POWER SOURCE

Both main and remote sensor are powered by 2 X AA batteries (not included) respectively.

MAIN UNIT

1. Open the Battery Door on the back of the main unit.
2. Following the polarity (+ and -) diagrams shown inside the battery compartment, insert 2 'AA' (UM-3) batteries (not included).

Note: For best performance, alkaline-type batteries are recommended.

3. Replace the Battery Door.

IMPORTANT: Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.

REMOTE SENSOR

1. Open the Battery Door on the back of the remote sensor.
2. Following the polarity (+ and -) diagrams shown inside the battery compartment, insert 2 'AA' (UM-3) batteries (not included).

Note: For best performance, especially in sub-zero temperatures, lithium type batteries are recommended. Avoid placing the transmitter in direct sunlight, rain or snow.

3. Replace the Battery Door.


IMPORTANT: Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.

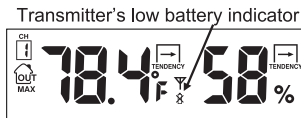
⚠ BATTERY NOTE AND CARE

- Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- If the unit is not to be used for an extended period of time, remove the battery. Any old or leaking battery can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, batteries may explode or leak.
- Do not try to recharge batteries not intended to be recharged; they can overheat, rupture and leak(Follow battery manufacturer's directions).
- Only an adult should replace the batteries

LOW BATTERY INDICATOR

When the main unit LCD becomes dim, replace with 2 new AA size batteries (not included) in main unit compartment at once.

If the low battery indicator  displays in the outdoor temperature window, it indicates that the battery power of the transmitter is low, and you should replace the 2 x AA size batteries (not included) in remote sensor battery compartment at once.



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

CLOCK AND CALENDAR SETTING

The time on this unit can be set manually or automatically when it's receiving the WWVB signal broadcasted by NIST radio station.

AUTOMATIC TIME SETTING

Radio Controlled Clock Receiving

The time and date are radio-controlled. The current time and date are automatically synchronized with the time signal broadcasted by NIST radio station.

1. When used for the first time (after inserting the batteries or pressing the “**RESET**” button), the clock will start to receive the RCC signal reception in 5 minutes with the signal strength indicator flashing.
2. To enter RCC receiving mode immediately, press and hold the °C/°F button on back panel of main unit for 3 seconds. The RCC receiving signal indicator will appear on display and the unit starts receiving the RCC signal.

Signal Strength Indicator

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality could be classified into three types:

		
Weak signal quality	Acceptable signal quality	Excellent signal quality

NOTE:

Everyday the unit will automatically search for the time signal at 2:00 and 8:00 AM/PM

NOTE:

Please check the following if you are having problems getting the clock to set automatically:

- If you are using batteries, check them and replace if necessary.
- Try rotating the main unit 90 degrees or relocate it to another location opposite where you have it placed. The antennas are directional and you might be able to improve the signal strength by turning the antenna.
- Place the SFA2700 along a wall or near a window that faces the source of the broadcast (Fort Collins, Colorado).
- Relocate the clock at least 3-6 feet away from any computer monitors, which can cause interference (some monitors have a scan frequency at or near the WWVB carrier frequency of 60 kHz).
- If nothing else works, take the clock outdoors at night and power it down (remove the batteries and unplug it), then power it up again to force it to look for the WWVB signal. If the unit works outdoors but not indoors, you probably have a local interference problem inside your house or building.

The shielding provided by a metal building might prevent the clock from working. For example, if you live in a mobile home or a house with steel siding, the clock might not work because the signals are being blocked.

MANUALLY SETTING THE TIME & CALENDAR

If you are out of the broadcast reach of the RCC radio station or if the reception is not strong enough, the time can be set manually.

Setting Time Zone

1. In clock display mode, press and hold the TIME key for 2 seconds until the TIME ZONE map is flashing.
2. Tap the UP/DOWN key to select the proper time zone listed below.
Pacific Time (**P**) → Mountain Time (**M**) → Central Time (**C**) → Eastern Time (**E**)

Setting Calendar

1. Tap the TIME key after the time zone is set, Year digits flashing to prompt for input.
2. Tap the UP/DOWN key repeatedly to set the year.
3. Tap the TIME key after the year is set, Month digit flashing to prompt for input.
4. Tap the UP/DOWN key to change Month.
5. Tap the TIME key to confirm, date digits is flashing to prompt for input.
6. Tap the UP/DOWN key repeatedly to set the date. Press and hold the keys to speed up the forward or reverse scanning of the digits.

Turning DST ON/OFF for RCC reception

7. Tap the TIME key to confirm, DST ON/OFF of radio controlled is flashing.

8. Tap the UP/DOWN key repeatedly to select ON or OFF. Select ON, unit will receive day light saving time automatically. Select OFF, unit will not receive day light saving time.
- Setting Clock**
9. Tap the TIME key to confirm after DST ON/OFF set, hour digit will flash to prompt for input.
 10. Tap the UP/DOWN key repeatedly to set the hour value. Press and hold the keys to speed up the forward or reverse scanning of the digits.
Note: Make sure the hour is set so that the AM or PM indicators are displayed correctly.
 11. Tap the TIME key after the hour is set, Minute digits flashing to prompt for input.
 12. Tap the UP/DOWN key repeatedly to set the minute value. Press and hold the keys to speed up the forward or reverse scanning of the digits.
 13. Tap the TIME key to confirm, Second digits will flash.
 14. Tap the UP/DOWN key to reset Second digits to zero if necessary.
 15. Tap the TIME key again, Language menu for Week date is flashing to prompt for input.
 16. Tap the UP/DOWN key to select the language you want in following sequence.
English (GB) → French (FR) → German (DE) → Spanish (ES) → Italian (IT)
 17. Tap the TIME key to finish the setting.

- NOTE:**
- 1.) As soon as the RCC signal is received again, the clock will automatically synchronize with received time.
 - 2.) DST ON/FF only available in RCC mode but no manually change the time.
 - 3.) The system will save your last change and exit automatically if no key is operated in 30 seconds.
 - 4.) If the unit was reset, you need to set the clock again.

Select 12/24 Hour Format

In clock display mode, tap the DOWN key repeatedly to change clock setting display to 12 or 24 hour format. The default time is set to 12 hour format.

ALARM SETTING

Setting Alarm Time

- In normal clock display mode,
1. Tap the TIME key to select Alarm 1 or 2, corresponding alarm icon ALM 1 and ALM 2 appears in display.
 2. Select the alarm you want to set, press and hold the ALARM key “ALM” for 2 seconds, Hour digits will flash.
 3. Tap the UP/DOWN key repeatedly to set the hour value. Press and hold the keys to speed up the forward or reverse scanning of the digits.
Note: Make sure the hour is set so that the AM or PM indicators are displayed correctly.
 4. Tap the TIME key after the hour is set, Minute digits flashing to prompt for input.
 5. Tap the UP/DOWN key repeatedly to set the minute value. Press and hold the keys to speed up the forward or reverse scanning of the digits.
 6. Tap the TIME key after minute is set, pre-alarm ON/OFF icon appears in display & flashing.
 7. Tap the UP/DOWN key turn pre-alarm ON/OFF and tap the ALM key to finish the setting.
 8. Repeat above step 1 – 7 to set dual alarm if necessary. Tap the TIME key to view the Alarm 1 and Alarm 2 that you have set.
 9. The crescendo Alarm will sound for 2 minutes when set time comes. Tap snooze button to enter SNOOZE mode during alarm sounding. Tap ALM key on front panel to turn off the alarm immediately until next day.

Turn the Alarm ON/OFF

In normal clock display mode, tap the ALM key repeatedly to select different alarm selection mode. Relative Alarm icon 1 or 2 appears in display is turned on.

OFF → ALARM 1 → ALARM 2 → ALARM 1 + ALARM 2

Using the Temperature Pre-Alarm

1. To turn on the temperature pre-alarm, you need to set it when setting the alarm times. Once you step through Alarm 1, and then Alarm 2, OFF or On will display. The relative ALARM must be turned ON, and the snowy icon “❄️” of the pre-alarm appears on display.
2. The temperature pre-alarm will sound 30 minutes earlier than the alarm only when the outdoor temperature is below 26°F (-3°C).
3. If no key is pressed during the alarm sounding period, the alarm will turn off automatically after sounding for 2 minutes.
4. You can also press “SNOOZE/LIGHT” key to stop the current alarm and enter the snooze mode.

SNOOZE

- When the alarm sounds, it can be temporarily stopped by pressing the SNOOZE/LIGHT button, relative alarm icon flashing.
- The alarm will be delayed for 5 minutes and then come again.
- This manual snooze operation can be repeated again and again while alarm sounding.

RELATIVE ATMOSPHERE PRESSURE SETTING

The “rel” indicator in main unit display is the abbreviation of “relative”, which refers to the relative atmosphere pressure based on the sea level; while “abs” is the abbreviation of “absolute”, which means the absolute atmosphere pressure of your location. You can set the relative atmosphere pressure value according to the following steps:

1. Get the atmosphere pressure data of the sea level (it is also the relative atmosphere pressure data of your home area) through the local weather service, internet and other channels.
2. Press and hold “**mb-hPa/inHg**” button on the back panel for 2 seconds until “**abs**” or “**rel**” icon flashes.
3. Press “**UP**”/“**DOWN**” key to switch to “rel” mode.
4. Press “**mb-hPa/inHg**” key once again until the “**rel**” atmosphere pressure digit flashes.
5. Press “**UP**” or “**DOWN**” key to change its value.
6. Press “**mb-hPa/inHg**” key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

- 1.) The default relative atmosphere pressure value is 1013 mb/hPa (29.91 inHg), which refers to the average atmosphere pressure.
- 2.) When you change the relative atmosphere pressure value, the weather indicators will change along with it.
- 3.) The built-in barometer can notice the environmental absolute atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 24-72 hours. Therefore, the weather indicators will change according to the detected absolute atmosphere pressure after you operate the clock for 1 hour.
- 4.) The relative atmosphere pressure is based on the sea level, but it will change according to the absolute atmosphere pressure changes after operating the clock for 1 hour.

WEATHER STATION OPERATION

INDOOR WEATHER MEASUREMENT (MAIN UNIT)

NOTE: The backlight is always off to save battery power. Press the LIGHT/SNOOZE button or any other button/key, and the backlight will turn on for 5 seconds.

Changing the Temperature Display format

Tap the °C /°F button on back panel of main unit to change temperature display format in degree Celsius (°C) or Fahrenheit (°F) mode.

NOTE: This setting is only applicable for the main unit display, but not for the remote sensor.

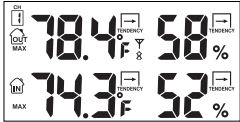
Indoor Weather Measurement

The indoor temperature and humidity is displayed in the Temperature Window on the main unit display.

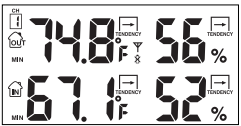
Checking & Deleting Max/Min Temperature & Humidity Record

- 1. Tap the MAX/MIN key once to check the maximum temperature and humidity records. Tap it twice to check the minimum records. Tap it again to exit.
- 2. Press and hold the MAX/MIN for 3 seconds to delete the maximum and minimum temperature & humidity records with a beeping tone.

Max. temp. & humidity record display



Min. temp. & humidity record display



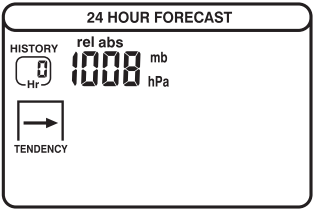
Weather Trend

The temperature-trend, humidity-trend and pressure-trend indicator shows the trends of changes in the forthcoming few minutes. Arrows indicate a rising, steady or falling trend.

Arrow indicator			
Pressure trend	Rising	Steady	Falling

Pressure Records in the Past 24 Hours

The current and historical atmosphere is shown in the 24 HOUR FORECAST window. The atmosphere can be displayed in mb/hPa or inHg by pressing the “mb-hPa/ inHg” button on back panel. To check the pressure history in a particular hour during the past 24 hours, press the “HISTORY” button on back panel repeatedly. Each press on the key will go back by an hour.



OUTDOOR WEATHER MEASUREMENT (REMOTE SENSOR)

This unit includes a remote sensor with display to let you measure outdoor temperature and humidity up to 260 feet away from the main unit. The remote sensor can be used on table or mounted to the wall. The display default setting is in degrees Fahrenheit (°F), and cannot be changed.

Using the Remote Sensor

- 1. Remove the rear battery door of the remote sensor, set the channel switch to select same channel number with main unit.
- 2. Press the RESET button near the remote sensor battery compartment, the selected channel number (1 - 3) will show in the LCD display.
- 3. Replace the battery door.
- 4. The outdoor temperature on the main unit will display “- -” and humidity will display “- -” until it picks up the signal from the remote sensor.
- 5. Press and hold the DOWN key on main unit for 3 seconds, channel indicator in main unit display starts flashing. Main unit start communicating with the remote sensor.
- 6. When the main unit detects the remote sensor in around 1 minute, it will start to display the

temperature and humidity measured by the remote sensor.

NOTE:

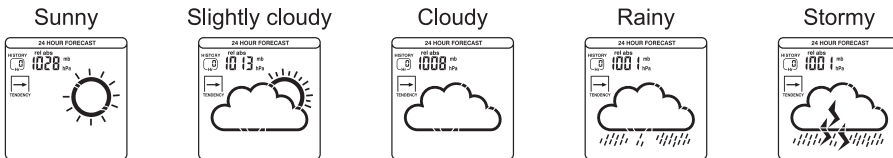
- 1.) If no signals are received or if there is interference, “—” will appear in the main unit display.
- 2.) Relocate the main unit or transmitter to other locations if you are having problems connecting. Make sure the transmission range is within the effective range of 260 feet approx.
- 3.) The wireless distance may decrease as the signal may be shielded by thick walls, steel, concrete, aluminum foil etc., or there maybe strong interference from other nearby operating electronic devices.
- 4.) If you are having problems linking after several attempts, please reset the remote sensor and main unit, and try again at a closer range.

View the Channel

The default channel is Channel 1. In normal time mode, tap the UP key on main unit to view the channels from 1 to 3. The channels can also automatically switch to display data of 3 channels by pressing and holding the “UP” key for 3 seconds, a beeping tone will be heard.

Weather Forecast

The built-in barometer can detect atmospheric pressure changes. Based on the data collected, it can estimate the weather conditions for the next 24-72 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 next 24 to 72 hours, it may not necessarily reflect the current situation.
3. The “Snowy” weather forecast is not based on the atmosphere pressure, but based on the outdoor temperature. When the outdoor temperature is below 26°F (-3°C), the “Snowy” weather indicator will be displayed on the LCD.
4. The temperature shown on the remote sensor is independent from what is transmitted to the main unit, so you may see a slight discrepancy between the 2 readings.

LED BACKLIGHT

This unit is equipped with illuminated touch keys. You can turn on the backlight by pressing any key. The backlight will be on for 5 seconds, and then turn off automatically.

CARE AND MAINTENANCE

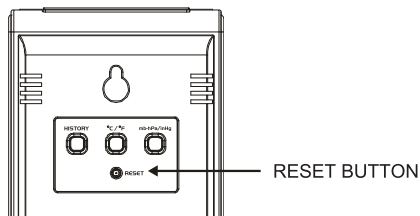
1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty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

CAUTION: Never allow any water or other liquids to get inside the unit while cleaning.

Resetting the Unit

If the unit experiences a power surge or electric shock, it is possible that the internal micro-controller may lock up and the unit will not respond to any commands from the panel controls. In this event, use a straightened paper clip, toothpick or similar objects to press

the RESET button located on the back of the unit (see the below figure). The reset operation clears the system memory and all of your previous settings will be erased.



TROUBLESHOOTING GUIDE

If you experience difficulties in the use of this music system please check the following or call 1-800-777-5331 for Customer Service.

Symptom	Possible Cause	Solution
The unit does not respond (no power).	No batteries installed or installed batteries are exhausted.	Install 2 x "AA" batteries or replace the exhausted batteries.
Wireless Range short	Remote sensor out of range	Operation in open area and try to relocate the position.
	Remote sensor battery exhausted	Replace the exhausted batteries.

SPECIFICATION

Power requirement:

Main Unit 2 X AA (UM-3) Batteries

Remote Sensor 2 X AA (UM-3) Batteries

Frequency: 433.920 MHz

Temperature Measuring Range Main Unit: 23 °F – 122 °F (-5 °C - 50 °C)
Remote Sensor: -4 °F – 140 °F (-20 °C - 60 °C)

Humidity Measuring Range Indoor/Outdoor 20% – 90%

Pressure Measuring Range 950mb – 1030mb (28.05 in Hg – 30.41 in Hg)

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Please visit us at <http://www.spectraintl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

**1 YEAR LIMITED WARRANTY AND SERVICE
VALID IN THE U.S.A ONLY**

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SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants that this product 1) is free from defects in materials and workmanship and 2) conforms to its specifications for a period of 1 year from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicated copy of a sales receipt. You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
 - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated
 - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the owner's manual or non-SPECTRA approved modifications
 - c. Claims are made within the warranty period
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA owner's manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the owner's manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it prepaid by insured parcel post or UPS to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so include your name, address, phone number and e-mail address to speed the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for \$30.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by e-mail at custserv@spectraintl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
Chicago, IL60634, USA.
1-800-777-5331

To register your product, visit the link below on the website to enter your information.
<http://www.spectraintl.com/wform.htm>