

WEATHER STATION

COLORFUL SCREEN DISPLAY



3 OUTDOOR
SENSORS

SCAN THE QR CODE



to download the
USER MANUAL
in different languages
and **SOFTWARE**



 **TUTORIAL VIDEO ON HOW TO USE**

 **Need more help? CONTACT US.**

www.cd50.net/289/

CONTENTS

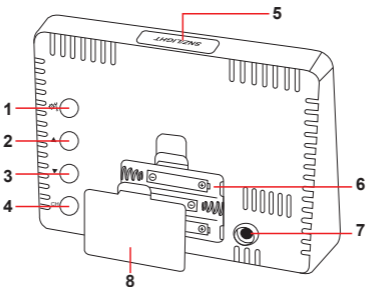
Page

English	1 - 9
Features	1
Main Parts	1
LCD full display	2
Sensor Parts	3
Package Includes	4
Default Settings	4
Operations	4
Setting up the Main unit	5
Weather Trend	6
Installation	6
Detail Specifications	7
Safety notes	8
Warning	9

FEATURES

- Time display in English
- Time display as hour and minute and second
- Calendar in month and year from 2000 to 2099
- Hour in 12H/24H
- Temperature in °C/°F
- Three sensors displaying at the same time
- Temperature & humidity trend indicator
- Low battery display for monitor and sensors
- Indoor temperature and humidity display
- Outdoor temperature and humidity display
- Alarm and Snooze function
- LED black light
- Weather forecast
- Colorful screen display

MAIN PARTS



1. Set button

Under normal mode, press once to display the alarm time, press once again to return to normal mode.

Under alarm time displaying mode, press and hold this button for about 3 seconds to enter Alarm setting function.

Under normal mode, press and hold this button for about 3 seconds to enter date and time setting.

2. UP button

Under normal mode, press this button to switch Celsius or Fahrenheit unit for temperature.

For adjusting the date and time in the setting mode and alarm mode

3. DOWN button

For adjusting the date and time in the setting mode and alarm mode

4. CH button

For re-registering the channels under normal mode

5. SNZ/LIGHT button (snooze function / set display brightness)

For snoozing the alarm function while the alarm is ringing.

For turning-on the back light for 10 seconds when powered by batteries only or adjust the brightness of backlight when powered by the USB line.

6. Battery compartment

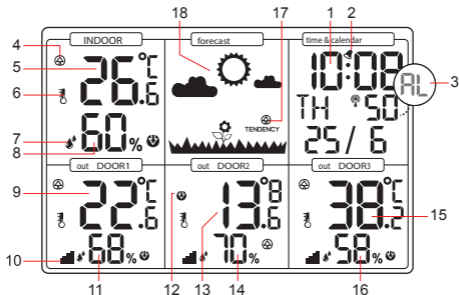
It can be powered by 3 pieces AAA batteries

7. DC connection socket

It can be powered by the provided USB line

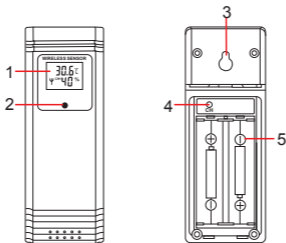
8. Battery compartment cover

LCD FULL DISPLAY



1. Current time
2. Symbol for enabled alarm
3. Display of seconds or symbol for the alarm time (depending on the selected mode)
4. Trend symbol "rising"
5. Indoor temperature (in °C / °F)
6. Symbol for the temperature
7. Symbol for the humidity
8. Indoor humidity (in %)
9. CH1 Outdoor temperature (in °C / °F)
10. Symbol for the sensor connection status
11. CH1 Outdoor Humidity (in %)
12. Trend symbol "falling"
13. CH2 outdoor temperature (in °C / °F)
14. CH2 outdoor humidity (in %)
15. CH3 outdoor temperature (in °C / °F)
16. CH3 outdoor humidity (in %)
17. Weather trend symbol (better, steady, worse)
18. Weather forecast graphics (12 hours)

SENSOR PARTS



1. Display Outdoor temperature / Humidity / Low battery / Channel
2. Transmission indicator light
3. Recess for wall mounting
4. CH button - For selecting channel 1, 2 or 3
5. Battery compartment

PACKAGE INCLUDES

- 1 x Weather station
- 3 x Sensors for outdoors
- 1 x USB line
- 1 x User manual

DEFAULT SETTINGS

- a. Time: AM 0:00
- b. Date: Jan 1st, 2016
- c. Temperature °C
- d. Alarm function off
- e. Hour in 24H

NOTE:

This weather station will be reset when changing new batteries. A “BI” sound follows by the restarting of the weather station. The weather station will need two minutes to reconnect to the sensors.

OPERATIONS

- a. It is suggested to set all the 3 sensors and channels before turning on the main unit.
- b. Insert the batteries with the correct polarity into the battery compartment and press “CH” button at the back of the sensors to set the channel 1, 2 and 3 accordingly.
- c. The channel number should appear at the left-hand-side of the humidity to indicate which channel is it using.
- d. Insert the USB line connector into the connection socket of the main unit or insert the batteries with the correct polarity into the battery compartment of main unit to turn it on.
- e. After turning on the main unit, it will automatically receive the signals from the sensors.
- f. It may take three minutes to warm up, all the data in the first three minutes may not be accurate.

- g. If the main unit cannot receive the signal after three minutes, you can hold and press “CH” button at the back of main unit to re-register or take out the batteries and repeat the previous steps from a ~ e.
- h. The sensors will be reset after changing new batteries. Please be reminded to go through the previous steps to set up the weather station again after changing the new batteries.

NOTE:

1. If the Low battery indicator symbol is displayed on the sensor or main unit, please replace new batteries for them.
2. Backlight:
 - a. When you use the battery as power supply, press the “SNZ/LIGHT” button to light up the display for approximately 10 seconds. (In battery mode the display brightness regulation is disabled.)
 - b. When you use the USB line as power supply, the backlight will light up all the time.
 - c. **We recommend best using the original USB line for the main power supply and the battery for the backup power supply.**

SETTING UP THE MAIN UNIT

TIME SETTING



- a. Press and hold “Set” button for about 3 seconds to enter the time setting mode.
- b. Press “Up” or “Down” button to adjust the time.
- c. Press “Set” again to confirm the setting and go on for the next setting.
- d. Setting order is hour → minute → year → month → day → 12/24HR → exit.
- e. Press “SET” to confirm the setting and go on for next setting.
- f. Setting will be auto-saved once without any operation for 20 seconds.

ALARM SETTING

• Alarm time setting

- a. Press “SET” button once to switch to alarm time display (AL).
- b. Under alarm time display (AL) mode, press and hold “SET” button for about 3 seconds to enter the alarm setting mode.
- c. Press “Up” and “Down” button to adjust the time.
- d. Press “SET” button again to confirm the setting and go on to the next setting
- e. Setting order is hour → minute → exit.
- f. Setting will be auto-saved once without any operation for 20 seconds.

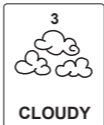
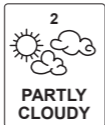
• Turning on / off alarm

- Press "SET" button to enter alarm time display (AL) mode,
- Press UP or DOWN button to enable the alarm. The  symbol will be displayed.
- Press UP or DOWN button again to disable the alarm. The  symbol will disappear from the display.
- If the alarm function is switched on, there will be an alarm icon between the time
- The alarm will ring when the set time comes, starting with
 - BI sounds for 1st – 10th seconds
 - BIBI sounds for 11st – 20th seconds
 - BIBIBI sounds for 21st – 30th seconds
 - BIBIBI... sounds for 31st seconds – 2 minutes
- Press "SNZ/LIGHT" button to snooze, the alarm will ring again after 5 minutes
- To "Snooze" for another five minutes, press "SNZ/LIGHT" again when the alarm is on again.
- Press any other key than the "SNZ/LIGHT" to turn off the alarm

WEATHER TREND

The weather station will calculate a weather trend for the next 12 hours on basis of the measured values.

WEATHER TREND INDICATORS



INSTALLATION

- Only install the sensors once the appropriate settings have been made and a stable wireless connection is established.
- The wireless transmission range between the sensor and main unit is up to 30m in open spaces.
- Before installation, ensure that wireless transmission will not be disrupted by interference or obstacles like buildings, trees, vehicles, high-voltage lines, etc.

- d. Before the final installation, ensure that there is sufficient reception between the intended installation locations.
- e. When installing the sensor, ensure that it is protected from direct sunlight and rain.
- f. The international standard height for measuring air temperature is 1.25m (4ft) above ground.
- g. Buy special or suitable installation material from a specialized dealer for wall-mounting.
- h. Ensure that no faulty or damaged parts are installed.
- i. Never apply force during installation. This could damage the product.
- j. Before installation, ensure that the chosen wall is suitable for the weight to be mounted, and make sure that there are no electrical wires, water, gas or other lines at the installation site on the wall.

DETAIL SPECIFICATIONS

INDOOR TEMPERATURE (MAIN UNIT)

Operating Range	0°C ~ 50°C (32°F ~ 122°F)
Measure range	0°C ~ 50°C (32°F ~ 122°F)
Accuracy	0°C ~ +50°C: ±1°C (32°F ~ 122°F: ±1.8°F)
Resolution	1°C or 1°F
Temperature Cycle	One minute

NOTE:

If the operating area is higher than the range, the temperature will display "HI"
 If the operating area is lower than the range, the temperature will display "LO"

OUTDOOR TEMPERATURE (SENSORS)

Operating temp. Range	-40°C ~ 70°C (-40°F ~ 158°F)
Measure range	-40°C ~ 70°C (-40°F ~ 158°F)
Accuracy	-40°C ~ -20°C: ± 4°C (-40°F ~ -4°F: ±7.2°F); -20°C ~ 0°C: ± 2°C (-4°F ~ 32°F: ±3.6°F); 0°C ~ +50°C: ±1°C (32°F ~ 122°F: ±1.8°F)
Resolution	1°C or 1°F
Temperature Cycle	30 seconds

NOTE:

If the operating area is higher than the range, the temperature will display "HI"
If the operating area is lower than the range, the temperature will display "LO"

INDOOR/OUTDOOR HUMIDITY (MAIN UNIT AND SENSORS)

Operating humidity range	20% RH ~ 95%RH
Accuracy	± 5% RH (@25°C, 30%RH ~ 80%RH) ± 8% RH (@25°C, 20%RH ~ 29%RH; 80%RH ~ 95%RH)
Resolution	1% RH

SAFETY NOTES

- The product is intended for private, non-commercial use only.
- Do not operate the product outside the power limits given in the specifications.
- Do not use the product in moist environments and avoid splashes.
- Do not use the product in the immediate vicinity of heaters or other heat sources or in direct sunlight.
- Do not use the product in areas where the use of electronic devices is not permitted.
- Do not use the product near interference fields, metal frames, computers, TVs, etc. Electronic devices and window frames can negatively affect the product's functionality.
- Do not drop the product and do not expose it to any major shocks.
- Do not open the device or continue to operate it if it becomes damaged.
- Do not attempt to service or repair the product yourself. Leave any and all service work to qualified experts.
- Keep the packaging material out of the reach of children due to the risk of suffocation.
- Do not modify the product in any way. Doing so voids the warranty.

WARNING - BATTERIES AND USB LINES

- a. Immediately remove and dispose of dead batteries from the product.
- b. Only use batteries (or rechargeable batteries) that match the specified type.
- c. Do not mix old and new batteries or batteries of a different type or make.
- d. When inserting batteries, note the correct polarity (+ and - markings) and insert the batteries accordingly. Failure to do so could result in the batteries leaking or exploding.
- e. Do not charge batteries.
- f. Keep batteries out of the reach of children.
- g. Do not short circuit the batteries/rechargeable batteries and keep them away from uncoated metal objects
- h. **The batteries is only used for backup power supply, please use the provided USB line for the main power supply.**