

## DIGOO DG-TH8380

# DIGOO DG-TH8380 Wireless Weather Station User Manual

Model: DG-TH8380

## 1. INTRODUCTION

Thank you for choosing the DIGOO DG-TH8380 Wireless Weather Station. This device provides accurate indoor and outdoor temperature and humidity readings, weather forecasts, time, and an alarm function. Please read this manual carefully to ensure proper setup and operation of your weather station.



**Image 1.1:** The DIGOO DG-TH8380 Wireless Weather Station main unit and its remote outdoor sensor.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- Multifunction Weather Station Clock with easy-to-use touch screen.
- Displays weather forecasts, temperature, and humidity.
- Time and calendar display.
- Soft, eye-care white backlight for visibility in low light, automatically turns off after 20 seconds.
- Records maximum and minimum temperature/humidity data.
- Low battery indicator for both main unit and remote sensor.
- Supports up to 3 remote outdoor sensors (one included).

### 2.2 Components Included

- 1 x DIGOO DG-TH8380 Wireless Touch Screen Weather Station (Main Unit)

- 1 x DIGOO DG-TH8380 Wireless Outdoor Sensor
- 1 x English User Manual

## 2.3 Main Unit Display and Buttons



### 4 weather icons display



**Image 2.1:** Detailed view of the weather station's display and controls, indicating areas for weather icons, time/date, indoor/outdoor temperature and humidity, channel display, backlight button, and touch buttons (CH, C/F SET, MEM). The main unit features a clear LCD display with various indicators:

- **Weather Icon:** Displays current weather forecast (Sunny, Partly Cloudy, Cloudy, Rainy).
- **Time & Date:** Shows current time and date.
- **Indoor Temperature & Humidity:** Readings from the main unit's internal sensor.
- **Outdoor Temperature & Humidity:** Readings from the remote sensor.
- **Channel Display:** Indicates which remote sensor channel is currently displayed (CH1, CH2, CH3).
- **Backlight Button:** Activates the soft backlight.
- **Touch Buttons (CH, C/F SET, MEM):** Used for various settings and functions.

### 3. SETUP

#### 3.1 Battery Installation

The weather station main unit and remote sensor are battery-powered. Batteries are not included.

1. **Main Unit:** Open the battery compartment cover on the back of the main unit. Insert 3 x AAA batteries, ensuring correct polarity (+/-). Close the cover.
2. **Remote Sensor:** Open the battery compartment cover on the back of the remote sensor. Insert 2 x AAA batteries, ensuring correct polarity (+/-). Close the cover.

**Note:** It is recommended to insert batteries into the remote sensor first, then the main unit, to ensure proper synchronization.



**Image 3.1:** Overview of the weather station's physical features, including dimensions, wall-mount option, table stand, battery compartment, and the remote sensor.

#### 3.2 Sensor Synchronization

After installing batteries, the main unit will automatically search for the remote sensor signal. This process may take a few minutes. Ensure the remote sensor is within range (up to 328ft / 100m in open air) of the main unit.

If synchronization fails, remove batteries from both units, wait a few seconds, and then reinsert batteries into the remote sensor first, followed by the main unit.

### 3.3 Multiple Sensors (Optional)

The weather station supports up to three remote sensors. If you have additional sensors, they will automatically be assigned to channels CH2 and CH3 upon synchronization.

## 3 CHANNELS MATCH 3 SENSORS

Press [CH] button on main unit to change channel display.

The channel switch order is CH1—CH2—CH3.

The wireless transmitter distance can be less 328ft.



**Image 3.2:** Illustration of how the weather station can connect to up to three remote sensors (CH1, CH2, CH3) and how to switch between their displays on the main unit.

### 3.4 Placement

- **Main Unit:** Place the main unit indoors on a flat surface using its integrated stand, or mount it on a wall. Avoid direct sunlight or heat sources.
- **Remote Sensor:** Place the remote sensor outdoors in a shaded, dry location, protected from direct rain and sunlight, for accurate readings. Ensure it is within the wireless range of the main unit.

## 4. OPERATING INSTRUCTIONS



## 4.1 Basic Display Information

Once set up, the main unit will display:

- Current time and date.
- Indoor temperature and humidity.
- Outdoor temperature and humidity (from the currently selected channel).
- Weather forecast icon.



**Image 4.1:** Icons representing the various features of the weather station: Weather, Temperature, Humidity, Alarm, Calendar, Touch Switch, and Night Light (backlight).

## 4.2 Setting Time and Date

1. Press and hold the **C/F SET** touch button for 3 seconds to enter time setting mode.
2. The setting value will flash. Use the **CH** or **MEM** touch buttons to adjust the value.
3. Press **C/F SET** again to confirm and move to the next setting (e.g., 12/24 hour format, hour, minute, year, month, day).
4. After setting the last item, press **C/F SET** to exit setting mode.

### 4.3 Temperature Unit Selection (°C/°F)

Briefly press the **C/F SET** touch button to switch between Celsius (°C) and Fahrenheit (°F) temperature units.

### 4.4 Backlight Operation

Press the backlight button located on the top of the main unit to activate the soft white backlight. The backlight will remain on for approximately 20 seconds and then automatically turn off to conserve battery power.



**Image 4.2:** The weather station displaying its soft, eye-care backlight, designed for easy viewing in dark environments.

### 4.5 Max/Min Temperature and Humidity Records

Briefly press the **MEM** touch button to view the maximum temperature and humidity records. Press it again to view the minimum records. Press a third time to return to current readings. The records are reset daily or when batteries are replaced.

### 4.6 Switching Remote Sensor Channels

If you have multiple remote sensors, briefly press the **CH** touch button to cycle through the outdoor temperature and humidity readings from CH1, CH2, and CH3.

### 4.7 Alarm Clock and Snooze Function

The weather station includes an alarm clock with a snooze function. Refer to the detailed instructions below for setting and activating the alarm:

1. **Setting Alarm Time:** In normal time display mode, briefly press the**MEM** button until the alarm icon appears. Then, press and hold the **C/F SET** button for 3 seconds. The alarm hour will flash. Use**CH** or **MEM** to adjust, and **C/F SET** to confirm and move to minutes.
2. **Activating/Deactivating Alarm:** In alarm display mode, briefly press the**CH** button to turn the alarm ON or OFF. An alarm bell icon will appear when activated.
3. **Snooze Function:** When the alarm sounds, press the backlight button (on top) to activate the snooze function. The alarm will sound again after approximately 5 minutes. To stop the alarm completely, press any other touch button.

## 5. MAINTENANCE

### 5.1 Battery Replacement

When the low battery indicator appears on the display for either the main unit or the remote sensor, replace the batteries promptly. Use new AAA batteries, ensuring correct polarity. After replacing batteries, the units may need to re-synchronize.

### 5.2 Cleaning

Clean the weather station and remote sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing.

### 5.3 Environmental Considerations

To ensure longevity and accurate readings, avoid exposing the main unit to extreme temperatures, direct sunlight, or high humidity. The remote sensor should be placed in a location protected from direct weather elements but with good air circulation.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit or sensor.	Batteries are dead or incorrectly inserted.	Replace batteries with new ones, ensuring correct polarity.
Outdoor temperature/humidity not displayed or incorrect.	Sensor out of range, interference, or synchronization issue.	Move sensor closer to the main unit. Remove batteries from both units, wait 1 minute, then reinsert into sensor first, then main unit. Avoid placing near large metal objects or electronics.
Weather forecast icon does not match actual weather.	The weather station forecasts based on atmospheric pressure changes over 12-24 hours, not real-time conditions.	This is normal operation. The forecast is a prediction, not a current observation. Allow time for the station to learn local pressure patterns.



Problem	Possible Cause	Solution
Backlight not working.	Low batteries or backlight button not pressed correctly.	Replace main unit batteries. Ensure a firm press on the backlight button.

## 7. SPECIFICATIONS

- **Model:** DG-TH8380
- **Main Unit Power:** 3 x AAA batteries (not included)
- **Remote Sensor Power:** 2 x AAA batteries (not included)
- **Wireless Frequency:** 433 MHz
- **Wireless Range:** Up to 100 meters (328 feet) in open air
- **Indoor Temperature Range:** 0°C to 50°C (32°F to 122°F)
- **Outdoor Temperature Range:** -20°C to 60°C (-4°F to 140°F)
- **Humidity Range:** 20% to 95% RH
- **Dimensions (Main Unit):** Approximately 141mm x 95mm x 24mm (5.55in x 3.74in x 0.87in)
- **Color:** Black

## 8. WARRANTY AND SUPPORT

Information regarding specific warranty terms for the DIGOO DG-TH8380 Wireless Weather Station is not available in this manual. For warranty claims, technical support, or replacement parts, please refer to the retailer where the product was purchased or visit the official DIGOO website for customer service contact information.