

## M76171 FAQs

We are weather enthusiasts like you and know proper running equipment is important. These FAQs provide valuable information on setup, positioning, and troubleshooting your station. We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>

## CONTENTS

M76171 FAQs.....	1
CONTENTS .....	1
BATTERIES: What do I need to know about batteries? .....	2
HARDWARE: Sensors and Station.....	2
What are the power requirements for this station? .....	2
Set up: How do I sent up my station? .....	2
MOUNTING: Where do I mount/position my sensor?.....	2
Where to I place my station? .....	3
TIME: Does this station have Atomic Time? .....	3
How do I manually set the time? .....	3
How do I select Fahrenheit or Celsius? .....	4
WEEKDAY: How do I correct the day of the week? .....	4
Does this station have 12 hour and 24 hour time options?.....	4
How do I set the Time Alarm? .....	4
Where is my Barometric Pressure reading? .....	4
FORECAST ICONS: What do the forecast icons mean? .....	5
Does this station have a backlight? .....	5
Why don't the temperature/humidity readings on my station match the weather report?.....	5
Why does my outdoor sensor show dashes? .....	5
. Why does my Temp/Humidity reading come and go? .....	6
What is Distance I Resistance I Interference? .....	6
Can I change batteries in my sensors without losing data?.....	7
How do I view my MIN/MAX Readings? .....	7
FACTORY RESET: How do I factory reset my station? .....	7

## BATTERIES: WHAT DO I NEED TO KNOW ABOUT BATTERIES?

- Good fresh batteries are important for best performance in your sensors and as backup in your clock.
- Batteries with an expiration date of 2028, were manufactured in 2018.
- We recommend batteries with an expiration date 6 years in advance of the current year for best performance.
- A minimum voltage of 1.48 v per battery is required for best performance.
- Lithium batteries may be used in outdoor sensors. Alkaline batteries for the clock.

## HARDWARE: SENSORS AND STATION

**Your M76171 station comes with:**  
**SH006T** 433MHz RF.

## WHAT ARE THE POWER REQUIREMENTS FOR THIS STATION?

**SH006T:** 2 “AAA” batteries

**M76171:** 5V/1A USB Power Cord (LX050100)  
Optional: 2 “AAA” LR3 Batteries

## SET UP: HOW DO I SET UP MY STATION?

1. Insert 2-AAA batteries into your Outdoor Sensor.
2. Insert the 5.0 volt USB power cord into an outlet, then into the side of
  1. your Weather Station. Optional: Insert 2-AAA batteries into your station.
  2. Adjust time and date settings on the station.
3. Once the Outdoor Sensor is reading to your station, place it outside in a
4. shaded location.

## MOUNTING: WHERE DO I MOUNT/POSITION MY SENSOR?

- Watch sensor mounting video: [http://bit.ly/TH\\_SensorMounting](http://bit.ly/TH_SensorMounting)
- Place your thermo-hygro sensor at least 6 feet off the ground.
- For accurate temperature readings your sensor needs to be shaded from the sun and in a well ventilated area. Trapped moisture will cause inaccurate readings.
- Mount your sensor vertically to allow moisture to drain out the bottom.
- Preferred location is on a north facing wall under an eave or deck rail.
- Avoid placing near a metal roof that will cause it to read high on sunny days.

- Avoid other sources of heat such as soffit vents, and window or door frames.
- For accurate humidity readings, avoid placement near vegetation and lakes or other bodies of water when possible.
- Maximum transmission distance from your thermos-hygro sensor to your station, in open air is 197 feet (60 meters).
- Insert the mounting screw through the front of the transmitter and into the wall. Tighten the screw to snug (do not over tighten).

## WHERE TO I PLACE MY STATION?

Your station is designed for flexible placement on a desk or countertop.

- Position within reach of an outlet that is always active. Some outlets in living rooms and in bedrooms may only be active when the light switch is on.
- Best reception occurs when only one wall is between your station and each sensor outside.
- Position you station six feet from other electronics and wireless devices. If you suspect RF (radio frequency) interference, simply move your weather station a few feet.

## TIME: DOES THIS STATION HAVE ATOMIC TIME?

No, Time and Date are manually set.

## HOW DO I MANUALLY SET THE TIME?

1. Press the SET/AL SET button so the word "TIME" shows in front of the time.
2. With the word "TIME" showing, hold the SET/AL SET button to enter the main Settings Menu.
3. Once the settings begin flashing, let go of the SET/AL SET button and use the ARROW buttons to adjust, and SET/AL SET to confirm or exit.

### Settings Menu order:

- 12/24 Hour Time
- Hour
- Minute
- Year
- Month
- Date
- Language (ENG, GER, FRE, SPA, ITA, DUT, DAN)

**Language:** When another language is selected, the weekday and menu items will be presented in that language.

**Weekday:** Weekday sets automatically when Year, Month and Date are set.

## HOW DO I SELECT FAHRENHEIT OR CELSIUS?

- Press the °F/°C button to select Fahrenheit or Celsius temperature display.

## WEEKDAY: HOW DO I CORRECT THE DAY OF THE WEEK?

- The day of the week will set when the Year, Month, and Date are set. If your day of the week is incorrect, yet the month and date are correct, please go the [program menu](#) and check the YEAR setting.

## DOES THIS STATION HAVE 12 HOUR AND 24 HOUR TIME OPTIONS?

- Yes, you can select 12 hour or 24 hour time format in the [program menu](#).

## HOW DO I SET THE TIME ALARM?

### **Set Alarm:**

1. Press the SET/AL SET button so the word “ALARM” shows in front of the time.
2. With the word “ALARM” showing, hold the SET/AL SET button to enter Alarm Settings.
3. Use the ARROW buttons to adjust, and SET/AL SET to confirm and exit.

### **Alarm Menu order:**

- Hour
- Minute

### **Activate/Deactivate Alarm:**

Setting the alarm time and activating the alarm are separate actions.

1. Press the SET/AL SET button so the word “ALARM” shows in front of the time.
2. Use the ARROW buttons to turn the alarm ON or OFF. When the alarm is active the Alarm Icon will show.

### **Silence Alarm for 24-hours:**

- When the alarm sounds, press any button to silence the alarm for 24-hours.
- The Alarm Icon will continue to show.

## WHERE IS MY BAROMETRIC PRESSURE READING?

The Barometric Pressure on this station is in hPa (Hecto Pascal) only. The reading will show in place of the Time.

### **View Pressure:**

Press the BARO button to view the Barometric Pressure in the time area.

### **Change Pressure Value:**

1. Hold the BARO button for 3 seconds to enter Barometric Pressure Settings.
2. Use the ARROW buttons to adjust the value, then press the BARO button to save and exit.

## **FORECAST ICONS: WHAT DO THE FORECAST ICONS MEAN?**

The forecast icons predict weather condition over the next 12-hours based on the change of atmospheric pressure with about 70-75% accuracy. As weather conditions cannot be 100% correctly forecasted, we are not responsible for any loss caused by an incorrect forecast.

### **Forecast Icons:**

- Sunny
- Partly Sunny
- Cloudy
- Rain
- T-Storm

**Note:** As the Station builds memory, it will compare the current average pressure to the past forty day average pressure for increased accuracy. The longer the Station operates in one location the more accurate the forecast icons will be. Please allow 7-10 days for barometer calibration.

## **DOES THIS STATION HAVE A BACKLIGHT?**

### **Power Cord:**

- Hold the ON/OFF/BL button for 3 seconds, until the Station beeps, to turn the continuous Backlight OFF.
- Hold the ON/OFF/BL button again for 3 seconds, until the Station beeps, to turn continuous Backlight ON.
- When the Backlight is off, press any button to turn on the backlight for 8 seconds.

**Batteries Only:** Press any button to activate the backlight for 8 seconds.

## **WHY DON'T THE TEMPERATURE/HUMIDITY READINGS ON MY STATION MATCH THE WEATHER REPORT?**

- Your temperature and humidity readings are from your sensor at your location. Your local reporting station can be miles away so readings will differ.

## **WHY DOES MY OUTDOOR SENSOR SHOW DASHES?**

- If the sensor loses connection to the station for any reason, the station will show dashes after 3 minutes.
- To search for your Outdoor Sensor, hold the ▲/CH button until the Reception Icon animates.

- When the sensor is connected, the Reception Icon will flash once when new signal is received.
- If your outdoor sensor is unable to reconnect on its own, a reset of your station may be necessary. Use a paper clip to press the RST button on the back of the station.

## WHY DOES MY TEMP/HUMIDITY READING COME AND GO?

- RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g., moister climates).
- If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patient – these stations can reconnect on, after many hours out.
- RF (radio frequency) communication is not always 100% on. Certain temporary conditions can cause it to go out for a time (e.g., 100% humidity).

### If a miss happens:

- If sensor loses connection to the station for any reason, the station will show NO after 30 minutes.
- The station will search for 5 minutes every hour to reconnect with sensor.
- Be sure you have good [batteries](#). Manually search for your sensor.

### Try this:

- Bring your sensor within 10 feet of your station and make sure it is connected to the station.
- After 15 minutes move the sensor into the next room with a wall between the sensor and the station for 1 hour.
- If there is no loss of signal in that hour, move the sensor just outside.
- Continue moving the sensor back to its original location.
- If you lose connection, look for sources of [interference](#).

## WHAT IS DISTANCE | RESISTANCE | INTERFERENCE?

### Distance:

- The maximum transmitting range in open air is over 197 feet (60 meters) between each sensor and your station.
- Consider the signal path from your station to each sensor as a straight line.
- Consider the distance the station is from other electronics in the home.

### Resistance:

- Each obstacle: walls, windows, vegetation, stucco, concrete, and large metal objects will reduce the effective signal range by about one-half.
- Mounting your sensors on a metal fence can significantly reduce the effective signal range.

### Interference:

- Consider electronics in the signal path between the sensors and your station.

- Simple relocation of the sensors or the station may correct an interference issue.
- Windows can reflect the radio signal.
- Metal will absorb the RF (radio frequency) signal.
- Stucco held to the wall by a metal mesh will cause interference.
- Transmitting antennas from: ham radios, emergency dispatch centers, airports, military bases, etc. may cause interference.
- Electrical wires, utilities, cables, etc. may create interference if too close.

## CAN I CHANGE BATTERIES IN MY SENSORS WITHOUT LOSING DATA?

We designed this station for convenience, so that a simple change of batteries does not lose data or require you to power down your station.

- When Battery Indicator shows in the Outdoor Sensor area, replace batteries in your Outdoor Sensor.
- Then hold the +/-OUT button for 3 seconds and your station will search for your sensor.
- When changing the batteries in the color station, continue using the power cord. After replacing the batteries, no other action is needed. The batteries in the station only maintain time/date in the event of a power outage.

## HOW DO I VIEW MY MIN/MAX READINGS?

The MIN/MAX readings are all time values from when the station was first powered on or last reset.

1. Press the MEM button to view indoor & outdoor MAX records.
2. Press MEM again to view MIN records.

### **Reset Records:**

1. Press the MEM button to view records.
2. Hold the MEM button to reset all Indoor and Outdoor records to current readings.

## FACTORY RESET: HOW DO I FACTORY RESET MY STATION?

To factory reset your station press the RST button.