

WIRELESS WEATHER STATION C-8136

USER'S INSTRUCTIONS



The multifunctional weather station is equipped with many functions providing thorough weather information to you. The receiver unit has a clear, easy-to-read display that shows weather forecast, indoor temperature pressure, time and date, as well as the temperature measured and transmitted by the sensor. It is able to receive and display readings from remote sensor.

The 433 MHz technology means no wire installation is required and you can place the sensor anywhere you like.

With radio controlled function, the current time and date are automatically synchronized with the time signal transmitted from Frankfurt, Germany (DCF77). The signal can cover a distance of about 1500 km from the related transmitter.

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.

Main unit: 4.5 V, use 3 x AAA 1.5V alkaline battery
 Remote sensor: 3 V, use 2 x AAA 1.5V alkaline battery

Accuracy of Temperature: +/- 1 °C (1 ~ 30 °C)
 Accuracy of Barometer: +/- 4mb (970 ~ 1030 mb @ 25°C)

Weight
 Main unit: 265gm
 Remote sensor: 53gm

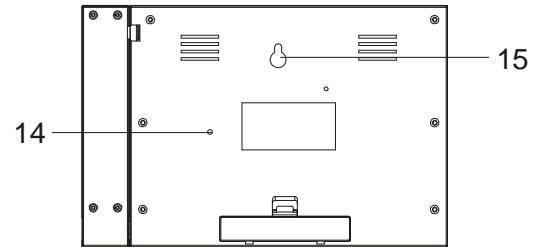
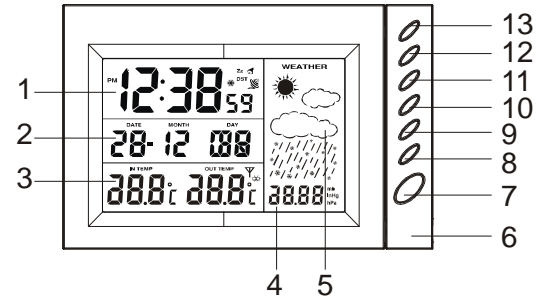
Dimension
 Main unit: 196(W)x129(H)x 22(D)mm
 Remote sensor: 65(W)x93(H)x 27(D)mm

FCC Remarks:

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 to this unit not expressly approved by the party responsible for compliance could void

MAIN FEATURES:
WEATHTER STATION:



1. CLOCK :
 - Displays the time and radio controlled signal.
2. CALENDAR :
 - Displays the date, year, day of the week.
3. OUTDOOR AND INDOOR TEMPERATURE WINDOW:
 - Shows the outdoor and indoor temperature.
4. ATMOSPHERE PRESSURE :
 - Displays the current atmospheric pressure data.
5. WEATHER FORECAST :
 - Displays the weather forecast indicator.
6. TABLE STAND:
 - Use to stand on desktop.
7. SNOOZE :
 - Press it to stop alarm when it is sounding.
8. TIME:
 - Press it once to view the year.
 - Press and hold it for 2 seconds to enter the time setting mode.
9. DOWN:
 - In setting mode, press it to decrease the setting value.
 - In alarm mode, press it to turn on/off alarm and snooze.

SPECIFICATIONS

MAIN UNIT

Indoor temperature measuring range: -5 °C to +50 °C
 Recommended operating range: 0 °C to + 45 °C
 Temperature resolution: 0.1 °C / 1°F (above 0 °C)
 1 °C / °F (below 0 °C)

REMOTE SENSOR

Our Temperature measuring range: -20 °C to +60 °C
 Recommended operating range: -20 °C to + 55 °C
 Temperature resolution: 0.1 °C / 1°F (above 0 °C)
 1 °C / °F (below 0 °C)

RF transmission frequency: 433MHz
 No of remote unit: 1 unit

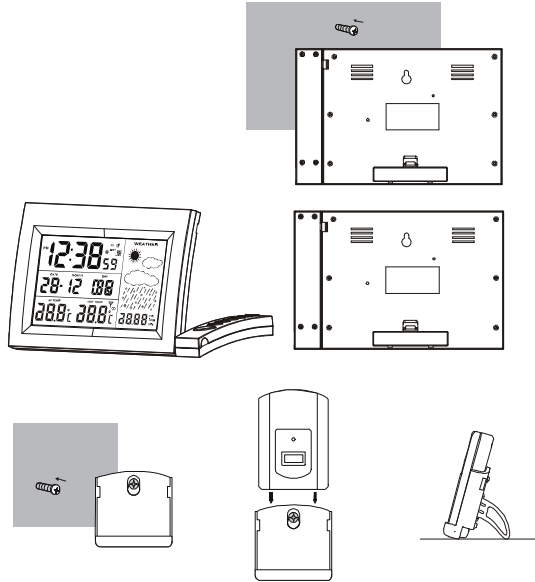
RF transmission range: Maximum 30 meters
 Temperature sensing cycle: around 60 ~ 64 seconds

Pressure measuring range: 800mb to 1050mb
 Pressure sampling cycle: 15 minutes

Radio controlled signal: DCF77,MSF,WWVB
 Power:

USING THE TABLE STAND OR WALL MOUNTING

The receiver has both desk-top and wall-mounting structure. Fix the separate wall-mounting stand on the wall by screws. Push the stand of the clock upward, hang it on the wall-mounting stand by its recessed holes. For the transmitter, fix the wall-mount holder on the wall or simply place it on the table.

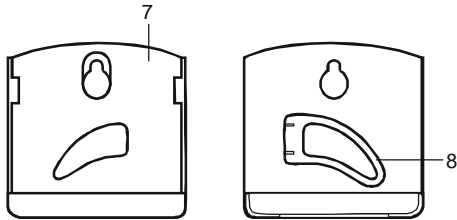
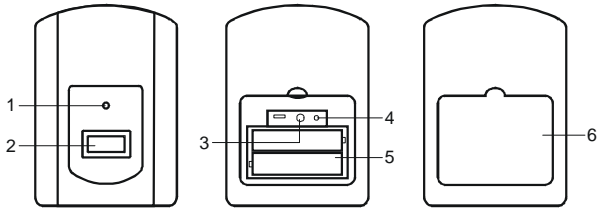


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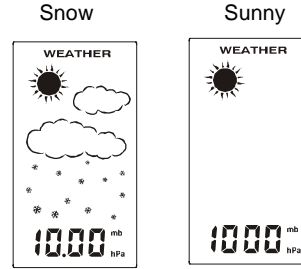
10. UP:
 - In setting mode, press it to increase the setting value.
 - In alarm mode, press it to turn on/off alarm and snooze.
11. ALARM:
 - Press it to switch to alarm and temperature alarm.
 - In alarm mode, press and hold it for 2 seconds to enter the alarm and pre-alarm setting mode.
12. °C / °F:
 - Switch between °C / °F.
13. mb/hPa · inHg:
 - Switch between mb/hPa or inHg.
14. RESET:
 - Press it to set all of the values to factory value.
 - In case of mal-function, the unit may be required to reset.
15. WALL-MOUNTING HOLE:
 - Use to support the main unit on wall.

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TRANSMITTER:



1. LED indicator:
- Flashes when the remote unit transmits a reading.
2. LCD:
- Displays the current temperature monitored by the remote unit.
3. °C / °F:
- Switches between °C / °F.



LOW BATTERY INDICATOR

When the battery does not have enough power to operate the unit, The Receiver's LCD becomes dim, and the transmitter's low battery indicator will appear to remind you to replace with new batteries.

Transmitter's low battery indicator
(shows on transmitter)

Transmitter's low battery indicator
(shows on the main unit)



NOTE:

Attention! Please dispose of used unit and batteries in an ecologically safe manner.



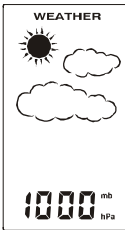
WEATHER FORECAST

The built-in barometer can notice atmospheric pressure changes. Based on the data collected, it can predict the weather condition in the forthcoming 12-24 hours. The effective range covers area of about 30 to 50 km

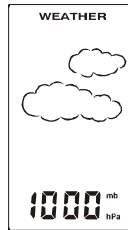
NOTE:

1. The accuracy of a general pressure-based weather forecast is about 70 to 75% , and therefore, cannot be held responsible for any inconveniences caused by an inaccurate data.
2. The weather forecast is meant for next 12 to 24 hours. It may not necessarily reflect the current situation.
3. The “Sunny” icon, when applies to nighttime, implies clear weather.

Slightly cloudy



Cloudy



Rainy



4. RESET:
 - Return all values to default value.
5. Battery compartment:
 - Accommodates 2 AAA size batteries.
6. Battery door
7. Wall mount holder:
 - Supports the transmitter in wall mounting.
8. Folding table stand

BEFORE YOU BEGIN

TRANSMITTER:

1. Remove the removable stand, unscrew the screws of the back cover and lift the cover off.
2. Insert 2 x AAA batteries into the battery compartment. Be sure to insert them the right way round (see polarity information +/- in the battery compartment).
3. Select the temperature unit by sliding the °C / °F switch besides the battery compartment.
4. Re-fix the battery door, and secure its screws in evenly and diagonally.

NOTE:

- Keep on using channel 1 only, channel 2 and channel 3 are not free to use.
- Avoid placing the transmitter in direct sunlight, rain or snow.

WEATHER STATION:

1. Remove the battery door and insert 3 x AAA batteries into the battery compartment. Make sure you insert the batteries the right way round (see polarity information +/- in the battery compartment).
2. Close the battery compartment.
3. Press reset button to re-start the clock and it will synchronize with the transmitter automatically.

NOTE:

1. The building material and the position of the receiver and transmitter affect the effective range. So try various locations will help to obtain the best result.
2. Place the units away from metal objects and electrical appliances to minimize the interference. Position the receiver and the transmitter within effective transmission range: 30 meters in usual circumstances.

ABOUT THE WEATHER INDICATOR

1. The default weather indicator is slightly cloudy. After in-

Alarm OFF



Alarm ON



Alarm and Snooze ON



SETTING THE TEMPERATURE ALARM

Use this function to be woken up at a determined period of time earlier (1-90 minutes), if the transmitter's temperatures is below -3°C.

1. In normal time mode, press ALARM key twice to enter pre-alarm mode, press UP or DOWN key to turn pre-alarm on.
2. Press and hold the ALARM key for 2 seconds, pre-alarm time flashing, press UP or DOWN key to change its value.

NOTE:

To activate pre-alarm function, ALARM must be on.

Temperature alarm ON Pre-alarm mode Pre-alarm 15 minutes



- Hour - Minute - Second - 12/24 hour - Year - Month - Date
- After setting is completed, press TIME key to exit setting mode, or let it exit automatically in 30 seconds without pressing any key.

ALARM AND SNOOZE SETTING

- In normal time mode, press ALARM key once to enter the alarm mode. Press UP or DOWN key once, alarm is on with the bell indicator displayed. Press UP or DOWN key again to turn on SNOOZE with Zz displayed. Press UP or DOWN key to turn off ALARM and SNOOZE.
- In normal mode or alarm mode, press and hold ALARM key for 2 seconds, hour flashing. Press UP or DOWN key to set the value. Repeat the same operation to set the alarm minute.
- After setting completed, press ALARM key to return to normal mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

- The alarm will automatically turn on when setting the alarm time.
- Once the snooze is turn on, the 4-step crescendo alarm will sound 4 times in 5-minute interval. The alarm duration is 120 seconds.

serting the batteries, the unit will automatically predict the weather condition in the forthcoming 12-24 hours. It will change its weather indicator according to the predicted data once it completes predicting.

- There are 5 weather indicators the unit can show as the following:

Slightly cloudy



Cloudy



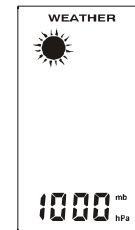
Rainy



Snow



Sunny



RECEPTION OF RADIO CONTROLLED TIME SIGNAL

The time and date are radio-controlled. The current time and date are automatically synchronized with the time signal transmitted from Frankfurt, Germany (DCF77) provided the device is within about of 1500 km range of the transmitter.

When used for the first time (after inserting the batteries or pressing RESET), the clock starts receiving time signals and the reception display flashes.

SIGNAL STRENGTH INDICATOR

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality could be classified into three types:



Weak signal quality



Acceptable signal quality

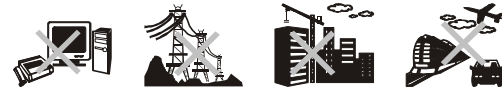


Excellent signal quality

NOTE:

1. Everyday the unit will automatically search for the time signal at 2:00, 8:00, 14:00 and 20:00.

2. Always place the unit away from interfering sources such as TV set, computer, etc.
3. Avoid placing the unit on or next to metal plate.
4. Closed area such as airport, basement, tower block or factory is not recommended.
5. Do not start reception on a moving article such as vehicle or train.



MANUAL TIME SETTING

If you are out of the reach of the Radio Controlled Transmitter or if the reception is not reachable, the time can be set manually. As soon as the transmitter is received again, the clock will automatically synchronise with the received time.

1. In normal time mode, press and hold TIME key for 2 seconds, hour flashing, press UP or DOWN key to change its value.
2. Press TIME key again, minute flashing, press UP or DOWN key to change its value.
3. Repeat the above operation to set the time in this order: