DIGOO DG-8988

DIGOO DG-8988 Digital Weather Station User Manual

Model: DG-8988

1. INTRODUCTION

Thank you for purchasing the DIGOO DG-8988 Digital Weather Station. This device provides comprehensive weather information, including indoor and outdoor temperature and humidity, weather forecasts, time, date, and alarm functions. Please read this manual carefully to ensure proper setup and operation.

2. SAFETY INFORMATION

- Do not expose the main unit or outdoor sensor to extreme temperatures, direct sunlight, or moisture.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the unit yourself. Contact qualified service personnel.
- Keep batteries out of reach of children. Dispose of used batteries responsibly.
- The outdoor sensor is not waterproof; protect it from direct rain.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x DG-8988 Weather Station (Main Unit)
- 1 x DG-8988 Outdoor Sensor
- 1 x USB Power Cable
- 1 x User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the main unit and its components.

4.1 Main Unit Front View

Figure 1: Front view of the DG-8988 Weather Station display.

The front features a large, colorful LCD screen divided into sections for easy readability:

- **Weather Forecast:** Displays predicted weather conditions.
- **Indoor Data:** Shows current indoor temperature and humidity.
- **Outdoor Data:** Shows current outdoor temperature and humidity from the sensor.
- **Sunrise & Sunset:** Displays sunrise and sunset times (city name function currently limited to Europe).
- **Time & Calendar:** Shows current time, date, and day of the week.
- **Barometric Pressure:** Displays current atmospheric pressure.

4.2 Main Unit Rear View and Buttons

Figure 2: Rear view with control buttons.

The control buttons are located on the left side of the main unit:

- **SET:** Enters settings mode or confirms selections.

- **UP:** Adjusts values upwards or cycles through options.

- **DOWN:** Adjusts values downwards or cycles through options.

- **ALARM:** Enters alarm setting mode or activates/deactivates alarm.

- **ALERT:** Sets temperature/humidity alerts.

- **HEAT/DEW:** Toggles display of Heat Index and Dew Point.

4.3 Main Unit Side View

Figure 3: Side view showing the SNOOZE/LIGHT button.

On the top edge of the main unit, you will find the**SNOOZE**/**LIGHT** button, used to activate the backlight or snooze the alarm.

5. SETUP

5.1 Powering the Main Unit

1. Insert 3 x AAA batteries (not included) into the battery compartment on the back of the main unit, observing correct polarity (+/-).

2. Alternatively, connect the supplied USB power cable to the DC-POWER port (DC5.0V, 1A) on the main unit and plug it into a suitable USB power adapter (not included). The USB connection is recommended for continuous operation and display brightness.

5.2 Powering the Outdoor Sensor

1. Open the battery compartment on the back of the outdoor sensor.

2. Insert 2 x AA batteries (not included), observing correct polarity (+/-).

3. Close the battery compartment securely.

5.3 Sensor Placement

- Place the outdoor sensor in a shaded, dry location, protected from direct sunlight and rain.

- Ensure the sensor is within the 98ft/30m transmission range of the main unit. Walls and other obstructions can reduce this range.

- Avoid placing the sensor near large metal objects or electronic devices that could interfere with the wireless signal.

5.4 Initial Synchronization

After powering both units, the main unit will automatically attempt to connect with the outdoor sensor. The outdoor temperature and humidity should appear on the display within a few minutes. If not, press and hold the 'DOWN' button on the main unit to manually initiate a search for the outdoor sensor.

6. OPERATING INSTRUCTIONS

6.1 Setting Time and Date

1. Press and hold the 'SET' button for 3 seconds to enter time setting mode. The hour digit will flash.

2. Use the 'UP' or 'DOWN' buttons to adjust the hour.

3. Press 'SET' to confirm and move to the next setting (minute, year, month, day, 12/24 hour format).

4. Repeat steps 2 and 3 until all settings are complete. Press 'SET' again to exit setting mode.

6.2 Setting the Alarm

1. Press the 'ALARM' button once to display the alarm time.

2. Press and hold the 'ALARM' button for 3 seconds to enter alarm setting mode. The hour digit will flash.

3. Use 'UP' or 'DOWN' to adjust the hour, then press 'ALARM' to confirm and move to minutes.

4. Adjust minutes and press 'ALARM' to confirm.

5. Press 'ALARM' repeatedly to toggle the alarm ON/OFF. An alarm icon will appear on the display when activated.

6.3 Snooze Function

When the alarm sounds, press the 'SNOOZE/LIGHT' button on top of the unit to activate the snooze function. The alarm will sound again after approximately 5 minutes.

6.4 Temperature Unit Selection (°C/°F)

Briefly press the 'DOWN' button to switch between Celsius (°C) and Fahrenheit (°F) display for temperature.

6.5 Barometric Pressure Display

The weather station displays barometric pressure in hPa/mb. The trend indicator shows whether the pressure is rising, falling, or stable, which contributes to the weather forecast.

6.6 Sunrise & Sunset Time Display

The unit displays sunrise and sunset times. **Note:** Currently, the city name display function for sunrise/sunset is only supported in European regions. Software upgrades are in progress to support global city names.

6.7 Indoor Comfort Display

The display includes an indoor comfort indicator (Dry, Comfort, Wet) based on current indoor temperature and humidity levels.

6.8 Heat Index and Dew Point

Press the 'HEAT/DEW' button to cycle through the display of Heat Index and Dew Point values, providing additional environmental information.

7. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and outdoor sensor when the low battery indicator appears on the display. Ensure correct polarity.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	Outdoor sensor out of range or batteries low/dead.	Relocate sensor closer to main unit. Replace sensor batteries. Press and hold 'DOWN' button on main unit to re-sync.
Incorrect time/date.	Time not set correctly or power interruption.	Reset time and date as per Section 6.1. Ensure continuous power via USB if desired.
Display is dim or blank.	Main unit batteries low/dead or USB power disconnected.	Replace main unit batteries or connect USB power cable.
Weather forecast seems inaccurate.	Weather forecasts are based on barometric pressure trends and are estimates.	This is normal. The device provides a local forecast based on pressure changes, not a professional meteorological forecast.

9. SPECIFICATIONS

Feature	Specification
Brand	DIGOO
Model	DG-8988
Indoor Temperature Range	0°C ~ 50°C (32°F ~ 122°F)
Outdoor Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Indoor/Outdoor Humidity Range	1%RH ~ 99%RH

Feature	Specification
Barometer Range	800 hPa/mb - 1100 hPa/mb
Wireless Transmission Range	Up to 30m (98ft) in open air
Main Unit Power Supply	DC5.0V, 1A (USB connection) or 3 x AAA batteries (not included)
Outdoor Sensor Power Supply	2 x AA batteries (not included)
Display Type	HD LCD Color Screen
Special Features	Alarm with Snooze, Calendar, Weather Forecast, Barometric Display, Comfort Function, Sunrise/Sunset Times, Heat Index, Dew Point

10. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration.
For technical support or warranty claims, please contact your retailer or the manufacturer's customer service. Keep your proof of purchase for warranty validation.