SENCOR®

SWS 3200

EN ■	**User Manual**	Weather station with wireless sensor
CZ ■	**Uživatelská příručka**	Meteorologická stanice s bezdrátovým snímačem
SK ■	**Používateľská príručka**	Meteorologická stanica s bezdrôtovým snímačom
HU ■	**Felhasználói kézikönyv**	Meteorológiai állomás vezeték nélküli érzékelővel
PL ■	**Podręcznik użytkownika**	Stacja pogodowa z czujnikiem bezprzewodowym

SAFETY AND GUIDE

– Do not clean any part of the product with benzene, thinner or other solvent chemicals. If necessary, clean it with a soft cloth.
– Do not dismantle or modify the product in any way.
– Never immerse the product in water, It will damage the product.
– Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
– Do not tamper with the internal components.
– Do not use used batteries .
– Do not use different types of batteries alkaline, standard or rechargeable batteries with this product.
– Remove the batteries if storing this product for a long period of time, otherwise the battery might damage the product.
– Do not dispose of this product as unsorted municipal waste, it's necessary to separately collect it for special treatment.
– Do not place the main unit in rain or moisture.The transmit range depends on the type of obstacles located between the transmitter and the receiver (e.g. a concrete wall will interfere with the signal much more than a plasterboard wall).
– Be sure the sensor is mounted vertically, to allow moisture to drain out properly. Place out of direct sunlight & ensure the sensor is well-ventilated.
– The distance between main unit and sensors should be at least 5~ 6.5 feet (1.5~2 meters) away from any interfering sources such as computer monitors or TV sets.
– The main unit stay away from the metal window frames.
– Please do not use other electrical products such as headphones or microphone operating on the same signal frequency. (433.92MHz), neighbors using electrical devices operating on the same signal frequency can also cause interference.
– Place the main unit in a dry area, free of dirt and dust. To ensure accurate temperature measurement, place out of direct sunlight and away from heat sources or vents.

FEATURES

- 5 buttons: SET, +/CH, -/RCC, MEM, ALARM; 1 top button: SNOOZE•LIGHT
- 12/24 hours switchable
- Calendar display
- Alarm with snooze
- RCC-DCF automatic time adjustment
- Indoor/outdoor temperature and humidity display (switchable between °C/°F)
- Indoor & Outdoor record of maximum and minimum temperature and humidity(records can be cleared manually)
- Support up to 3 sensors(1 included)
- Weather forecast
- Freezing point alert
- Low battery indication
- Indoor temperature range: -10°C~50.0°C
- Outdoor temperature range: -40°C~60°C
- Indoor humidity: Range: 1%~99%
- Outdoor humidity: Range: 1%~99%
- Main Unit Powered by: 3*AA batteries
  Sensor Powered by:2*AA batteries

POWER ON OR RESET

Prepare new and high quality alkaline batteries. Do not mix old and new batteries. Heavy duty or rechargeable batteries are not recommended.

After powering on, the LCD will be fully displayed for 3 seconds, and it will switch to the standard display mode, display the date and time, detect the indoor temperature and humidity, and then proceed.

Press the +/CH button and set it to CH1 the main unit.

Remove battery compartment cover and set the channel to CH1 in the sensor set before install sensor

batteries. Then insert 2 new AA batteries for sensor within 3 minutes and wait for auto pairing.
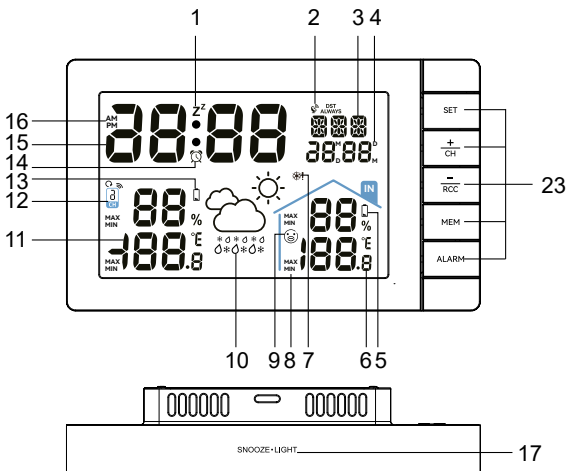
Notes:
1. Make sure the remote sensor and weather station main unit are at the same channel,such as CH1
2. Do not touch any buttons in the 3 minutes to avoid sensor searching be terminated.
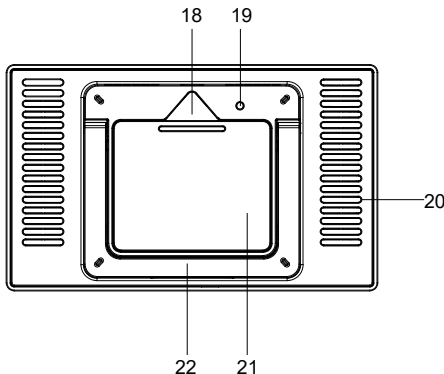3. The main unit will automatically receive sensor's RF signal in 3 MINUTES after the sensor powered on.

During receiving, 📶 signal icon will flashing, if no signal received within 3 minutes,it will stop receiving,and you can press and hold the"+/CH"Button 3 seconds to start receiving again, in the meantime, re-power on the sensor to start immediate signal sending.

OVERVIEW

Main Unit

1. Snooze
2. RCC
3. Weekday
4. Date/Month
5. Low battery indicator(main unit)
6. Indoor Temperature and humidity
7. Frost Alert for outdoor channel
8. Max Min record for temperature and humidity
9. Comfortable Indicator for indoor
10. Weather Forecast
11. Outdoor temperature and humidity
12. Outdoor channel & Cycle display for 3 channels
13. Low battery indicator(Sensor)
14. Alarm
15. Time
16. 12 hours format:AM/PM
17. Top touch button: Snooze•Light
23. Buttons: SET, +/CH, -/RCC, MEM, ALARM

18. Hanging Hole
19. Alarm Sound Hole
20. Ventilation window
21. Battery Compartment Cover
22. Stand

SENSOR
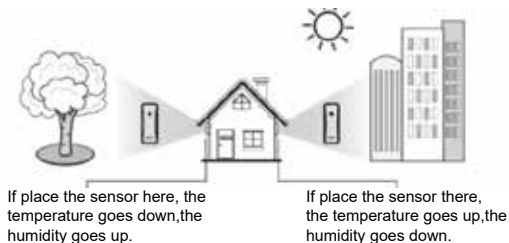

1. LED light
2. Battery Compartment
3. Hanging Hole
4. Channel shift
5. Rope hanging hole

To get accurate readings, please keep the main unit away from any unusual source of heat or cold and make sure that the outdoor sensor is also protected from direct sunlight, rain, or the heat it may experience from being mounted on a warm wall, or be closed near to a warm wall.

SENSOR INSTALLATION

The data of weather forecast and outdoor humidity & temperature come from outdoor sensors. Make sure the outdoor sensor is placed in proper place. Take an example:
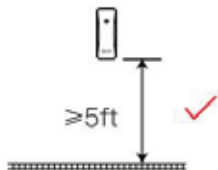
If place the sensor here, the temperature goes down, the humidity goes up.

If place the sensor there, the temperature goes up, the humidity goes down.

(1) This is forbidden, if the outdoor sensor is directly exposed to rain, facing direct sunlight and close to any heat source.

(2). Keep well-ventilated and leave a certain space of gap between the sensor and the wall to avoid blocking the vent of the sensor.

(3). Place the sensor at a height about 1.2-2.5 meters/3.93-8.20 feet vertically.

(4). Make sure sensor is close to the main unit. Avoid thick walls between the units or strong interference source using same signal frequency(433Ghz). (such as TVs, microwaves, computers, etc).

(5). If the main unit disconnects most likely the sensor is too far from the main unit. Please place it nearer to the sensor. Transmission Range: 80m in Open Air. (The sensor is the unit that connects to the main unit and transfer the signal to the main unit.)

(6). Vertically placement is required:

Place on a stable surface

Hang from the back hole using a nail

Lift with a rope

Note:
Allow the main unit and the sensor together at the same position or 30 minutes to establish a strong connection.

Main Unit Position Recommendation
Make sure the main unit is at a height about 1.2-2.5 meters/3.93-8.20 feet vertically, not lying down on the table.

If you have more than 1 set of weather station, please make sure they are at least in 8cm distance from each other for better reception of signals.
Make sure the main unit is in wild open area, not at low blocked corner.

BUTTON FUNCTION

SET
- In standard mode, press and hold the **SET** button for 3 seconds to enter the time setting.

+/CH
- In standard mode, single press the **+/CH** key to switch the channel CH
- In standard mode, long press the **+/CH** key to clear all channel ID and re-receiving data from sensors.
- During setting, single press the **+/CH** key to increase, long press to increase quickly

-/RCC
- In Standard mode, press and hold **-/RCC** to search DCF radio signal automatically
- During reception of RCC signal, press the **-/RCC** key to stop RCC reception for today
- During time/alarm setting, single press the **-/RCC** key to decrease, long press to decrease quickly

MEM
- In standard mode, press the **MEM** button to view the maximum/minimum temperature and humidity values within 24 hours.
- When the maximum and minimum values are displayed, press and hold the **MEM** button for 3 seconds to clear the maximum and minimum temperature and humidity values.

ALARM
- In standard mode, single press the **ALARM** button to view the alarm time, and press again to turn on/off the alarm.

- In standard mode, press and hold the **ALARM** button for 3 seconds to enter the alarm setting
- In alarm setting mode, press **+/CH** and **-/RCC** key to set the alarm time.

SNOOZE/LIGHT
Turn on backlight for 8 seconds

TIME SETTING

In the standard mode, press and hold the **SET** button to enter the time setting mode,

In the time setting mode, single press the **SET** button to confirm the setting result and go to the next setting item, press **+/CH** and **-/RCC** to adjust the setting value
Setting order:
BEEP ON/OFF → RCC ON/OFF→time zone(only if RCC is ON)→12/24 hours time format → hour→ minute →year → MD/DM format→ Month→ Date→ Weekday language→Temperature Unit → exit

TIME ZONE SETTING

- *The RCC (DCF) signal is transmitted from Germany. Germany is in UTC-1
- Zone, countries that are in the same time zone as Germany (for example, Czech, France, Italy, Spain, Denmark, Netherlands), the time zone selection is 0.Countries not in UTC-1 time zone need to add or subtract the time zones, for example, Portugal with UTC-0 time zone, the time zone selection is -1.

RCC FUNCTION

- During Time setting, if RCC is set as OFF, it will skip the time zone setting, directly to time format setting. RCC function is turned off permanently. It will not receive RCC signal any more.
- Once it is set OFF, press and hold "**-/RCC**" button will not turn on the RCC neither. You have to turn it on by Time setting mode to turn it ON.

- If RCC is set as ON, it will receive RCC signal every day automatically. Press and hold "**-/RCC**" button will start a immediate RCC signal searching. And press "**-/RCC**" button again will quit the RCC searching.
- After re-powering on or reset, it will automatically enters the RCC receiving mode. The RCC icon $\mathbb{C}$ displays and flashes at a frequency of 1Hz.
- After receiving a valid signal, the symbol $\mathbb{C}$ displays statically, and the signal wave symbol $\mathbb{m}$ flashes at a frequency of 1Hz. If the signal is received during valid reception,
- If the signal is suddenly interrupted, the signal wave symbol $\mathbb{m}$ will not display, and the RCC icon $\mathbb{C}$ will be displays and flash until a valid signal is received again.
- The RCC reception time is 7 minutes. If the RCC reception is successful within 7 minutes, the time displays on the unit the reception will be exited immediately and the RCC symbol $\mathbb{C}$ will displays all the time, indicating that the RCC reception is successful.
- Automatically receive RCC function: Regardless of whether the RCC signal is received or not, it will automatically enter the RCC reception at 1:00, 2:00, 3:00, 4:00, and 5:00 every morning. The unit will receive signal on 1:00, 2:00 and 3:00, if 3:00 is not received successfully, the receiving is turned on in turn, as long as there is 1 successful reception. If it succeeds, the receiving will not be turned on for the next few times, no matter whether the receiving is successful or not
- In standard mode, press and hold the **-/RCC** button for 3 seconds to manually enter the RCC receiving mode. Press the **-/RCC** button again to exit reception.
- If there is no reception within 7 minutes, it will automatically exit RCC reception and continue to run at the original time, and then every 3 hours at 0:00, 3:00, 6:00,9:00, 12:00, 15:00, 18:00, 21:00 automatically RCC reception will be turn on. It does not follow the early morning reception rules. As long as the reception is successful once, it will become the early morning reception rules.
- When the time zone setting is not 0 , the time will automatically changes with the time zone.
- When there is a conflict between sensor signal reception, RCC the priority order is RCC ^ sensor signal reception
- When the sensor signal reception is interrupted by RCC.

- When the device is trying to receive RCC signal, all the other functions will be stopped and not working , until RCC reception is finished.
- To stop and quit the RCC reception, press **-/RCC** button to quit the current reception, the RCC icon will disappear, the unit will be back to work standardly.

Note:
- When RCC OFF is selected, will move directly to 12/24 hour time setting.
- Weekday will shows automatically after Year, Month and Date are set.
- During setting, if no operation for 8 seconds, it will automatically save and exit setting.
- When the device is trying to receive RCC signal, all the other functions will be stopped and not working , until RCC reception is finished.
- To stop and quit the RCC reception, press **-/RCC** button to quit the current reception, the RCC icon will disappear, the unit will be back to work standardly.

8 LANGUAGES OF WEEKDAY DISPLAY

There are 8 languages weekday display
English, Czech, French, German, Italian, Spanish, Dutch, Danish

Week / Language	Abbreviation	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
English	ENG	MON	TUE	WED	THU	FRI	SAT	SUN
Czech	CZE	PON	UTE	STR	CTV	PAT	SOB	NED
French	FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
German	GER	MON	DIE	MIT	DON	FRE	SAM	SON
Italian	ITA	LUN	MAR	MER	GIO	VEN	SAB	DOM
Spanish	SPA	LUN	MAR	MIE	JUE	VIE	SAB	DOM
Dutch	DUT	MAA	DIN	WOE	DON	VRI	ZAT	ZON
Danish	DAN	MAN	TIR	ONS	TOR	FRE	COR	SON

ALARM SETTING

- In time display mode, press the **ALARM** button to view the alarm time.
- In alarm clock display mode, press the **ALARM** button to turn on/off the alarm clock. When the alarm is turn on, the alarm icon 🔯 will display.
- In normal display mode, press and hold the **ALARM** key for 3 seconds to enter the alarm time and snooze time setting. The setting sequence is: Hours--Minutes--Exit.
- When the setting item flashes, short press the **+/CH** or **-/RCC** button to increase or decrease the value, and long press the button to quickly increase or decrease the value.
- If there is no operation within 20 seconds, the setting interface will automatically saved and exit, back to normal display mode.
- Alarm time is 2 minutes, snooze time default is 5 minutes

Alarm format:
0-10 seconds: BI once per second
10-20 seconds: BI BI twice per second
21-30 seconds: BI BI BI BI fourth per second
31-120 seconds: continuous BI BI sounds

SNOOZE MODE

(1). When alarm is ringing,press the top **SNOOZE●LIGHT** button to enter snooze mode, The alarm will ring again in 5 minutes snooze interval. And the"zz "symbol will be flashing on screen to indicate the snooze mode. Press any other button except top button to exit the snooze mode. And the alarm will restart next day.
(2). When alarm rings, the ascending "Bibi" alarm sound will last for 2minutes if no operation, or you can press any other button except top button to stop the alarm.

Indoor temperature and humidity function
- Temperature range:-10°C~ 50°C.
  Lower than -10°C display: LL.L; Higher than 50°C display: HH.H.

- Humidity detection range: 1%RH~99%RH,
  Lower than 1%, it will display 1%RH, higher than 99%, it will display 99%RH

Outdoor temperature and humidity function
- Temperature detection range: -40.0 °C~60.0°C,
  Lower than -40°C display: LL.L; Higher than 60°C display: HH.H.
- Humidity detection range: 1%RH~99%RH,
  Lower than 1%, it will display 1%RH, higher than 99%, it will display 99%RH

MAX/MIN RECORD
(1). Check:Press"MEM"button to switch MAX or MIN readings. The readings will
     shows for 5 seconds and then will turn back to normal model.
(2). Manually Clear:Press"MEM"button to enter"MAX/MIN"Record Mode, Max or
     ,Min will display on the LCD .Then press and hold"MEM"button 3-4 seconds to
     clear all the Max/Min data.
     The screen of indoor and outdoor temperature &humidity will show "-"
(3). Automatically Clear:The records will be cleared at 00:00 automatically daily

Frost Alert
- When the OUTDOOR temperature is within the range of 0°C~+2.9°C , the frost
  alarm symbol ❄! will flash continuously;

When the outdoor temperature of the current channel is lower than 0°C, the symbol
of frost and snow ❄! display all the time;
Only when the temperature detection value is not within the temperature range,the
symbol will not display.
Remarks:The frost alarm does not need to be turned on,it will display as long as
the channel temperature is reached,and the temperature of other channels is
reached, it needs to be switched to this channel to display. For example, when the
channel 2 reaches the alert point to display or flash, but the main unit is displaying
channel 1, it will not display the icon. Only if the channel 2 is displaying, the alert
icon will show.

COMFORT LEVEL INDICATOR

Indoor comfort level indicator keeps you informed the comfort level in your home,and when to dehumidify or humidify.

WET	😞	Humidity 71%-99%
COMFORT	🙂	40%< Humidity<70%
DRY	😐	1%< Humidity<39%

WEATHER FORECAST

WEATHER ICON	☼	⛅	☁	🌧	🌨
Description	Sunny	Partly Cloudy	Cloudy	Rainy	Snowy

Weather forecast in 12+ Hour: Sunny, Partly Cloudy, Cloudy, Rainy, Snowy
The weather icon displays are based on the hourly calculation of indoor/outdoor temperature &humidity.
The forecast station predict weather conditions for the next 12 hours with 70-75% accuracy. The remote sensor should be put on the outside to have accurate outdoor data. Or it will effect the accurate of weather forecast.

The default display weather is partly cloudy, the main unit will calibrate the weather report in 1-2 weeks with the temperature and humidity data changes.
The remote sensor should be place outside to get accurate outdoor data or it will effect the accuracy of weather forecast.

BACKLIGHT

When powered on,press the top button to turn on the backlight,and the backlight will last 8 seconds to save power.

RF reception instructions
- After powering on and detecting temperature and humidity, it will automatically enter RF reception for 3 minutes and exit immediately upon reception.
- During the receiving process, only the RF receiving mark flashes, and the data does not flash. If no data is received or the code is lost for 1 hour, "--.-" will be displayed.
- Short press the **+/CH** key to switch to view the outdoor temperature and humidity of 3 different channels.
  The switching display sequence is: CH1--CH2--CH3--Auto cycle ⟳ (switch once every 10 seconds), if only 2 channels are received, it will cycle display the 2 channels.
- In standard mode, press and hold the **+/CH** button for 3 seconds to manually clear the data of all outdoor channels and re-receive the latest data.
- When the main unit receive and pair for 3 minutes, CH1 is displayed by default. Even if the CH2 or CH3 channel receives the signal first, it will not jump automatically to the received channel.
- When it is in the auto cycle mode, unregistered channels will not be displayed and will jump directly to the registered channels.

Indoor and outdoor low battery indication function
- When the battery of the main unit or the sensor is low, the LCD will display the low battery icon.

TECHNICAL SPECIFICATIONS

- Weather Forecast Icon(Sunny, Partly Cloudy, Cloudy, Rainy, Snowy)
- Digital Time, Date
- 8 Languages of weekday display(English, Czech, French, German, Italian, Spanish, Dutch, Danish)
- Alarm with snooze

- Indoor/outdoor temperature and humidity display
- Frost Alert for outdoor channel
- Max/Min memory records(24h)
- Indoor temperature range: -10°C~50.0°C
- Outdoor temperature range: -40C~60C
- Indoor humidity: Range: 1%~99%
- Outdoor humidity: Range: 1%~99%
- Comfortable indicator for indoor
- 12/24 hours switchable
- Temperature display with °C/°F selectable
- Low battery indicators(for main unit and outdoor sensor)
- Desktop or wall mountable
- Support up to 3 sensors
- Function Auto scrolling measured data of max 3 outdoor sensors
- 1 Sensor included(SWS TH 2300-3200-4440)
- Transmission between main unit and sensor up to 80m(in open area)
- Sensor Transmission Frequency:433.92MHZ
- Power of Station:3x 1.5V Type AA(Batteries not included)
- Power of sensor:2x 1.5V Type AA(Batteries not included)
- Dimensions of main unit:(w/h/d)138x 84 x 27mm
- Weight of Main Unit:166 g

INSTRUCTIONS AND INFORMATION ON THE DISPOSAL OF DISCARDED PACKAGING MATERIALS

Take the packaging material to a collection yard for disposal.

DISPOSAL OF DISCARDED ELECTRICAL AND ELECTRONIC EQUIPMENT

This symbol on the product, accessory or packaging indicates that the product must not be treated as normal household waste. Please dispose of this product in a collection yard designated for the recycling of electrical and electronic equipment. In some EU countries or in some European countries, you can return your products to your local retailer when you buy an equivalent new product. Correct disposal of this product helps save valuable natural resources and prevents possible adverse impacts on the environment and human health that might be caused by improper waste disposal. Please contact your local authority or the nearest waste collection yard for further details. Improper disposal of this type of waste may be subject to a legal fine.

For companies in the European Union
If you need to dispose of electrical or electronic equipment, ask your dealer or supplier for the necessary information.

Disposal in countries outside the European Union
To dispose of this product, please ask your local authorities or dealer for the necessary information on correct disposal.

This product complies with EU requirements.

FAST ČR, a. s. hereby declares that the radio device type SWS 3200 complies with Directive 2014/53/EU. For full version of the EU declaration of conformity, please refer to the website: www.sencor.cz

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make such changes.

The original version is in Czech.

Manufacturer: FAST ČR, a.s., U Sanitasu 1621, Říčany 251 01, Czech Republic info@sencor.com

Authorized service centers: Visit www.sencor.com for detailed information about authorized service centers.

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EN Warranty conditions

Warranty card is not a part of the device packaging.

This product is warranted for the period of 24 months from the date of purchase to the end-user. Warranty is limited to the following conditions. Warranty is referred only to the customer goods using for common domestic use. The claim for service can be applied either at dealer's shop where the product was bought, or at below mentioned authorized service shops. The end-user is obligated to set up a claim immediately when the defects appeared but only till the end of warranty period. The end user is obligated to cooperate to certify the claiming defects. Only completed and clean (according to hygienic standards) product will be accepted. In case of eligible warranty claim the warranty period will be prolonged by the period from the date of claim application till the date of taking over the product by end-user, or the date the end-user is obligated to take it over. To obtain the service under this warranty, end-user is obligated to certify his claim with duly completed following documents: receipt, certificate of warranty, certificate of installation.

This warranty is void especially if apply as follows:
- Defects which were put on sale.
- Wear-out or damage caused by common use.
- The product was damaged by unprofessional or wrong installation, used in contrary to the applicable instruction manual, used in contrary to legal enactment and common process of use or used for another purpose which has been designed for.
- The product was damaged by uncared-for or insufficient maintenance.
- The product was damaged by dirt, accident of force majeure (natural disaster, fire, and flood).
- Defects on functionality caused by low duality of signal, electromagnetic field interference etc.
- The product was mechanically damaged (e.g. broken button, fall).
- Damage caused by use of unsuitable media, fillings, expendable supplies (batteries) or by unsuitable working conditions (e.g. high temperatures, high humidity, quakes).
- Repair, modification or other failure action to the product by unauthorized person.
- End-user did not prove enough his right to claim (time and place of purchase).
- Data on presented documents differs from data on products.
- Cases when the claiming product cannot be indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

Manufacturer:
FAST ČR, a.s., U Sanitasu 1621, Říčany 251 01, Czech Republic

Visit **www.sencor.com** for detailed information about authorized service centers.

The original version of the instructions is in the Czech language, other language versions are made by the appropriate translation.