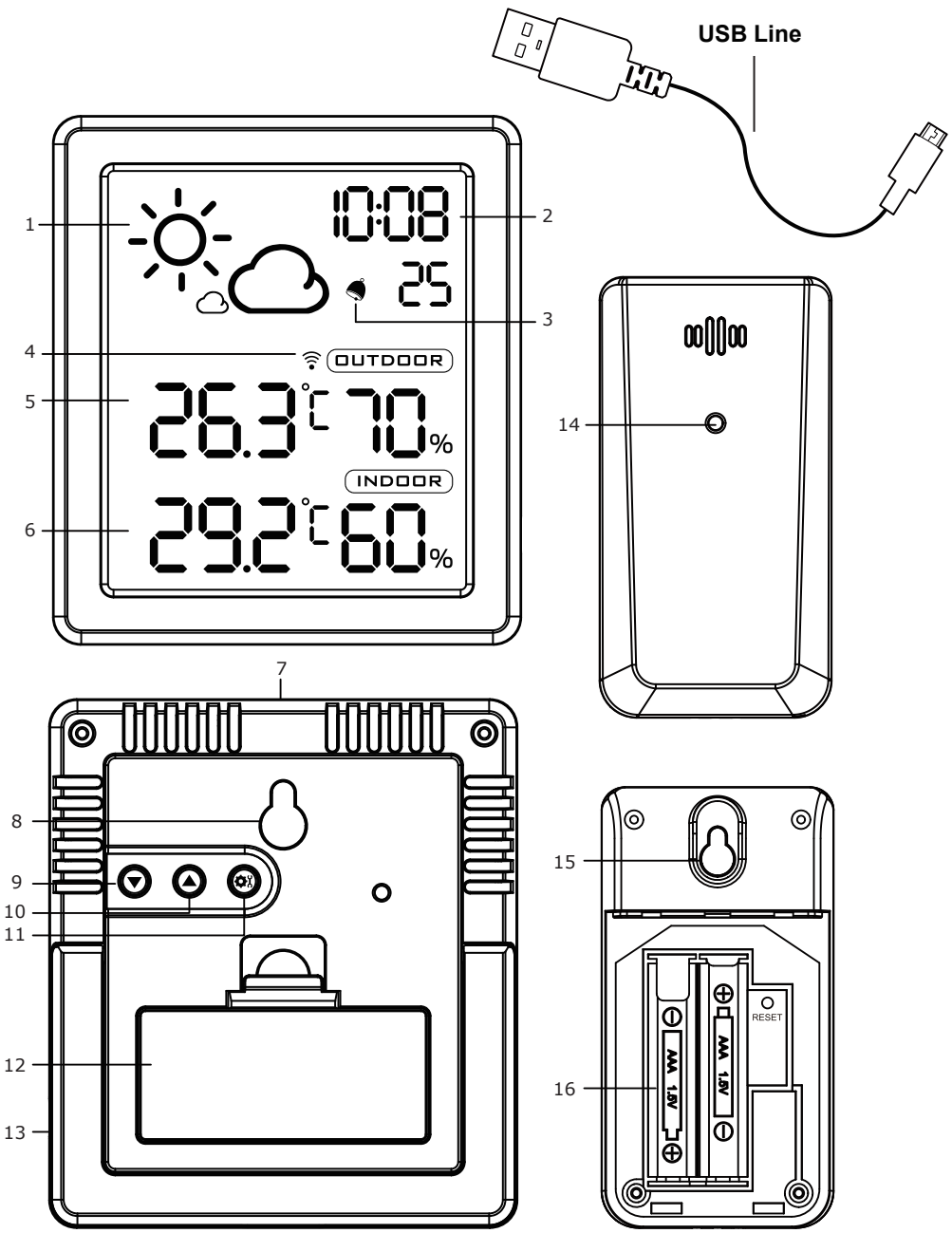
USER MANUAL
Weather station Clock
DG-8647



Features & Benefits:

DISPLAY UNIT & OUTDOOR SENSOR

1. Icons weather forecast
2. Time display
3. Alarm and snooze icons
4. Outdoor sensor signal strength
5. Outdoor temperature and humidity
6. Indoor temperature and humidity
7. SNZ/LIGHT button
8. Integrated hang hole
9. DOWN button
10. UP button
11. MODE button
12. Battery Compartment 2xAAA (batteries not included)
13. External power supply socket
14. Wireless signal indicator (Flashes when data is being sent to the display unit)
15. Integrated hang hole
16. Compartment 2xAAA batteries (batteries not included)

Package Contents:

1. Display Unit
2. Outdoor Sensor
3. USB Line
4. Instructions Manual

Installing or Replacing Batteries:

We recommend using high quality batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended. The outdoor sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly.

Do not mix old and new batteries. Do not mix alkaline, standard, and/or rechargeable batteries.

Note: The battery is only used as a backup battery, don't use as main power supply, please use the USB line.

Default settings:

1. Default time: 0:00 (Time form: 24H)
2. Weather forecast: Partly Sunny
3. Default temperature: °C
4. Default alarm: AM 7:00, default snooze time: 5min.

The LCD display fully for 3 seconds when changing new battery or resetting, then with a sound BI into the normal state, after testing temperature and humidity ,receiving RF for 3 minutes.

Display / Keys Details:

There are totally 4 keys for the alarm clock, they are included: **MODE, UP, DOWN, SNZ/LIGHT**

1. MODE buttons:

a. Press and hold for 3 seconds during normal mode to enter setting mode.
b. Press MODE button during normal mode to switch the time and alarm display.

2. UP buttons:

a. Press to increase the setting value during setting.
b. Press and hold 2 seconds button for fast adjust during setting mode.
c. In normal display mode, press this button to display max/min temperature/humidity.
d. Press and hold the "UP" button 2 seconds to clear the record of MAX/MIN temperature and humidity when display shows MAX or MIN temperature and humidity.

3. DOWN button:

a. Press to decrease the setting value during setting.
b. Press and hold 2 seconds button for fast adjust during setting mode.
c. In normal display mode, press this button to switch between Celsius and Fahrenheit at any time.
d. In normal display mode, press and hold to clear data and search RF.

4. SNOOZE/LIGHT button:

a. Press to activate the snooze function when alarming

b. Press this button to open or close backlight (with USB line).

Manually Setting the Time:

Press and hold down the **"MODE"** button for 2 seconds the hour display starts to flash, use **"UP"** or **"DOWN"** buttons to set the correct hour.

Press **"MODE"** button to confirm your setting, the minute display starts to flash, use **"UP"** or **"DOWN"** buttons to set the correct minute.

Press **"MODE"** button to confirm your setting and to end the setting procedures, enter the normal mode.

NOTE: You will automatically exit settings mode if no buttons are pressed for 20 seconds. Enter settings mode again at any time by pressing and holding the **MODE** button for 3 seconds.

Setting the Alarm:

a. In normal display mode, press **"MODE"** button to enter alarm mode, press and hold the **"MODE"** button, located on the back of the display unit for about 3 seconds to set the alarm time. The alarm hour will begin blinking on the display where the clock time is usually shown.

b. To adjust the alarm hour, press the **"UP"** or **"DOWN"** buttons (press and hold to fast adjust). When alarm hour is set to your satisfaction, press the **"MODE"** button to proceed to the alarm minute preference. Press the **"UP"** or **"DOWN"** buttons (press and hold to fast adjust), press the **"MODE"** button again to exit alarm settings

c. To turn the alarm ON or OFF, press the **"MODE"** button to enter alarm mode, press the **"UP"** or **"DOWN"** button again to ON or OFF the alarm. The "🔔" symbol should show next to the seconds display when alarm is set to ON. Press the **"UP"** or **"DOWN"** button again to turn off the alarm, when the alarm is set to OFF, the "🔔" symbol should not display.

d. When the alarm is in operation it will begin beeping with one short beep and continue with many short beeps if the alarm rings longer than 20 seconds. You can snooze the alarm for 5 minutes by pressing the **SNZ/LIGHT** button.

Indoor / outdoor temperature and humidity

1. Indoor temperature -9.9°C ~ 50°C (14.2°F ~ 122°F), display LL.L when below -9.9°C and display HH.H when higher than 50°C.
2. Outdoor temperature -50°C ~ 70°C (-58°F ~ 158°F), display -50°C when below -50°C and display 70°C when higher than 70°C.
3. Temperature resolution: 0.1°C
4. Indoor and outdoor humidity range: 20%-95%, display 20% when below 20% and display 95% when higher than 95%.
6. Humidity resolution: 1 %RH
7. When alarm ringing, temperature and humidity test will be stopped.

Accuracy

1. Temperature accuracy:
   -40°C ~ -20°C: ± 4°C
   -20°C ~ 0°C: ± 2°C
   0°C ~ +50°C: ±1°C

Note: when the temperature in -50°C ~-40 & 50°C ~ 70°C range, the temperature is only for reference.

2. Humidity accuracy: +/- 5 % RH (@25°C , 30%RH to 50%RH);
   +/- 10 % RH (@25°C , 20%RH to 29%RH, 51%RH to 99%RH)

Setting the Temperature Units:

To switch the temperature measurement between Celsius and Fahrenheit, press the **"DOWN"** button which is also the C/F option button. You can switch between Celsius and Fahrenheit at any time (except when setting other setting options.)

Checking the MAX/MIN temperature and humidity

a. Press the **"UP"** button to check MAX/MIN temperature and humidity.

b. Press and hold the **"UP"** button to clear the record of MAX/MIN temperature and humidity when display shows MAX or MIN temperature and humidity.

Back Light:

When the display unit is powered by the USB line the back light will always remain on. Press the **SNOOZE/LIGHT** button to adjust the brightness of the back light between ON / OFF.

Low Battery Indicator:

If the low battery indicator is displayed on the LCD for either the outdoor sensor or the display unit, immediately change the batteries to prevent disruptions in communications of the devices.

Weather Forecast:

a. The unit predicts weather condition of the next 12-24 hours based on the change of outdoor temperature and humidity. The weather forecast is based on outdoor temperature and humidity change and is about 40-45% correct.

The following are icons that will show:

Sunny Partly sunny Cloudy Rainy Snowy

NOTE: The weather forecast can be more accurate only under the condition of natural ventilation, in indoor conditions, especially in air-conditioned rooms, there will be not accurate.

Placement of the Device:

Proper placement of both the display unit and the outdoor sensor are critical to the accuracy and performance of this product.

DISPLAY UNIT PLACEMENT

Place the display unit in a dry area free of dirt and dust. Display unit stands up right for tabletop/countertop use.

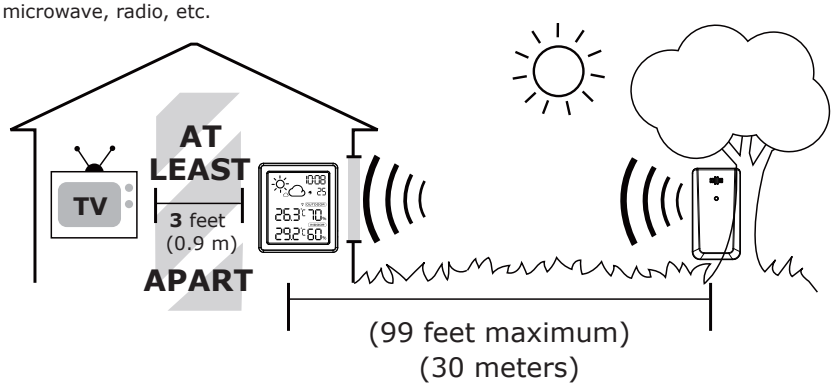
Important Placement Guidelines

a. To ensure accurate temperature measurement, place units out of direct sunlight and away from any heat sources or vents.

b. Display unit and outdoor sensor must be within 99ft (30m) of each other.

c. To maximize wireless range, place units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.

d. To prevent wireless interference, place both units at least 3ft (1 m) away from electronic devices (TV, computer, microwave, radio, etc.



OUTDOOR SENSOR PLACEMENT

a. The sensor must be placed outside to observe outdoor conditions. It is water resistant and designed for general outdoor use, however, to prevent damage place the sensor in an area which is protected from the direct weather elements and direct sunshine. The best location is 4 to 8 feet above the ground with permanent shade and plenty of fresh air to circulate around the sensor.

b. Display unit and outdoor sensor must be within 100 feet of each other.

c. In order to maximize the wireless range, place units away from large metallic items, thick walls, metal surfaces or other objects that may limit wireless communications.

d. To prevent wireless interferences, place both units at least 3 feet away from electronic devices (EX: TV, computer, microwave etc.)