



# Digital Weather Station

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## 68354 Digital Weather Station

### **!WARNING**

Read this material before using this product.  
Failure to do so can result in serious injury.  
**SAVE THIS MANUAL.**



When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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## Specifications

Batteries	4 "AAA" (Not included) 2 for Station / 2 for Transmitter
Channels	3 Receiving Channels
Mounting	Wall and Stand Mounting

**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.

## Save This Manual

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

## Important Safety Information

In this manual, on the labeling, and all other information provided with this product:



**This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.**

## General Safety Warnings



**WARNING** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury. Save all warnings and instructions for future reference.

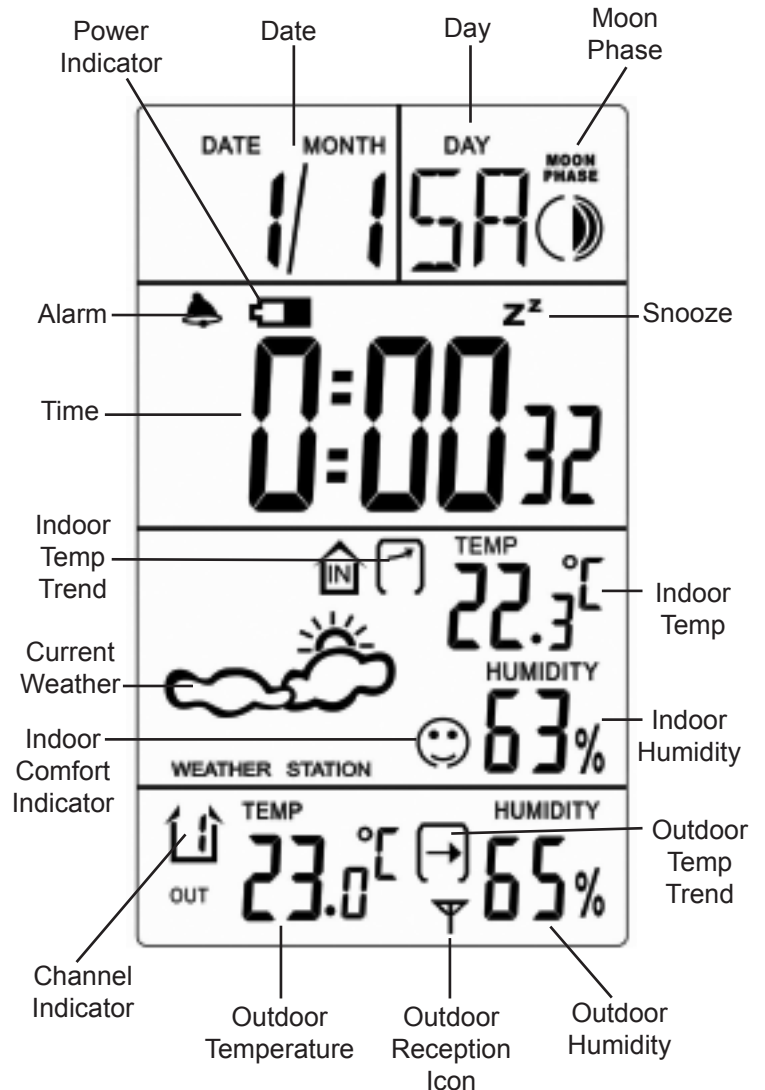
1. Position batteries in proper polarity and do not install batteries of different types or polarity.
2. Properly dispose of all used batteries.
3. This product is not a toy. Keep Weather Station and Transmitter out of reach of children.
4. Inspect before use; do not use if parts are damaged.
5. Use as intended only.
6. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense

and caution are factors which cannot be built into this product, but must be supplied by the operator.



## SAVE THESE INSTRUCTIONS.

## Display and Key Functions



<b>UP</b>	Press for 3 seconds to change Year and Day of Week
<b>DOWN</b>	Adjust data in any set mode
<b>MODE</b>	Press for 3 seconds to enter setting mode
<b>MAX/MIN</b>	Switch between temp and humidity
<b>ALM</b>	Enter alarm setting / Turn on/off alarm
<b>ALERT</b>	Set temp alert / Turn on/off temp alert
<b>CH</b>	Switch between Transmitter channels
<b>SNZ</b>	Activate snooze function on alarm

## Setup Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

### Installing Batteries

1. **NOTE:** Install the Weather Station's batteries first.
2. Open the Weather station's battery compartment cover.
3. Install two "AAA" batteries, making sure to follow polarity marked on the inside of the compartment.
4. Close battery compartment cover.
5. **NOTE:** Once batteries are in place, the LCD will light up briefly and a short beep will sound. Then the indoor temperature and humidity will automatically display. If the indoor temperature is not displayed after a few seconds, remove the batteries and wait for at least 10 seconds before reinserting them.
6. Within three minutes of activating the Weather Station, insert the Transmitter's batteries.
7. Open the Transmitter's battery compartment cover.
8. Install two "AAA" batteries, making sure to follow polarity marked on the inside of the compartment.
9. Close battery compartment cover.
10. **NOTE:** When battery power is low, the battery icon will appear on the Weather Station/Transmitter's LCD display.

### Testing Weather Station/ Transmitter Connection

1. After inserting batteries into Transmitter, the Weather Station will start receiving readings from the Transmitter. The outdoor temperature should be displayed. If this does not happen within 15 minutes, the batteries will need to be removed from both units and reset, following the above instructions.
2. **NOTE:** The Weather Station can take up to 3 remote transmitters. Follow the above steps for each extra Transmitter, making sure to leave 10 seconds in between the reception of the last Transmitter and the set-up of the next Transmitter.

The Weather Station will number the Transmitters in the order of set-up (the first

Transmitter will have the temperature displayed with the number 1 against it and so on).

3. When all Transmitters are set up, a testing period will follow, during which the display switches between all received Transmitters at random. Press any key to stop this process.
4. The display will show the temperature for the first Transmitter. The process also stops automatically if no keys are pressed for a few minutes.
5. Once the remote temperature has been received and displayed on the Weather Station, the time code reception is automatically started. This will take about 7 minutes in good weather conditions.

**NOTE:** This 7-minute time period is an excellent opportunity to install the Transmitter(s) in suitable location(s) outdoors. To ensure sufficient 433 MHz transmission, do not install Transmitter(s) more than 100 meters from where the Weather Station will be positioned.

6. If after 10 minutes the time code has not been received, use the MODE key to manually enter a time initially. The clock will automatically attempt each hour to receive the time. When this is successful, the received time will override the manually set time. The date is also updated with the received time.
7. If the Weather Station cannot receive the time code signal (perhaps because of weather disturbances or transmitting distance), the time can be manually set. The clock will then work as a normal clock.

### Channel Settings

1. Once the batteries are inserted (and BEFORE replacing Transmitter battery cover), use the Channel Key on the back of the Transmitter to select the channel. (If there is more than 1 Transmitter, please choose a different channel.)
2. Once all settings have been made, close the Transmitter battery compartment cover and use the mounting hole to mount the Transmitter on an outdoor wall or window.
3. **NOTE:** The max. open distance between the Weather Station and the Transmitter is 328 ft. (100 meters). Do not install the Transmitter at a distance greater than 328 ft. Otherwise, the Weather Station will not receive a proper transmitter signal.
4. Keep out of direct rain and direct sun to prevent inaccurate readings. Air conditioning or indoor heat can effect the signal, leading to incorrect readings.

## Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

## Time, Date and Language Setting

1. After turning on Weather Station, press and hold the MODE key for three seconds. The Station will beep and the setting to be changed will flash.
2. Press UP/DOWN key to adjust the year setting. Press MODE to confirm setting.
3. The order of setting is year / month / day / language / hour / minute / then exit. **NOTE:** The seven options for languages are German, English, Italian, French, Dutch, Spanish and Danish.
4. Once the date is set, the Week will automatically be set.
5. Press and hold the UP key for three seconds to change the Year and Day of Week display.
6. If you are in the process of setting but do not operate the device for 8 seconds, the display will return to normal mode.

## Alarm Setting

1. Press the ALM key for three seconds. A beep will be heard. Then press UP/DOWN to adjust the alarm's time setting.
2. Press ALM again to confirm the setting. The alarm bell icon will appear/disappear when the alarm turns on/off.

## Snooze

1. While the alarm is on, press the SNZ key to activate snooze function. The snooze function will last for five minutes and can be repeated for five times.
2. Press ALM to deactivate the snooze function.

## Outdoor Temp Alarm Settings

1. Press ALERT once. The temperature alert will turn on (or off) and the direction arrows will appear (or disappear).
2. Press ALERT again for two seconds. The max. indoor temp and the "up" arrow will flash. Press CH to select the channel you need to set. When

entering the outdoor temp alarm setting, the max. outdoor temp and the "up" arrow will flash.

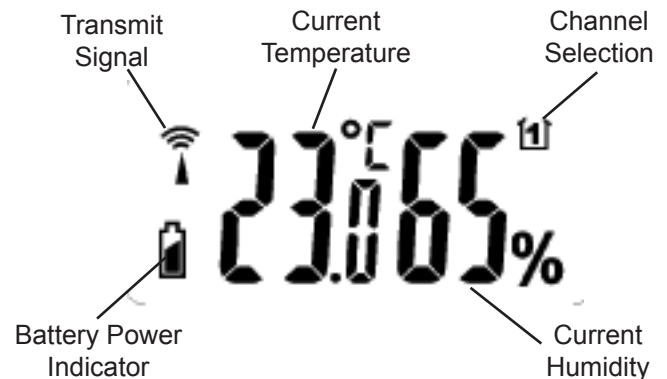
3. Use the UP/DOWN keys to set the max. temperature alert. When finished, press ALERT to confirm setting.
4. Follow the same steps to set the minimum temperature alert setting.
5. Press ALERT again to exit.
6. **NOTE:** If you do not press ALERT or another key for 8 seconds while in this mode, the system will exit back to the standard time mode.
7. If you wish to readjust the max or min. temperature alert, press the UP or DOWN key. The setting will begin to flash, allowing for readjustment.
8. Note the following:
  - a. The indoor temperature range is -14 to 158° F (-10° to 70° C).
  - b. The outdoor temperature range is -40 to 158° F (-40° to 70° C).
  - c. For the temperature alert setting, the lowest alarm temperature should be 1 less from the highest temperature.
  - d. The humidity detecting range is 20%~95%. However, if the temperature goes below -40° F, the display will show LL%. Should the humidity go below 20%, the display will show LL%. If the humidity is higher than 95%, it will show HH%.
  - e. When the temperature alarm beeps in the current channel, the temperature and alarm signs will flash. When set in another channel, only the alarm symbol will flash.
  - f. When the outdoor temperature alarm beeps, the temperature and alarm symbols will flash simultaneously.
  - g. Once the alert sounds, press any key to stop the alert. The press ALERT to turn off the alert. The alert symbol will disappear from display.
  - h. If the temperature alert and alarm go off at the same time, turn off the alarm first. Then deactivate the temperature alert.
  - i. The temperature alert will beep every second and last for five seconds. Then it will stop for about a minute (55 seconds). It sound again until pressing any key or until the temperature goes up. Once the temperature goes up, the beeping will stop automatically.

## Thermometer and Hygrometer

1. Once the device is turned on, the display will show the current temperature and humidity.
2. Press DOWN to change the temperature unit.
3. The device will check the temperature every hour and compare it to the previous hour. The results are shown in the temp trend box. There is one for indoors and one for outdoors.
  - a. If the temperature has increased, an arrow that curves up will show.
  - b. If there is no change in temperature, a straight arrow will show.
  - c. If the temperature has decreased, an arrow that curves down will show.
4. If the device does not receive a signal from the outdoor transmitter within a hour's time, the display will show "--.". Once it receives a signal, it will renew the outdoor display.
5. The indoor humidity are summarized by the Comfort Indicator.
  - a. If the humidity is lower than 40% (too dry), then a "comfortable" icon (non-smiling face) will appear on the display.
  - b. If the humidity is more than 70% (too humid), then an "uncomfortable" icon (frowning face) will appear on the display.
  - c. If the temperature is between 20-28° C and the humidity is between 40% to 70%, then it will show a "very comfortable icon" (smiling face).
  - d. If the temperature is outside 20-28° C and the humidity is between 40% to 70%, nothing will be shown.
6. The weather forecasts have four display icons: Sunny (sun display), Slightly Cloudy (sun/cloud display), Cloudy (clouds only display) and Rainy (clouds with rain display).

## Transmitter Setup

1. **NOTE:** The outdoor, waterproof Transmitter checks the current temperature and humidity and every 60 seconds sends the information to the main Weather Station receiver.
2. **NOTE:** The Transmitter's working temperature is between -4° F to 158° F (20° C to 70° C). If the Transmitter's temperature becomes either lower or higher than these ranges, the Transmitter will stop working.
3. **NOTE:** The Transmitter's humidity range is between 20% to 95%. If the humidity is lower than 20%, the display will continue to show "20%". If the humidity is higher than 95%, it will continue to show "95%" in the LCD display.
4. See below for the Transmitter's display icons:



5. To mount the Transmitter, attach the Transmitter's holder to a wall or place it on a table.
6. **NOTE:** Do not mount Transmitter where it will come into contact with a piece of metal or a highly polished surface. Doing so can decrease the transmitting range.
7. Use the double-sided tape (not included) to mount the holder to a smooth surface that does not allow for screw mounting.
8. The holder can also be mounted to the wall using screws. **NOTE:** Verify mounting location is free of any hidden wires. Once this is done, follow these steps:
  - a. Use a pen to mark the location of the mounting holes on the wall.
  - b. Drill mounting holes in the points marked on the wall.
  - c. Screw Transmitter holder into wall and then slide Transmitter into holder.

## Maintenance and Servicing



Procedures not specifically explained in this manual must be performed only by a qualified technician.

### Checking Reception

1. If the temperature data is not sent three minutes after setup, please check the following:
  - a. The Weather Station and Transmitter are at least 1.5 to 2 yards away from any sources of interference, such as computer monitors or TV sets.
  - b. The Transmitter has not been placed on or close to a metal window frame.
  - c. Electrical products such as headphones or speakers should not be operating on the same signal (433 MHz) as the Weather Station. And.
2. Make sure that your neighbors are not using any electrical devices operating on a similar frequency.

### Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces with clean cloth. Do not immerse in water.
3. Do not use cleaning agents to clean the plastic parts of the tool. Use only a mild detergent or a damp cloth.



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