

HYUNDAI WS 8446 Weather Station with External Sensor



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HYUNDAI

HYUNDAI WS 8446 Weather Station with External Sensor



Product Information

Specifications

- **Model:** WS 8446
- **Power Source:** AAA batteries (3) for the main unit, AA batteries (2) for the external sensor
- **Range:** 1500 km for radio-controlled time signal

Product Usage Instructions

Powering the Weather Station

To power the main unit, open the battery compartment (16) at the back of the unit and insert 3 AAA batteries, observing the correct polarity. Connect the external power cable to the device port (17) and plug the power adapter into an electrical outlet.

Powering the External Sensor

Open the battery compartment (21) at the back of the sensor unit and insert 2 AA batteries, following polarity markings.

Setting Up the External Sensor

1. Turn on the weather station (refer to “Powering the Weather Station” section).
2. Insert batteries into the external sensor, and set the switch (20) to a specific channel (1, 2, or 3). The sensor will automatically transmit data to the weather station.
3. Press the UP button (14) to select the channel set on the external sensor.

Displaying Radio-Controlled Time

Press and hold the DOWN button (15) on the weather station to initiate radio signal reception. The radio control symbol will flash, and within 24 hours, the time will be displayed on the screen.

Manual Time Setting

Set the clock time by pressing the UP (14) or DOWN (15) buttons to adjust hours and minutes. Press SET (13) to confirm the clock setting.

Setting an Alarm

1. While displaying A1 or A2, press and hold SET (13) until the alarm time starts flashing.
2. Use the UP (14) or DOWN (15) buttons to set the alarm hour.
3. Press SET (13), then adjust the alarm minute using UP (14) or DOWN (15).
4. Press SET (13) to confirm the alarm setting.
5. To activate alarms 1 or 2, press ALARM (11).

Weather Forecast

The digital barometer automatically detects atmospheric pressure changes and displays weather symbols in the forecast section.

Temperature and humidity readings are also provided on the display.

Frequently Asked Questions

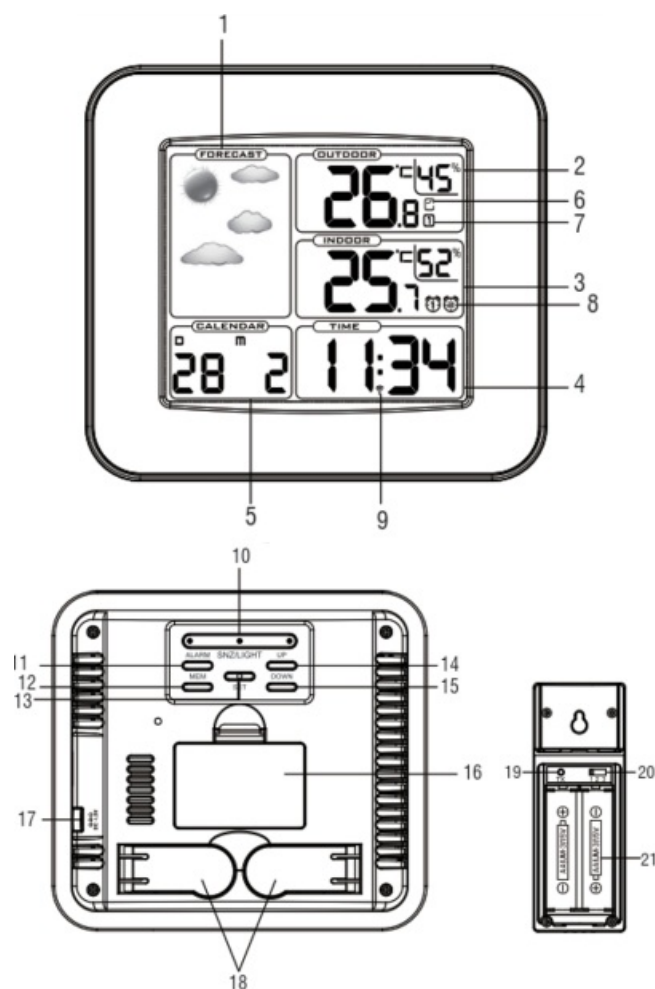
Q: How far is the radio-controlled time signal range?

A: The range for radio-controlled time signal reception is up to 1500 km from Physikalisch Technische Bundesanstalt Braunschweig in central Germany.

Q: How can I reset the stored temperature and humidity data?

A: Press and hold the MEM button (12) during the display of minimum/maximum values to clear stored data and start fresh calculations for the day.

DESCRIPTION OF CONTROL



1. Icons weather forecast
2. Outdoor temperature/humidity external sensor
3. Indoor temperature/humidity
4. Time display
5. Calendar
6. Tendency temperature
7. Channel external sensor
8. Alarm Clock icons 1 and 2
9. Symbol Radio Control RCC
10. Snooze/light button
11. ALARM button
12. MEM button
13. SET button
14. UP button
15. DOWN button
16. Battery Compartment 3 x AAA (batteries not included)
17. External power supply socket
18. Pedestal
19. TX button
20. TX channel selector, select external sensor channel
21. Compartment 2xAA batteries (batteries not included)

POWER METEO STATION

- Open the battery compartment (16) on the back of the unit and insert three “AAA” cell batteries according to polarity. Insert the external power in the socket (17), and insert the adapter into a wall outlet.

POWER SENSOR EXTERNAL

- Open the battery compartment (21) on the rear, and insert two “AA-size batteries matching the polarities.

SETTING THE EXTERNAL SENSOR

- This weather station is arranged to communicate with three external sensors.
- One of these comes with the unit, the remaining two are optional.

1. Power the weather station as described in POWER METEO STATION.
2. Insert the batteries in the external sensor, and set the selector (20) to the desired transmission channel (1, 2, or 3). Automatic weather station data to be transmitted.
3. Press the UP button (14) more times to select the channel set on the external sensor. Sequentially selects channel 1, channel 2, channel 3, or sequential display of 3 channels (icon flashing channel). In case of nonreceipt of the display signal it is shown the character “-“.

Notes: Place the weather station away from equipment that generates magnetic fields such as mobile phones, televisions etc.

TIME DISPLAY THROUGH RADIO CONTROL

- This device is equipped with a receiver able to receive the time signal of the Physikalisch Technische Bundesanstalt Braunschweig (central Germany) admissible in a 1500 km radius.
- Press and hold the DOWN button (15) of the weather station, the symbol (9) will flash radio control and within 24 hours will be displayed on the control radio time signal.
- **Note 1:** When the symbol of the blinking control radio is displayed you can not make any manual adjustments.
- **Note 2:** When the symbol is steady it means that the signal ‘was properly received.
- **Note 3:** The time is transmitted from central Germany, so if we are in a country with a different time than Germany is necessary to set the time zone.
- **Note 4:** Place the weather station away from equipment that generates magnetic fields such as mobile phones, televisions, etc.
- It not in all areas of Europe may be able to receive the signal of the radio control. In this case, you must set the time manually.

SETTING THE CLOCK MANUAL

1. Press and hold the SET button (13) to enter the manual clock setting.
2. Set the time zone of your region through the UP (14) or DOWN (15). You can choose between -1, 0, or +1 (UTC correction)
3. Press the SET button (13), the display will start flashing in the time display 12/24 hours.

4. Set the time display in 12/24 hours via the UP (14) or DOWN (15).
5. Press the SET button (13), the display will begin to flash hours.
6. Set the hours with UP (14) or DOWN (15).
7. Press the SET button (13), the display will begin to flash the minutes.
8. Set the minutes using the UP (14) or DOWN (15).
9. Press the SET button (13), the display will start flashing year.
10. Set the year using the UP (14) or DOWN (15).
11. Press the SET button (13), the display will begin to flash the month.
12. Set the month using the UP (14) or DOWN (15).
13. Press the SET button (13), the display will start flashing on the day.
14. Set the day using the UP (14) or DOWN (15).
15. Press the SET button (13), the display will start flashing the date format.
16. Set the date format via the UP (14) or DOWN (15).
17. Press the SET button (13), and the display will begin to flash duration in minutes of the Snooze function.
18. Set the duration of the snooze function (5 min – 60 minutes) through the UP (14) or DOWN (15).
19. Press the SET button (13) to finish the manual clock setting.

SETTING THE ALARM

1. Press the SET button (13) to display the Alarm 1 (A1). Press it again to view the Alarm 2 (A2). Press it again to return to display the current time.
2. While viewing A1 or A2 hold the SET button (13), on the display the alarm time starts to flash.
3. Press the UP (14) or DOWN (15) to adjust the hour.
4. Press the SET button (13), and on the display, the alarm minutes start flashing.
5. Press the UP (14) or DOWN (15) to adjust the minutes.
6. Press the SET button (13) to end the alarm setting.
7. To activate alarm 1 or 2 press the ALARM button (11); press it once to activate the alarm 1 (appears the alarm 1) icon, then press it again to activate alarm 2 (the alarm icon appears 2), press it a third time to activate both alarms (both icons appear), press it again to deactivate both alarms.
8. Press the button SNOOZE (10) To temporarily disable the alarm, The alarm will sound again after the set minutes neta time manually (default 5 minutes).
9. To turn off the alarm, press the ALARM button (11) until the corresponding icon disappears.

WEATHER FORECAST

- The digital barometer automatically detects the atmospheric pressure changes accordingly to display the symbol to forecast weather (1). This forecast concerns the 12/24 hours.
- **For example:** If the barometer detects high pressure, the display will show the symbol of the sun, but externally it could rain, because the provision relates to the 12/24 hours.
- **N.B.:** The weather forecast symbols may not reflect current weather conditions.
- They relate only to future conditions.
- Predictions can not be 100 % secure due to various factors.
- The manufacturer is not liable for any damages or situations caused by an incorrect forecast.

TEMPERATURE AND HUMIDITY INSIDE / OUTSIDE – MIN / MAX VALUES – BAROMETRIC PRESSURE

- The indication of the temperature is to the right of the display, while the humidity value is indicated at the right temperature in the small box.
- The box INDOOR indicates the temperature and humidity interior, and the box OUTDOOR indicates the temperature and humidity detected by the external sensor. Press the DOWN (15) button to select the temperature units in °C or °F.
- **Minimum/maximum values of the day:** press MEM (12), and the display shows the maximum value of temperature/humidity recorded during the day; press the MEM button (12), which shows the minimum temperature/humidity.
- During the display of minimum/maximum values, by holding down the MEM button (12) the recorded data are deleted and you start a new calculation of daily mean values.
- **Atmospheric pressure:** Press and hold the MEM button (12), in the CALENDAR box will display the current pressure value hPa. Press and hold the MEM button (12) to return to display the date.



TREND OF OUTDOOR TEMPERATURE – OUTDOOR TEMPERATURE LESS THAN 0 °C

- Along with the outdoor temperature it is shown the prediction of the temperature through the icons(6).
- temperature decreases, the icon is displayed when a change is registered lower temperature of -1 °C.
- stationary temperature, the icon is displayed when a change is registered in temperature between +/- 1 °C.
- temperature rising, the icon is displayed when you record a higher temperature change of + 1 °C.
- When the external sensor detects a temperature below 0 °C on the weather forecast display lights up the sleet symbol to indicate the possible formation of ice; in the presence of more sensors, the symbol lights up only when it receives the sensor that detects the temperature value below 0 °C.

TECHNICAL DATA


- **Weather Station:** 0 °C to +50 °C
- **Indoor humidity:** from 20 % to 90 % RV (relative humidity)
- **External sensor:** from -40 °C to +70 °C
- **Channels:** max. 3 external sensors
- **Receiving radio control signal:** 77,5 KHz
- **Wireless Outdoor Sensor:** 433,986 MHz RF transmitting frequency; ERP 0,0253 mW Feed unit: 0,1 °C for the temperature – 1% for moisture
- **Main Unit Power:** 3 x AAA batteries (not included)
- **Power supply** 230 V 50 Hz / 4.5 V 0,15 A supplied
- **External sensor supply:** 2x AA batteries (not supplied)
- We reserve the right to change technical specifications.

DISPOSAL

-   TO AVOID THE DANGER OF SUFFOCATION, KEEP PLASTIC BAG AWAY FROM BABIES AND CHILDREN. DO NOT USE THIS BAG IN CRIBS, BEDS, CARRIAGES OR PLAYPENS.
- THIS BAG IS NOT A TOY DISPOSAL OF OLD ELECTRICAL & ELECTRONIC EQUIPMENT (APPLICABLE IN

THE EUROPEAN UNION AND OTHER EUROPEAN COUNTRIES WITH SEPARATE COLLECTION SYSTEMS)



-  This symbol on the product or its packaging indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.
- By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.
- The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local Civic Office, your household waste disposal service, or the shop where you purchased the product.
- Hereby, ETA a.s. declares that the radio equipment type WS8446 complies with Directive 2014/53/EU.
- The full text of the EU Declaration of Conformity is available at the following internet address:


http://www.hyundai-electronics.cz/declaration_of_conformity

Charging adapter

A	Manufacturer's name or trademark, business registration number, and address	Dongguan Shijie Hua Xu Electronics Factory, No.200, Technology East Road, Shijie Town, Dongguan City. Guangdong, China
B	Model identifier	HX075-0450600-AG-001
C	Input voltage	100-240 V
D	Input frequency	50/60 Hz
E	Output voltage	4,5 V
F	Output current	0,6 A
G	Output power	2,7 W
H	Average efficiency in active mode	73,64%
I	Low load efficiency (10%)	
J	Power consumption without load	0,073 W

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Documents / Resources

 <p>HYUNDAI WS 8446</p> <p> Návod a použití / Návod na použitie Instrukcja obsługi / Instruction Manual Használati útmutató / Bedienungsanleitung</p>	<p>HYUNDAI WS 8446 Weather Station with External Sensor [pdf] Instruction Manual WS 8446 Weather Station with External Sensor, WS 8446, Weather Station with External Sensor, External Sensor, Sensor</p>
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References

- [Hyundai Electronics– Hyundai CZ](#)
- [Hyundai electronics– Hyundai PL](#)
- [Hyundai Electronics– Hyundai SK](#)
- [User Manual](#)

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