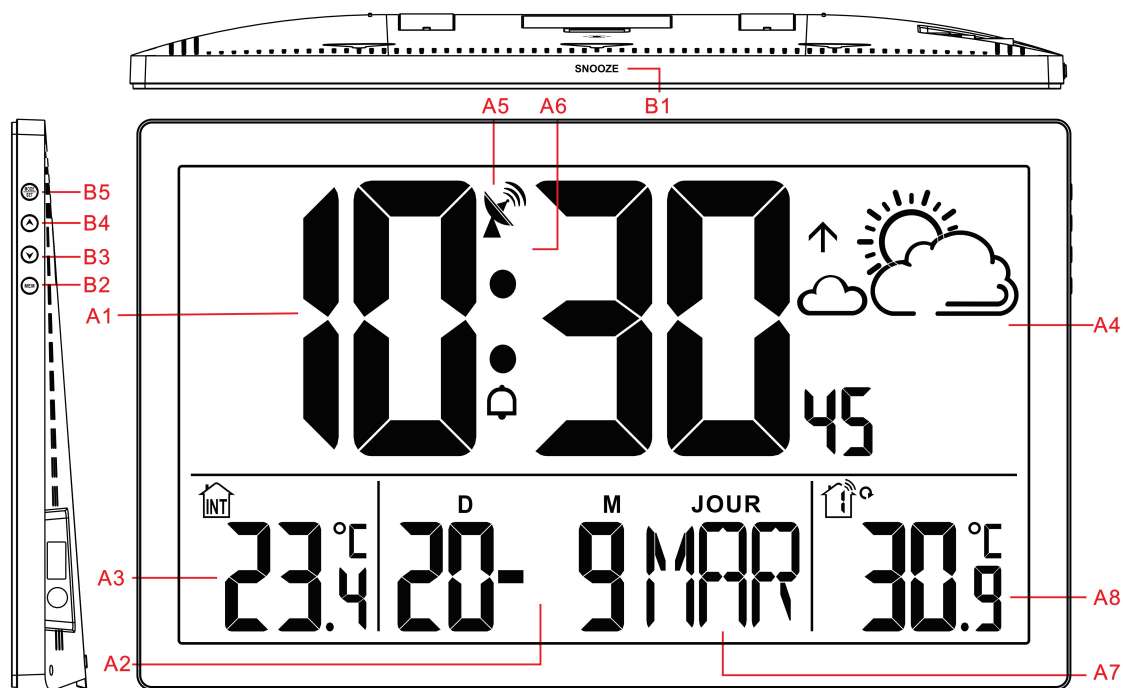




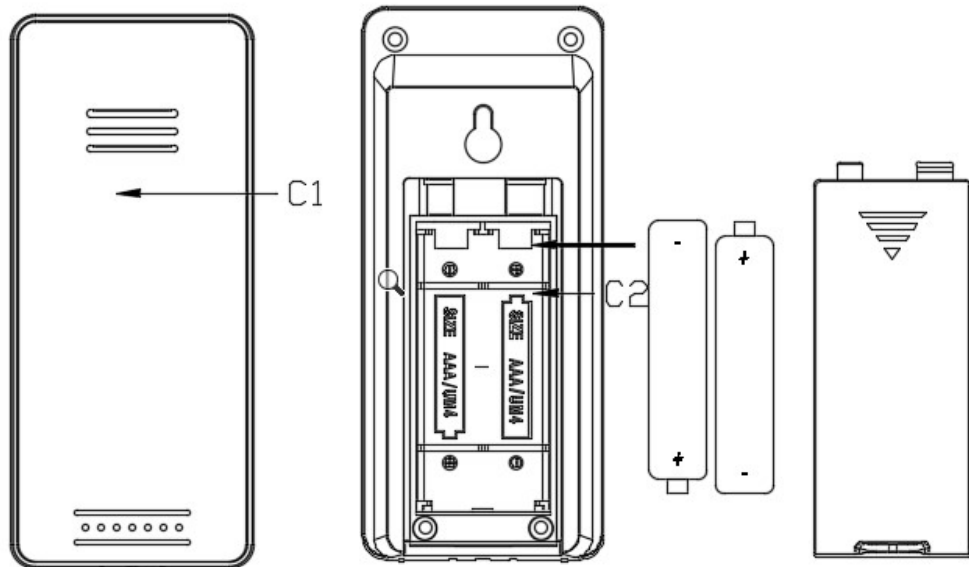
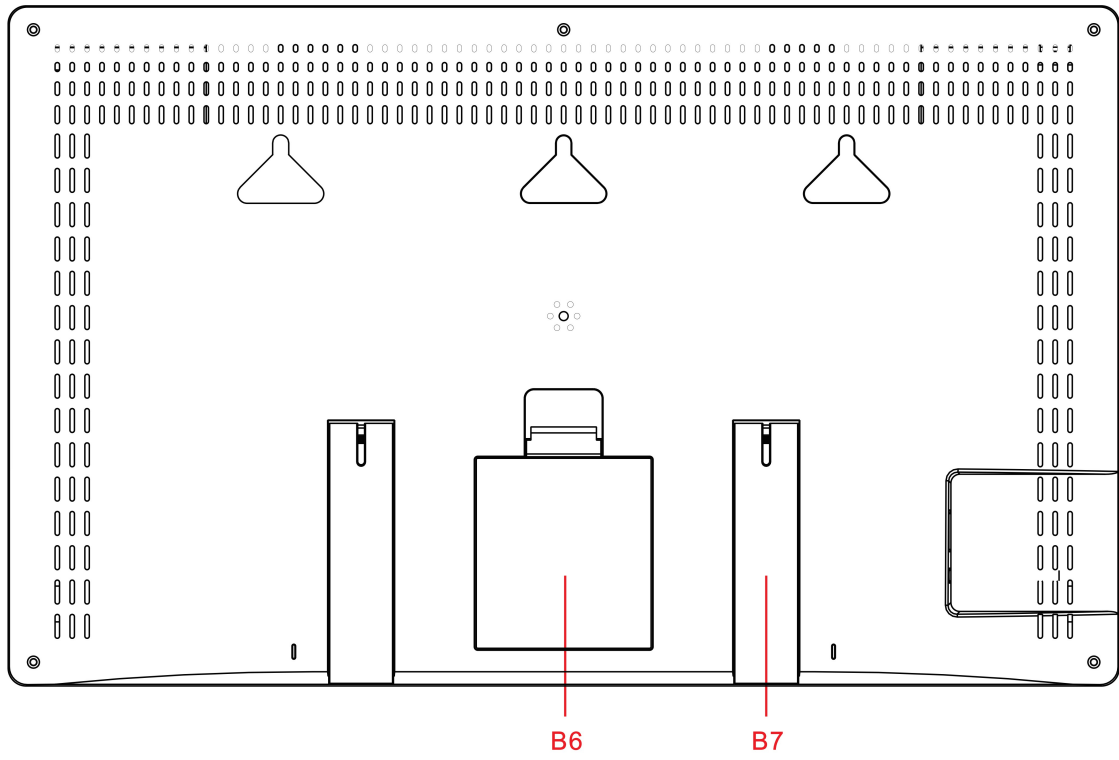
**Features**

- ▶ DCF Radio control time function
- ▶ 433.92MHz wireless outdoor temperature sensor
- ▶ Wireless transmission distance greater than 60 meters in an open area
- ▶ Perpetual Calendar Up to Year 2099
- ▶ Day of week in 7 languages user selectable: English, German, Italian, French, Spanish, Netherlands and Danish
- ▶ Timing optional in 12/24 hour format
- ▶ Daily Alarm Function
- ▶ Snooze function (OFF or 1~30min Selectable)
- ▶ Low battery indicate
- ▶ Temperature measurement ranges:
  - Indoor: -9.9°C ~ 50°C (14.2~122°F)
  - Outdoor: -25°C ~ +60°C ( -13°F ~ 140.0°F )
- ▶ Temperature alternatively optional in °C or °F
- ▶ Ice alert
- ▶ Daily Maximum / Minimum Temperature Record and Query
- ▶ Weather forecasting function
- ▶ Power Supply:
  - Main station : Battery:4 x LR6 AA size
  - Sensor: Battery: 2 x LR3 AAA size

**Production Appearance**



# WS8016 User Manual



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## Part A

- A1: Time
- A2: Date
- A3: Indoor temperature
- A4: Weather forecast pattern
- A5: Radio Controlled Icon
- A6: DST icon
- A7: Day of week
- A8: Outdoor temperature

## Part B

- B1: "MEM" button
- B2: "SNOOZE" button
- B3: "DOWN" button
- B4: "UP" button
- B5: "SET" button
- B6: Battery compartment cover
- B7: Stand cover
- B8: Wall mounting hole



## Part C

- C1: Transmit indicate LED
- C2: Battery compartment cover

## Initial operation



- ▶ Open the Weather Station battery compartment cover
- ▶ Insert 4 x AA batteries with correct polarity 【 "+" and "-" marks】
- ▶ When you insert the batteries, the all icon on the LCD will light up for 3 seconds, and you will hear a beep tone, then detect indoor temperature.
- ▶ The Weather Station will now start to make a connection to the outdoor remote sensor. This operation takes about 3 minutes and will display by a flashing reception RF antenna symbol in the "OUTDOOR" display area on the receiver.
- ▶ This now, Open the remote Sensor battery compartment cover, Insert 2 x AAA batteries with correct polarity 【 "+" and "-" marks】
- ▶ After receiver has created a connection to the outdoor remote sensor, After 3 minutes it will enter the Radio control time receive mode.

## Reception of the Radio signal



- ▶ The Weather Clock will enter RC mode after receiving outdoor temperature or 3 minutes.
- ▶ At 1:00 / 2:00 / 3:00 AM every day, the clock automatically carries out the synchronization procedure with the **DCF** signal to correct any deviations to the exact time, If this synchronization attempt is unsuccessful, the radio mast icon disappears from the display, the system will automatically attempt another synchronization at the next full one hour, This procedure is repeated automatically up to total 5 times.
- ▶ To start manual **DCF** signal reception, press and hold the **B3** button  for 3 seconds. If no signals received within 7 minutes, then the **DCF** signal search stops and start again at the next full one hour.
- ▶ During RC reception , to stop searching radio signal, press the **B3** button  once.

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## F.Y.I.:

- ▶ A flashing radio mast icon indicates that the **DCF** signal reception has started
- ▶ A continuously displayed radio mast icon indicates that the **DCF** signal was received successfully
- ▶ We recommend a minimum distance of 2.5 meters to all sources of interference, such as televisions or computer monitors
- ▶ Radio reception is weaker in rooms with concrete walls (e.g.: in cellars) and in offices. In such extreme circumstances, place the system close to the window.
- ▶ During the RC receive mode, only the **B3** button  is functional, other buttons are not functional, If you want to carry out other functions of operation, please press the **B3** button  to exit the RC receiving mode.





## Manual time setting

- ▶ Press and hold the **B5** button  for 3 seconds, the “ON/OFF ” display starts to flash. Now use “▲” or “▼” buttons to set the radio control function ON or OFF.
- ▶ Press the **SET** button to confirm the item has been set and go to the next one, the sequence of setting items is as follows:  
RCC ON/OFF → TIME format(12/24HR) → ZONE(-12~12) → HOUR → MINUTE → DATE format(D/M or M/D) → YEAR → MONTH → DATE → Language of week → Unit of temperature(°C/°F) → Pattern of weather → Complete setup and exit the setting mode
- ▶ When adjusting the value, you can add or subtract 1 by pressing ▲ or ▼ button once, and quickly add or subtract by pressing and hold it.
- ▶ Weekly language settings are shown in the table below:

| Language    |     | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-------------|-----|--------|--------|---------|-----------|----------|--------|----------|
| Allemand    | ALL | SON    | MON    | DIE     | MIT       | DON      | FRE    | SAM      |
| Anglais     | ANG | SUN    | MON    | TUE     | WED       | THU      | FRI    | SAT      |
| Français    | FRA | DIM    | LUN    | MAR     | MER       | JEU      | VEN    | SAM      |
| Italien     | ITA | DOM    | LUN    | MAR     | MER       | GIO      | VEN    | SAB      |
| Espagnol    | ESP | DOM    | LUN    | MAR     | MIE       | JUE      | VIE    | SAB      |
| Néerlandais | NEE | ZON    | MAA    | DIN     | WOE       | DON      | VRI    | ZAT      |
| Danois      | DAN | SON    | MAN    | TIR     | ONS       | TOR      | FRE    | LOR      |

- ▶ If there is no valid operation within 20 seconds, it will automatically return to normal time mode from the set mode.

## Setting the daily alarms

- ▶ Press **B3**  button once, LCD display the icon , the alarm function is ON, then press once  button, the icon  will disappears from the LCD, the alarm function is OFF.
- ▶ Press once **SET** button, LCD display “6:30AL” (alarm time), then Press and hole **SET** button for 3 seconds until hour of the Alarm time starts to flash. Use the “▲” or “▼” buttons to set the required hour.
- ▶ Press **SET** button to confirm your setting, and the Minute of the Alarm time starts to flash. Use the “▲” or

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“▼” buttons to set the required minute.

- ▶ Press **SET** button to confirm your setting, the snooze time of the Alarm starts to flash. Use the “▲” or “▼” buttons to set the required minute.
- ▶ Press **SET** button to confirm your setting and to end the setting procedure.
- ▶ When adjusting the value, press and hold the “▲” or “▼” key to adjust continuously and quickly

## ***F.Y.I.:***

- ▶ If there is no valid operation within 20 seconds, it will automatically return to normal time mode from the alarm time set mode.
- ▶ The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.
- ▶ When the alarm clock time comes, a gradual beep sound will be emitted.


## **Switching off the alarm signal**

- ▶ While the alarm was sounding, press any buttons except the **B2 SNOOZE** to stop the alarm signal. It is not necessary to reactivate the alarm. It switches itself automatically to the alarm time which has already been set.


## **Snooze function**

- ▶ While the alarm was sounding, press the **B2 SNOOZE** button the alarm signal sounds to get to SNOOZE mode. The alarm signal sounds again after already been set.

## **RF Transmission Procedure**

- ▶ The weather station automatically starts receiving transmission from remote sensor for outdoor temperature after batteries inserted.
- ▶ The remote sensor will automatically transmit temperature signal to the Weather Station after batteries inserted.
- ▶ If the Weather Station failed to receive transmission from remote sensor (“- -.” display on the LCD), press and hold **B4**  button for 3 seconds to receive transmission manually. RF icon flashes on the LCD, the Weather Station to receive the remote sensor.

## **Query Maximum/minimum temperature**

- ▶ When the temperature are shown in the LCD, the weather station began to record temperature maximum and minimum numerical value.
- ▶ Press once  button, the LCD will display maximum value of temperature, the LCD will display the minimum value of temperature if press once **MEM** button again when the maximum value is displayed.
- ▶ At the same time, there are “MAX” or “MIN” displayed on the LCD.
- ▶ The temperature maximum/minimum value will RE records after press and hold **MEM** button 3 seconds, at the same time, there will be “- -.” displayed in the LCD 2 second.
- ▶ The memory value of the day will be automatically cleared at 0:00 every night.


## ***F.Y.I.:***

- ▶ If the temperature reading is below ranges, the **LL.L** will be displayed. If the temperature reading is above

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ranges, the **HH.H** will be displayed.


















## Ice alert

▶ The ice alert symbol  appears and flashing when the outdoor temperature at  $-1.0 \sim +2.9^{\circ}\text{C}$  or  $+30.2^{\circ}\text{F} \sim +37.3^{\circ}\text{F}$ .

## Weather forecasting function

**Warning:** Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.

- ▶ The weather forecast is calculated from evaluation of fluctuations in the barometric pressure and may deviate from the actual weather conditions.
- ▶ The weather symbols indicate the weather fluctuation over the next 8 hours and not the current weather.
- ▶ The weather station displays the following weather symbols:

|                 |   |   |   |
|-----------------|---|---|---|
| Sunny           |    |    |    |
| Slightly cloudy |    |    |    |
| Cloudy          |    |    |    |
| Rainy           |  |  |   |
| Heavy rainy     |  |  |  |
| Snowy           |  |  |  |

## Barometric pressure trend display

↑ The barometric pressure is rising.

↓ The barometric pressure is falling.

If there is no arrow trend, it means the barometric pressure is steady.

## LIABILITY DISCLAIMER

- The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.
- Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.
- All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.
- As stated on the gift box and labeled on the product, reading the “User manual” is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points.

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- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is designed for use in the home only as indication of the temperature.
- The plug on the power adapter (if included) is intended to serve as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.
- No part of this manual may be reproduced without written authorization of the manufacturer.



## **RED DIRECTIVE 2014/53/EU**

Summary of the Declaration of Conformity: We hereby declare that this wireless transmission device does comply with the essential requirements of RED Directive 2014/53/EU

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