AOK-5006B/2039B English manual (US)

Please read the operating instructions carefully to familiarize yourself with the features and modes of operation before using the instrument.

Keep the manual for future reference and pass it on with the device, if you pass on the device to other users.

NOTE: Always remember to use high quality batteries & change them at least once per year.

PACKAGING CONTENTS

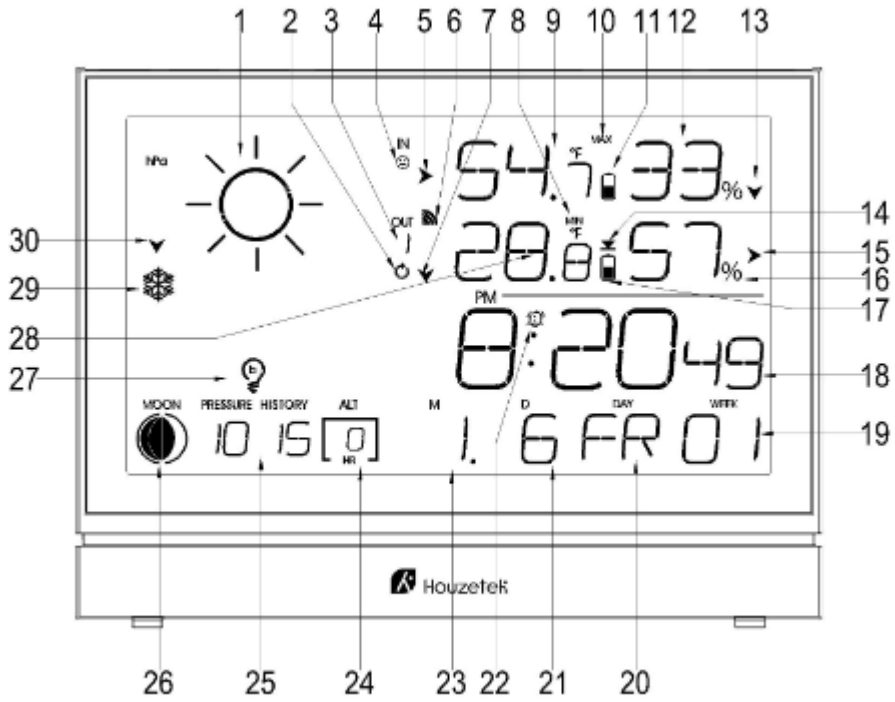
1 x weather station

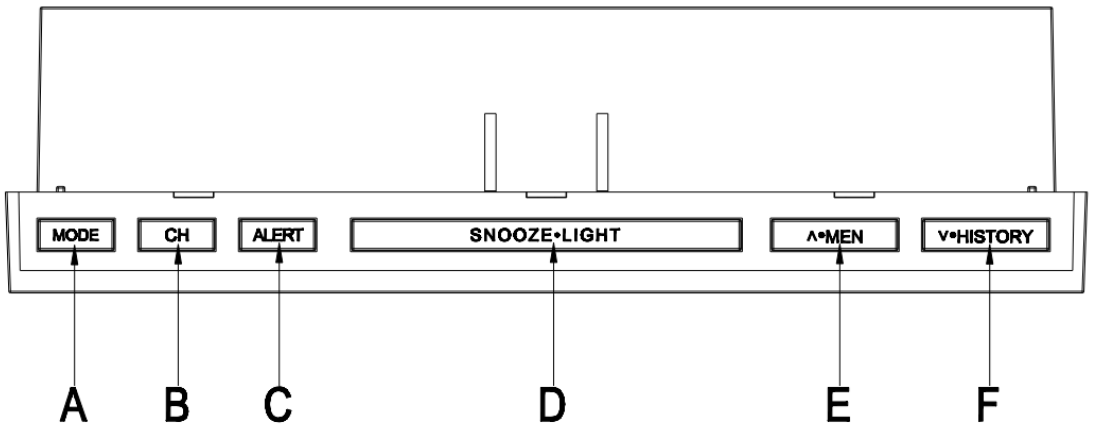
1 x outdoor sensor

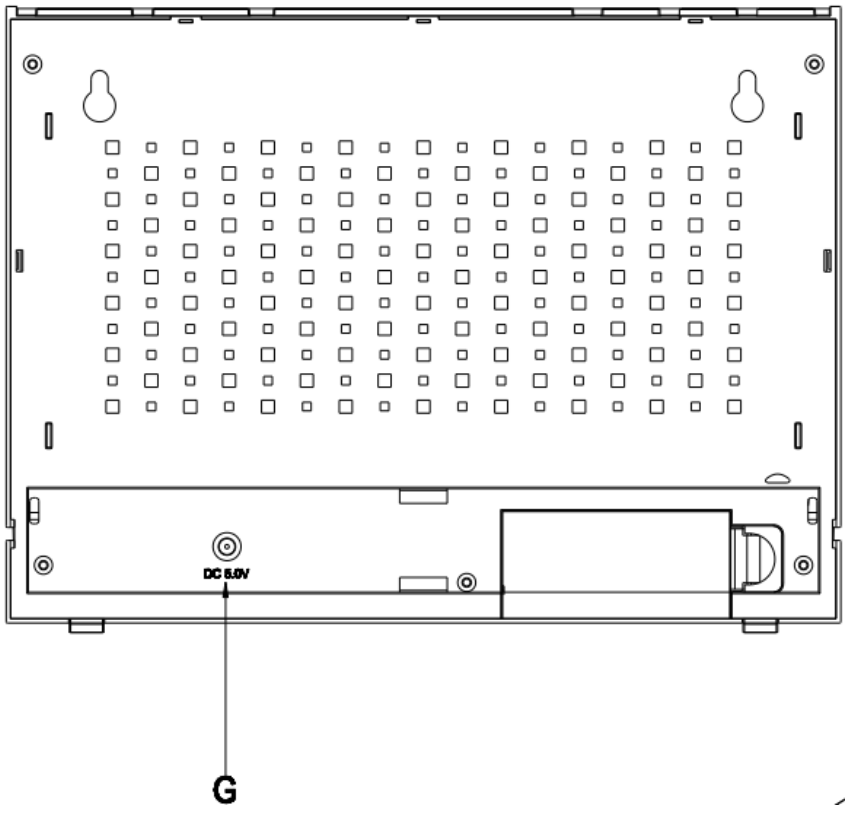
1 x AC adaptor

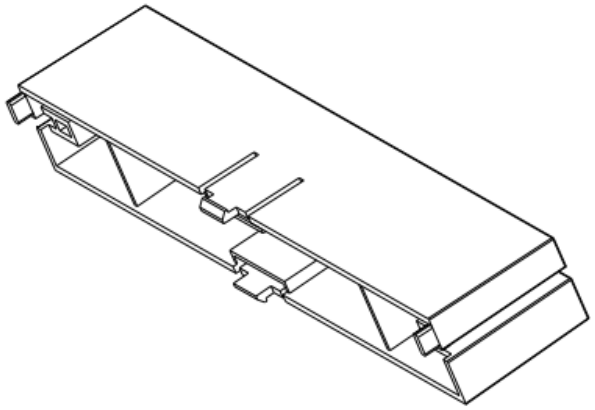
1 x instruction manual

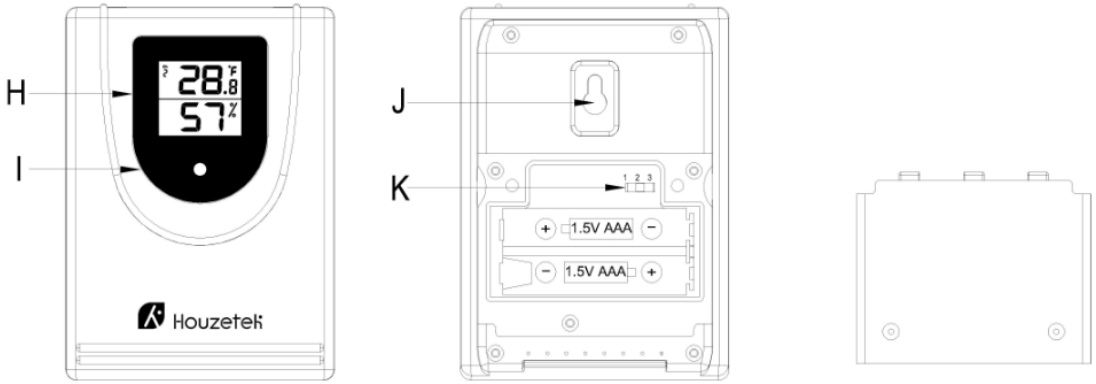
LCD DISPLAY




MODE
CH
ALERT
SNOOZE•LIGHT
∧•MEN
∨•HISTORY
A
B
C
D
E
F


DC 5.0V
G





Overview of icons and buttons

Front side and display：

1. Weather
2. Channel recycling icon
3. Channel
4. Comfort face
5. Trend for indoor temperature
6. RF symbol
7.Trend for outdoor temperature
8. Max/Min for outdoor temperature and humidity
9. Indoor temperature
10. Max/Min for indoor temperature and humidity
11.Low battery for indoor unit
12. Indoor humidity
13.Trend for indoor humidity
14. Alert for outdoor temperature
15.Trend for outdoor humidity
16. Outdoor humidity
17.Low battery for outdoor sensor
18.Time
19. WEEKS
20.Day of week
21. Month
22. Alarm
23. Date
24. Hour of history
25. Air pressure
26. Moon phase
27.Light a/b/c mode
28.Outdoor temperature
29.Icy alert
30. Trend for air pressure

Top side:

	Press button	**Press and hold (3 seconds)**
(A) MODE	Time/Alarm1/Alarm 2 switching	Setting the time format, time zone shift, hours, year, date, day of the week language ,,air pressure unit, C/F .
(B) CH	Channel 1、2、3 switching	Re- registration the CHANNEL data
(C) ALERT	ON/OFF temperature ALERT	Setting the temperature ALERT
(D) SNOOZE LIGHT	1. Activates alarm snooze 2. Display black light (when without power adaptor plugged in)	Air pressure reading adjust

(E) /\•MEM	Check the MAX/MIN temperature and humidity data ; One step forward in	Clear the MAX/MIN temperature and humidity data
(F) \/ •HISTORY	Check the history of air pressure One step back in setting	

.G**= DC 5.0V adaptor power jack**

Wireless sensor

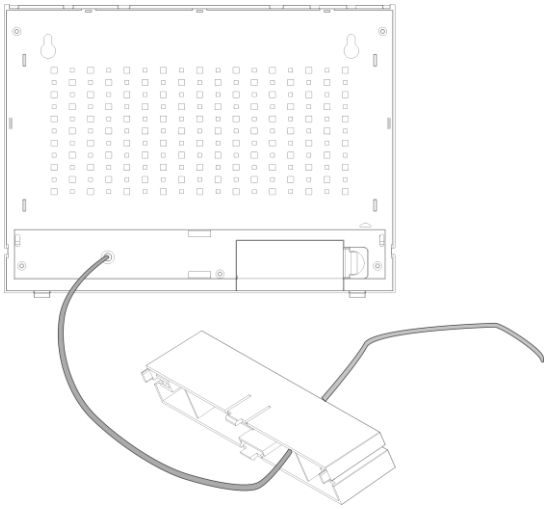
H= Outdoor temperature and humidity
I = LED of signal transmission from the sensor
J = A hole to hang the device on the wall
K= channel switch

Getting Start with Power Supply

Insert Batteries
1. Gently remove the stand downwards and remove battery compartment cover from the main unit.
2. Insert the batteries, matching the polarities (+/-).

DC Power :

1. Put the power cable pass through the hole in the stand, plug the power cable to the power jack and plug the power adapter into a suitable power outlet.



NOTE — It is recommended to insert the battery as a backup power.

Remote Sensor

1. Open the remote sensor battery door, insert the batteries, matching the polarities (+/-)
   Note: To prevent water from entering the sensor, it is important to make sure the battery lid closes tightly.

2. Place the sensor near the main unit in order to establish an effective wireless transmission. Do not place the sensor outside until the transmission have be confirmed.
3. Observe the indoor unit LCD screen to see OUT temperature and humidity displayed to confirm the transmission completed

NOTES:

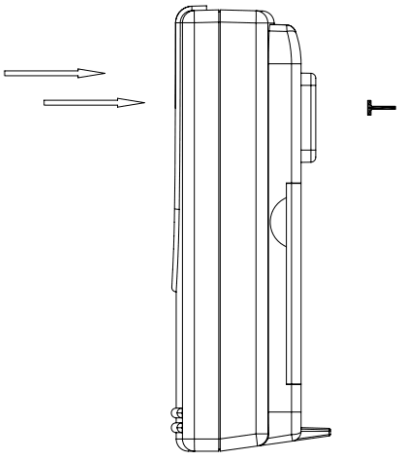
- First plug in the adaptor or insert the batteries of main unit, then insert the batteries of the outdoor sensor in 3 minutes after the main unit is powered on, to assure of the sensor data received well.
  In case of the outdoor sensor data received failure, please press "**CH"** key for more than 3 seconds to synchronize the RF signal.
- Every time the power adaptor unplugged and with no batteries inserted, the main unit will lose all the weather data.
- Every time the outdoor sensor batteries are replaced, the sensor will synchronize with the main unit again. You must press the "**CH"** key for more than 3 seconds to synchronize the RF signal.

Mounting the main unit

The main unit can be placed onto any flat surface or wall mounted at the desired location by hanging hole, It is important to check that the radio signals (from the sensors and from the DCF77 time signal) can be received before mounting.

Mounting the outdoor sensor

Suggest the outdoor sensor to be hung on as below showing, better not stand it at outside place,try to avoid direct sun shine or rain as much as possible.



Initial Operation

- After inserting the batteries or adaptor plugged in, the altitude flashing in meters, press **"** ∧ •MEM **"** or **"**∨ •HISTORY **"** to set the altitude of your position, then press **"SNOOZE•LIGHT"** to confirm

- The weather icon flashing, press **“** ∧ •MEM **“** or **“**∨ •HISTORY” to choose the weather, then press **”SNOOZE/LIGHT”** to confirm
- The main unit will connect with the outdoor sensor by RF signal.
  The RF signal symbol at the out area will flash.
- This process takes about 3 minutes. Then the display shows the outdoor temperature /humidity, in case of failure of reception , please press “CH**“** for more than 3 seconds to receive again.

Information

- Please observe a minimal distance of 2.5m to sources of interference such as televisions or computer screens.
- The radio signal is weaker in rooms with concrete walls (e.g. in the basement) and in office buildings. For extreme cases, please put the main unit near a window.
- There are less atmospheric disturbances at night. A radio time signal reception is usually possible at that time. One synchronization per day is sufficient to keep the time display accuracy at 1 second.

Wireless connection to the outdoor sensor

- You can read the data of up to 3 sensors at one weather station.
- Use the sliding switch for each outdoor sensor to select the outdoor sensor channel
- Press the key “**CH**“ in main unit to select a channel.
- Press and hold the key “**CH**“ in main unit for 3 seconds to search for outdoor sensor .

Manual set-up

- In standard mode, press and hold key **“MODE“** for 3 seconds.
- The 12/24 hour flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select
- Press **“MODE “** to confirm.
- The display for the time zone is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the time zone (-12 to +12).
- Press **“MODE “** to confirm.
- The DM/MD flashing, Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select
- Press **“MODE “** to confirm.
- The display for the year is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the year.
- Press **“MODE “** to confirm.
- The display for the month is flashing. Use**“** ∧•MEM **“** or **“**∨•HISTORY” to select the month.
- Press **“MODE “** to confirm.
- The display for the date is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the date.
- Press **“MODE “** to confirm.
- The display for the hour is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the hour.
- Press **“MODE “** to confirm.
- The display for the minutes is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the minutes..
- Press **“MODE “** to confirm.

- The language selection for the display of the weekdays is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the language (GE- German, EN - English, IT - Italian, FR - French, DU - Dutch, SP - Spanish, DA - Danish).
- Press **“MODE “** to confirm
- The hPa/inHg for air pressure flashing, Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select .
- Press **“MODE “** to confirm.
- The C/F for temperature flashing, Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select.
- Press **“MODE “** to confirm.

Information:

- The clock automatically exit the set-up mode if no keys are pressed for 20 seconds.

DST (Daylight saving time)

1.Set up DST ON first (turn on Daylight saving function)

2.The unit will exit the Winter time and enter the Summer time at 2AM on the second Sunday of March

3. The unit will exit the Summer time and enter the Winter time at 2AM on the first Sunday of November

Daily alarm set-up

- Press **“MODE”** to switch to “Alarm1” mode, “A1” and the alarm time displayed

- Press and hold the key “**MODE**” for 3 seconds ,the flashing alarm time are shown
- The hour display of the alarm time is flashing. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the hour. Press “**MODE**” to confirm.
- Then follow the minutes. Use **“** ∧•MEM **“** or **“**∨•HISTORY” to select the minutes,
- Press “**MODE**” to confirm.
- Then press **“MODE”** to switch from A1 display to A2 display
- The same setting as for A2.

Information

- The clock automatically exit setting mode if no keys are pressed for 20 seconds, value already set will be save.

Daily alarm on/off

- Press **“MODE**” to switch from time display to “Alarm 1” or “Alarm 2” mode
- When showing A1 or A2 alarm time, press **“** ∧•MEM **“** or **“**∨•HISTORY” to activate the alarm with alarm symbol showing.
- Press **“** ∧•MEM **“** or **“**∨•HISTORY” again to cancel the alarm

Information:

- The clock automatically exit setting mode if no keys are pressed for 20 seconds, value already set will be save.

Snooze function

To activate the snooze function, follow the steps below

- Press the key "**SNOOZE•LIGHT"**, while the alarm sounds, to activate the snooze function.
- If the snooze function is activated, alarm symbol is flashing.
- The alarm repeat after 5 minutes.
- The snooze function can be stopped by pressing any key.

Outdoor Temperature alert set-up

- Press the key **"ALERT"** to ON / OFF "Temperature alert" When the alert is on,  icon displayed
- Press and hold the key "ALERT" for 3 seconds to enter alert setting, temperature alert upper limit and the  icon displayed.
- Press **"** ∧•MEM **"** or **"**∨•HISTORY" to set the upper alert temperature.
- Pess the key "ALERT" to confirm.
- Temperature lower limit and the  icon displayed, press **"** ∧•MEM **"** or **"**∨•HISTORY" to set the lower alert temperature.
- Pess the key "ALERT" to confirm.

Information

- The clock automatically exit setting mode if no keys are pressed for 20 seconds, value already set will be save.
- The lower alert temperature selected must at least be 1°C below the upper alert selected temperature.

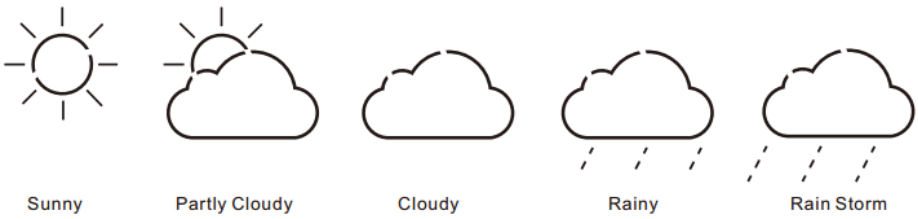
Temperature alert ring:

- When the temperature reach the alert level and when alert turned on, the alert symbol  flash with alert sound
- Press "SNOOZE/LIGHT" key to stop the alert sound, the alert symbol and corresponding temperature still flash until the temperature is out of alert range or when turn off the ALERT

Max. / Min. for the indoor/outdoor temperature and humidity

- Press **"** ∧•MEM **"** to display indoor and outdoor max temperature and humidity,
- Press **"** ∧•MEM **"** again to display indoor and outdoor min temperature and humidity
- Hold **"** ∧•MEM **"** for more than 3 seconds to clear up the max./min.

Weather forecast



Remarks：

- As the weather forecast is calculated by air pressure only, the display will have discrepancy with the actual weather.
- Currently displayed icon means the forecast for the next 12–24 hours. It may not reflect the current state of the weather.

Altitude setting and barometer

- After inserting batteries or plugged in adaptor into the weather station, or by pressing and holding the **"SNOOZE•LIGHT"** button, set your altitude for more precise pressure calculation.
- Use the **"** ∧•MEM **"** or **"**∨•HISTORY" buttons to set a value in the range -190 m to 2000 m (10 m increment). , press **"SNOOZE•LIGHT"** to confirm.
- After setting the altitude, use **"** ∧•MEM **"** or **"**∨•HISTORY" buttons to set the weather forecast icon, press **"SNOOZE•LIGHT"** to confirm
- For accurate barometric pressure trends, the weather station should operate at the same altitude for recordings (i.e. it should not be moved from the ground to the second floor of the house). When the unit is moved to a new location, discard readings for the 12 hours history

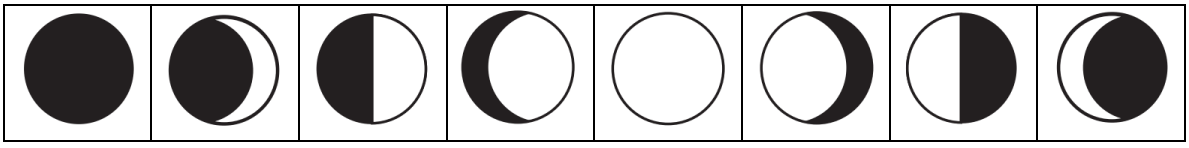
Temperature, humidity and air pressure trends

- The arrow shows the trends of values of the temperature and humidity measurements on sensor or station.

Indications on the display			
Temperature and air humidity trends	Rising	Constant	Falling

Moon phase display

Icons for the main phases of the moon are as follows:



New moon	Waxing crescent	First quarter	Waxing gibbous	Full moon	Waning gibbous	Last quarter	Waning crescent

Ice Alert

- Indoor temperature is lower than 39.2℉(+4°C)， there is ice alert symbol showing on LCD. That means the weather start to be icy.

Temperature and humidity function

- Indoor temp detection range:32℉—122℉(0℃—+50℃)
- RF temp range:4℉- 140℉(-20℃ - 60℃)
- Humidity detection range:20% - 95%
- Detection cycle:30s
- Temp resolution +/- 0.1℃,humidity resolution +/- 1%

Comfort face for living room

The weather station uses saved data to determine the indoor humidity in the living space to show the respective symbols for your health and home environment.

Comfortable	☺	If the indoor humidity is within 40–70 % RH and the temperature within 20–28 °C, the ☺ icon (comfortable environment) will be displayed
Dry	😐	If the indoor humidity is lower than 40 % RH, the 😐 icon (dry environment) will be displayed.
Wet	☹	If the indoor humidity is higher than 70 % RH, the ☹ icon (wet environment) will be displayed.

- If the temperature is not within 20–28 °C and humidity is within 40–70% RH, no icon will be displayed.

Low battery condition display

The weather station displays the low battery condition symbol to remind the batteries of the weather station or the outdoor sensor need to be exchanged.

- Weather station low battery condition display: within indoor area of the display
- Outdoor sensor low battery condition display: in the outdoor area of the display

Backlight

- Press and hold key **"∨ •HISTORY"** for 2 seconds to enter the a/b/c mode setting .
- Press the key**"∨ •HISTORY"** to choose the a/b/c mode (Default mode a).
- In "a" mode ,need to manual select the backlight color .

Press **"SNOOZE•LIGHT" to switch the backlight color:** RED➔GREEN➔BLUE➔LIGHT GREEN➔PURPLE➔LIGHT BLUE➔WHITE➔RED.....

- Press **"MODE "** to confirm
- In "b" mode , the backlight color changed with the weather forecast :

LIGHTGREEN(Sunny)➔RED(Partly Cloudy)➔GREEN(Cloudy)➔BLUE(Rainy)➔PURPLE (Rain Storm)

- Press **"MODE "** to confirm
- In "c" mode , the backlight color changed with the :outdoor temperature:
- Above 86℉ (30 ℃)(RED)➔77~85.82 ℉ (25~29.9 ℃) (LIGHT GREEN)➔68~76.82 ℉ (20~24.9 ℃)(GREEN)➔50~67.82 ℉ (10~19.9 ℃)(WHITE)➔32~49.82 ℉ (0~9.9 ℃) （ LIGHT BLUE)➔31.82~49.82 ℉-0.1℃~-9.9℃（BLUE）➔Below14℉ (-10℃) (PURPLE)
- Press **"MODE "** to confirm
- Default :Without RF ,the backlight color display RED; When the RF is received, the corresponding color is displayed.
- In any mode, press the **"SNOOZE•LIGHT"** and **"∨ •HISTORY"** keys at the same time enter into automatic color changed ,.Each color shows 7S, automatic cycle, Manually press **"MODE "** to confirm the color, and quit the automatic change mode (the program does not set the automatic exit).
- Backlight color switch :RED➔GREEN➔BLUE➔LIGHT GREEN➔PURPLE➔LIGHT BLUE➔WHITE➔RED.....

Troubleshooting

Display screen not working	• Check the batteries in main unit are inserted and power adaptor is plugged in correctly
No outdoor sensor reception	• Check the batteries in sensor are inserted correctly • Battery may need to be replaced • Relocate the weather station and the sensor. The maximum transimission range is 30m without obstriction • Press and hold **"CH"** key for RF reception again • Try to reset the units, take the sensor near the weather station, reinstall the batteries and replug power adaptor, place the sensor outdoor until reception success • Check the distance of the weather station and the sensor from the sources of interference (computer monitors or television sets). It should be at least 1.5 to 2 m during the reception of the signal.
Inaccurate weather forecast	• Currently displayed icon means the forecast for the next 12–24 hours. It may not reflect the current state of the weather. • Set the correct air pressure reading

	• For accurate barometric pressure trends, the weather station should operate at the same altitude for recordings (i.e. it should not be moved from the ground to the second floor of the house). When the unit is moved to a new location, discard readings for the next 12 hours and correct the height adjustment if needed
Wrong temperature	• Check whether the sensor is exposed to direct sunlight.

Technical data

a) Main Unit

- Barometer unit: hPa / inHg
- Barometer pressure measuring range: 850hPa to 1050hPa
- Weather display: Sunny, Slightly Cloudy, Cloudy, Rainy, Storm
- Temperature unit: °C / °F
- Temperature measurement range: 32℉—+122℉ (0°C to +50 °C)
- Indoor temperature / humidity trend and max / min function
- Moon phase
- Humidity measurement range: 20 to 95%
- Comfort face display
- Time display: 12/24 hour format
- Calendar: DD/MM or MM/DD
- Weekday in 7 languages: German, English, French, Italian, Dutch, Spanish, Danish
- Dual alarm with snooze function (5 minutes alarm interruption)
- Power supply : 3 X AAA, UM-4, LR03 1.5V batteries, DC 5.0V power adapter
- 7 colors back light display :RED➔GREEN➔BLUE➔LIGHT GREEN➔PURPLE➔LIGHT BLUE➔WHITE

b) Outdoor sensor

- Transmission frequency: 433 MHz
- Transmission range: up to 30 m in open area with no obstruction

Temperature measurement range:4℉- 140℉ (-20 °C to +60 °C)

- Humidity measurement range: 20 to 95%
- Outdoor temperature / humidity trend and max / min function
- Power supply: 2 X AAA, UM-4, LR03 1.5V batteries

Care and maintenance

- Read carefully the manual before using this product.
- Do not expose the main unit to direct sunlight, extreme cold and moisture, and sudden changes in temperature. This would reduce the accuracy of detection.
- Do not place the product in locations prone to vibration and shocks – these may cause damage.
- Do not expose the product to excessive force, impacts, dust, high temperatures or humidity - these may cause malfunction, shorter battery life, damage to batteries and deformation of plastic parts.

- Do not expose the main unit to rain or moisture, if it is not intended for outdoor use.
- Do not place any open flame sources on the product, e.g. a lit candle, etc.
- Do not place the product to places with inadequate air flow.
- Do not insert any objects in the product vents.
- Do not tamper with the internal electric circuits of the product – you may damage it, which will automatically terminate the guarantee. The product should only be repaired by a qualified professional.
- To clean the product, use a slightly moistened soft cloth. Do not use solvents or cleaning agents - they could scratch plastic parts and damage electric circuits.
- Do not immerse the product in water or other liquids.
- The main unit may not be exposed to dripping or splashing water.
- In the event of damage or defect of the product, do not perform any repairs by yourself.
- The transmitter of the wireless indoor/outdoor thermometer works down to -20°C, but at low temperatures, especially for a long period of time, the batteries may freeze, which may prevent the transmitter from transmitting the signal to the receiver and at the same time the transmission range is reduced at very low temperatures.
- This device is not intended for use by persons (including children) whose physical, sensory or mental disability or lack of experience and expertise prevents safe use, unless they are supervised or instructed regarding use of the appliance by a person responsible for their safety. It is necessary to supervise children to ensure they do not play with the device.

Safety warnings

Read the safety warnings carefully and only use the article as described in these instructions to avoid accidental injury or damage. Keep this manual for future reference . If you pass this product on to someone else , remember to give them these instructions.

Intended use

The weather station for domestic use and is not suitable for commercial purposes.

Danger to Children

Batteries can be highly dangerous if swallowed. Therefore ,keep batteries and weather station out of the reach of infants. If a battery has been swallowed, seek medical advice immediately.

Keep packing material away from children. Risk of suffocation !

Warning-risk of injury

If a battery has leaked, avoid contact with your skin, eyes and mucous membranes. If applicable, rinse the affected parts with water and consult a doctor at once.
Batteries must not be charged, taken apart, thrown into fire or short-circuited.

Caution-material damage

Never expose the weather station to severe temperature fluctuations, moisture, direct sunlight, dust or impacts.

Protect the batteries from intense heat. Remove the exhausted batteries from the weather station. This will avoid damage that can be caused by leakage.

Always replace all the batteries simultaneously. Do not use different types or brands of batteries or batteries with different capacities.

When inserting the batteries, ensure correct polarity (+/-).
Suggest not use rechargeable batteries which not providing the required voltage.
Do not use abrasive or solvent-based products to clean the weather station

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio / TV technician for help.