DP-866   USER MANUAL

INTRODUCTION

Thank you for selecting the Double Power Weather Station (DP-866). This device bundles precise time keeping, weather forecast, and indoor and outdoor temperature and humidity monitoring features into a single tool you can use from the convenience of your home.
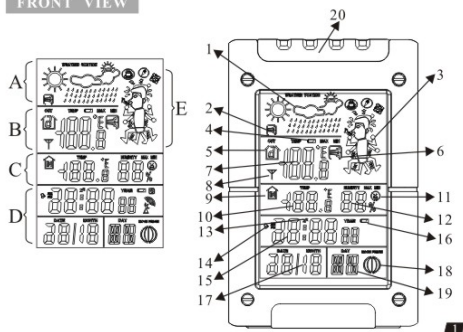
In this box, you will find :
- Main unit
- Remote sensor
- User manual

Keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know.
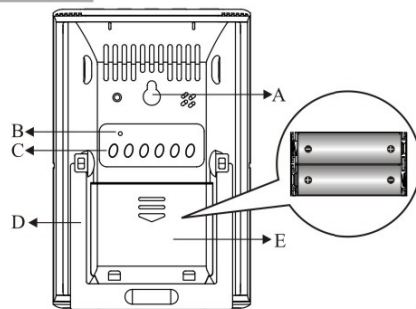
PRODUCT OVERVIEW

FRONT VIEW

LCD DISPLAY

A. Weather Forecast Area
B. Outdoor Temperature Area
C. Indoor Temperature and Humidity Area
D. Clock/Alarm/Calendar Area
E. Dressing Indicator Area

1. Weather display
2. Weather tendency display
3. Dressing display
4. Low battery icon for sensor
5. Sensor signal
6. Outdoor temperature tendency indicator
7. Outdoor temperature
8. Outdoor signal reception
9. Indoor icon
10. Indoor temperature
11. Comfort level icon
12. Indoor humidity
13. Snooze activated
14. Alarm activated
15. Time display
16. Low battery icon for Main unit
17. Calendar
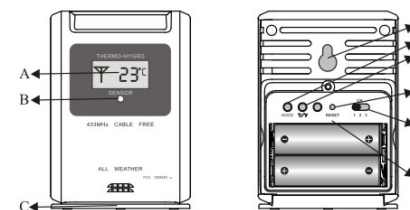18. Moon phase display
19. Weekday display
20. Light/Snooze

BACK VIEW

A. Wall mount hole
B. **RESET** hole
C. Key area
  a. MAX/MIN: View current，maximum/minimum temperature/humidity readings
  b. UP: Increase setting；Activate or deactivate alarm
  c. DOWN: Decrease setting；℃/℉ switch
  d. CHANNEL: Switch remote sensor；Force a manual search for RF signal
  e. ALARM: View alarm status；Set alarm
  f. CLOCK: 12h/24h switch；Set time
D. Table stand
E. Battery compartment

REMOTE SENSOR VIEW

A. LCD display
B. Transmit indicator
C. Table stand
D. Wall mount hole
E. Key area

1. **MODE**: Temperature\humidity switch
2. ℃/℉ switch
3. **RESET**: hole
4. **CH**: channel number (1-3)

GETTING STARTED

1. Open the remote sensor battery compartment and insert the batteries, matching the polarity as shown in the battery compartment. Then put the batteries into the main unit by the same way.
2. Set the channel. The switch is located in the battery compartment.
3. Place the remote sensor near the main unit. Press "**RESET**" on the sensor. Then, press and hold "**CHANNEL**" for 3 seconds on the main unit to initiate signal sending between the sensor and the main unit. The reception icon on the main unit will blink for approximately 3 minutes while it is searching for the sensor.
4. Close the battery compartment of remote sensor and main unit.
5. Secure the sensor and main unit in the desired location using the wall mount or table stand.

❶ **ATTENTION：**
* Insert the batteries and select the channel before you mount the sensor.
* Place the sensor out of direct sunlight and moisture.
* Do not place the sensor more than 30 meters from the main unit.
* Position the sensor so that it faces the main unit, minimizing obstructions such as doors, walls and furniture.
* Place the sensor in a location with a clear view to the sky, away from metallic or electronic objects.
* Position the sensor close to the main unit during cold winter months as below-freezing temperature may affect battery performance and signal transmission.
   You may need to experiment with various locations to get the best results.

REMOTE SENSOR

This product is shipped with a Thermo / Hygro sensor that collects temperature and humidity data. Data can be collected from up to 3 sensors. Additional sensors sold separately.

DATA TRANSMISSION

Data is sent from the sensor(s) every 2 minutes. The reception icon shown in the out temperature area show the status.

- -- -	The selected sensor cannot be found. Search for the sensor or check batteries
(antenna icon)	Sensor is sending data
(channel icon)	Channel 1 is selected (number will change depending on the sensor you select)

SEARCH FOR SENSOR

To search for a sensor, press and hold "**CHANNEL**" (on the main unit) for 3 seconds.

❶ **NOTE**
If the sensor is still not found, please check the batteries, obstructions and RF sensor location .

❶ **NOTE**
Signals from household devices such as doorbells, electronic garage doors, and home security systems may cause temporary reception failure. This is normal and does not affect general product performance. The reception will resume once the interference ends.

CLOCK

SET CLOCK /CALENDAR

1. Press and hold "**CLOCK**" for 3 seconds in time mode, The clock area will blink .

2. Select the year, month, day, day of the week language, hour, minute. Press "**UP**" or "**DOWN**" to change the setting.

3. Press "**CLOCK**" to confirm.

The language options are English, German, French, Italian, Dutch, Spanish, Denmark .

Language	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
English (EN)	MO	TU	WE	TH	FR	SA	SU
German (GE)	MO	DI	MI	DO	FR	SA	SO
French (FR)	LU	MA	ME	JE	VE	SA	DI
Italian (IT)	LU	MA	ME	GI	VE	SA	DO
Dutch (NE)	MA	DI	WO	DO	VR	ZA	ZO
Spanish (ES)	LU	MA	MI	JU	VI	SA	DO
Denmark (DA)	MA	TI	ON	TO	FR	LO	SO

ALARM

This product is equipped with a 2-minute crescendo alarm.

VIEW ALARM SETTINGS

Press "**ALARM**", the alarm time and alarm status will show in the clock area.

SET ALARM

1. Press "**ALARM**" to switch to alarm display.
2. Press and hold "**ALARM**" for 3 seconds. The alarm settings will blink.
3. Select the hour and minute. Press "**UP**" or "**DOWN**" to change settings. Press "**ALARM**" to confirm.

ACTIVATE ALARM

Press "**UP**" to activate or deactivate the alarm. "(bell icon)" Shows in the clock Area when the alarm is activated.

SILENCE ALARM

When the alarm time is reached，the crescendo alarm will sound for 2 minutes. To silence the alarm:

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- Press " **LIGHT/SNOOZE** " to silence it for 5 minutes.
  OR
- Press any key except " **LIGHT/SNOOZE** " to mute the alarm and activate it again after 24 hours.

⦿**NOTE**

If no button is pressed，the alarm will be activated again after 24 hours.

WEATHER FORECAST

This product forecasts the next 4 to 8 hours of weather with 70-75 percent accuracy. The weather forecast is always displayed.

| SUNNY	PARTLY CLOUDY	CLOUDY	RAINY

WEATHER TENDENCY INDICATOR

Working together with the weather icons is the weather tendency indicators (located on the left side of the weather icons). When the indicator points upwards, it means that the weather is expected to improve, but when indicator points downwards, the weather is expected to become worse.

Taking this into account, one can see how the weather has changed and is expected to change. For example, if the indicator is pointing downwards together with cloud and sun icons, then the last noticeable change in the weather was when it was sunny(the sun icon only). Therefore, the next change in the weather will be cloud with rain icons since the indicator is pointing downwards.

DRESSING INDICATOR

One of the 7 different temperature level (featured by cartoon boy with different dressing) is displayed on the right of LCD, which indicates the current outdoor temperature (Temperature value detected by channel 1).

<8℃ (<46.4℉)	8℃-12℃ (46.4℉ ∼53.6℉)	12℃-16℃ (53.6℉ ∼60.8℉）	16℃-20℃ (60.8℉ ∼68℉)	20℃-24℃ (68℉ ∼75.2℉)	24-28℃ (75.2℉ ∼82.4℉)	>28℃ (>82.4℉)

TEMPERATURE AND HUMIDITY

This product can display current, maximum and minimum temperature information collected by the outdoor sensors and display current, maximum and minimum temperatures and humidity percentage information collected by the (main unit)indoor sensors.

Outdoor data is collected and displayed every 2. 5 minutes.
Indoor data is collected and displayed every 10 seconds.

SELECT TEMPERATURE UNIT

In the Main Unit, press " **DOWN** " key to switch between Celsius(℃) and Fahrenheit(℉) display.

In the Remote Sensor unit, press " **℃/ ℉** " key to switch between Celsius(℃) and Fahrenheit(℉) display.

SELECT CHANNEL NUMBER

Press " **CHANNEL** " to switch between sensors 1-3. The icon shows the selected sensor.

ICON				
DISPLAY	Indoor Display	Remote Display Channel 1	Remote Display Channel 2	Remote Display Channel 3

⦿**NOTE**

After turn on the unit, the receiving turn will be as that: RF receiving mode → Normal display mode.

To force a manual search for outdoor sensor signal. Press and hold " **CHANNEL** " for 3 seconds, press it again to exit.

MAXIMUM/MINIMUM RECORDS

The " **MAX\MIN** " button is located in the main unit. Press " **MAX\MIN** " to toggle between current，maximum and minimum records. To clear the records, press and hold " **MAX\MIN** " for 3 seconds. A beep will sound to confirm that the memory has been cleared.

MOON PHASE

The Calendar must be set for this feature to work，see " Set Clock" section.

New Moon	Waxing Crescent	First Quarter	Waxing Gibbous	Full Moon	Waning Gibbous	Last Quarter	Waning Crescent

THE COMFORT LEVEL INDICATOR

Comfortable : A happy face icon " 😊 " indicating a temperature level between 20℃ ~ 27℃ and relative humidity reading between 40% ~ 70% .

Ordinary : A ordinary face icon " 😐 " indicating a temperature level between 20℃ ~ 27℃ and relative humidity reading more than 70%.

Uncomfortable: A sad face icon " ☹ " indicating any value outside the comfortable or ordinary range.

ICON	ZONE	TEMPERATURE	HUMIDITY
😊	COM	20-27℃ (68℉∼80. 6℉)	40-70%
😐	WET	20-27℃ (68℉∼80. 6℉)	>70%
☹	DRY	Any	<40%

RESET SYSTEM

Press " **RESET** " when you change the batteries and whenever performance is not behaving as expected (for example, unable to establish radio frequency link with remote sensor).

SAFETY AND CARE

Clean the product with a slightly damp cloth and alcohol-free, mild detergent. Avoid dropping the product or placing it in a high-traffic location.

WARNINGS

This product is designed to give you years of service if handled properly. Double Power will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product. Observe the following guidelines：

- Never immerse the product in water. This can cause electrical shock and damage the product.
- Do not subject the main unit to extreme force, shock or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.

⦿**NOTE**

The technical specification of this product and contents of this user guide are subject to change without notice. Images not drawn to scale.

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Calendar	Strange date / month	Change language
Clock	Cannot adjust clock	1.Adjust batteries 2.Press " **RESET** "
Temp	Shows "LLL" or "HHH"	Temperature is out-of-range
Remote sensor	Cannot change channel	Check sensor, only one sensor is working
	Data does not match main unit	Initiate a manual sensor search

SPECIFICATIONS

MAIN UNIT DIMENSIONS

L x W x H : 93 x 140 x 28mm   Weight: 160g without battery

REMOTE SENSOR DIMENSIONS

L x W x H : 66x93x28mm   Weight: 70g without battery

TEMPERATURE

Unit : ℃/ ℉   Resolution : 1℃
Indoor range: 0℃ to 50℃ (32℉ - 122℉)
Outdoor range : -50℃ to +70℃ (-58 - 158℉)

RELATIVE HUMIDITY

Range: 20% to 99%   Resolution: 5%
Memory: Minimum /Maximum

WEATHER FORECAST

Display: Sunny, partly cloudy , cloudy , rainy

REMOTE SENSOR

RF frequency: 433MHZ   Channel NO: 1-3
Range: 30 meters (with no obstructions)

CLOCK

Clock display: HH:MM:SS
Hour format: 12hr AM/PM
          24hr (default)
Calendar ： DD/MM ; weekday in 7 languages (EN ;GE ; FR ;IT ; NE ;ES ;DA)
Alarm: Single alarm with 2-minute crescendo and 5-minute Snooze

POWER

Main unit batteries : 2x1.5V(AA)（Not included）
Sensor batteries : 2x1.5V(AA)（Not included）

⦿**NOTE**

It is recommended that you use alkaline batteries with this product for longer performance.

EC-DECLARATION OF CONFORMITY

Hereby, Double Power, declares that this weather station advanced is in compliance with the essential requirement and other relevant provisions of Directive 1999/5/EC.

A copy of the signed and dated Declaration of Conformity is available on request via our Double Power customer service.

⦿**NOTE**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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