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› [VOKSUN](#) /

› [VOKSUN Digital Wireless Weather Station 3378QX User Manual](#)

## VOKSUN 3378QX

# VOKSUN Digital Wireless Weather Station 3378QX User Manual

Model: 3378QX

## 1. INTRODUCTION

Thank you for choosing the VOKSUN Digital Wireless Weather Station. This device provides comprehensive weather information, including indoor and outdoor temperature and humidity, weather forecasts, moon phases, and barometric pressure. It also features an alarm clock with snooze function and an adjustable backlight for optimal readability. Please read this manual carefully before use to ensure proper operation and to maximize the lifespan of your device.



Image: The VOKSUN Digital Wireless Weather Station main unit (white) and its accompanying outdoor sensor.

## 2. PACKAGE CONTENTS

Ensure all items are present and in good condition upon unpacking:

- 1 x VOKSUN Digital Wireless Weather Station (Main Unit)
- 1 x Wireless Outdoor Sensor
- 1 x Power Adapter (DC5V)
- 1 x User Manual (this document)

*Note: Batteries (AA) for both the main unit and the outdoor sensor are not included and must be purchased separately.*

## 3. SETUP GUIDE

### 3.1 Powering the Device

The weather station offers two power supply methods: DC5V adapter or batteries. The outdoor sensor operates solely on batteries.

1. **Outdoor Sensor:** Open the battery compartment on the back of the wireless outdoor sensor. Insert 2 x AA batteries, ensuring correct polarity (+/-). Close the compartment.
2. **Main Unit (Battery Power):** Open the battery compartment on the back of the main unit. Insert 2 x AA batteries, ensuring correct polarity (+/-). Close the compartment. When powered by batteries, the screen will light up for approximately 15 seconds after touching the light button and then turn off to conserve energy.
3. **Main Unit (Adapter Power):** Connect the DC5V power adapter to the main unit's power input port and then plug it into a wall outlet. The display will remain constantly lit. It is recommended to use the power adapter for continuous display and insert batteries as a backup to retain settings during power outages.



Image: Illustration of the two power supply methods for the main unit (adapter and batteries) and battery installation for the outdoor sensor.

### 3.2 Sensor Placement and Synchronization

For accurate readings, proper placement of the outdoor sensor is crucial.

- Place the outdoor sensor in a shaded area, protected from direct sunlight and rain, to avoid inaccurate temperature and humidity readings.
- Ensure the sensor is within the wireless transmission range (up to 60 meters / 200 feet in an open area) of the main unit. Obstacles like thick walls can reduce this range.
- The main unit will automatically attempt to connect with the outdoor sensor(s) upon power-up. Allow a few minutes for the initial synchronization.
- The weather station supports up to three wireless outdoor sensors. If using multiple sensors, ensure each is set to a different channel (CH1, CH2, CH3) using the switch inside the sensor's battery compartment. The main unit will cycle through the readings of all connected sensors.

## DEUX MODES D'ALIMENTATION

Vous pouvez choisir d'utiliser la batterie ou l'adaptateur d'alimentation pour l'alimentation, ou les deux.



Image: The weather station and outdoor sensor, demonstrating various suitable locations for sensor placement, such as a courtyard, bedroom, and basement, highlighting its multi-sensor capability.

## 4. OPERATING INSTRUCTIONS

### 4.1 Display Overview

The large color LCD screen displays various information clearly. Familiarize yourself with the different sections:

- **Top Left:** Indoor Temperature and Humidity
- **Top Right:** Outdoor Temperature and Humidity (from current sensor channel)
- **Middle Top:** Weather Forecast icons
- **Middle Bottom:** Time, Date, Day of the week, Sunrise/Sunset times
- **Bottom Right:** Barometric Pressure trend and Moon Phase
- **Comfort Indicator:** Displayed near humidity readings.

### DCF STATION MÉTÉO MULTIFONCTION AVEC CAPTEUR EXTÉRIEUR



Image: The weather station's display, illustrating the layout of temperature, humidity, forecast, time, date, moon phase, and barometric pressure information.

### 4.2 Time and Date Setting (DCF Synchronization)

The weather station automatically synchronizes its time and date via DCF radio signal. This ensures accurate timekeeping, including automatic adjustment for daylight saving time.

- Upon initial setup or after a reset, the device will search for the DCF signal. This process may take several minutes.
- Ensure the weather station is placed away from electronic devices that might interfere with the signal reception.
- You may need to manually set your time zone. Refer to the detailed instructions in the full manual for specific button presses.



Image: The weather station demonstrating its automatic time synchronization feature via DCF radio signal, with a map indicating the signal's reach across Europe.

### 4.3 Alarm Clock Functions

The weather station includes two independent alarm clocks with a snooze function.

- **Setting Alarms:** Access the alarm settings menu (refer to the full manual for button navigation). You can set two separate alarms, configure them for weekdays (M-F), weekends (S-S), or daily.
- **Snooze Function:** When an alarm sounds, press the snooze button to temporarily silence it. The alarm will sound again after 5 to 60 minutes, depending on your setting.



Image: The weather station positioned on a bedside table, depicting a person sleeping and another stretching, to illustrate the convenience of its dual alarm and snooze features.

## 4.4 Weather Forecast

The weather station calculates a forecast for the next 12-24 hours based on barometric pressure trends. It displays various icons representing sunny, slightly cloudy, cloudy, rainy, stormy, and snowy conditions.

- **Calibration:** For accurate local forecasts, the station requires 7 to 10 days of barometric pressure data for self-calibration.
- **Interpretation:** The forecast icons represent predicted weather, not current conditions.



Image: The weather station's display showing a range of weather forecast icons, including sunny, slightly cloudy, cloudy, rainy, stormy, and snowy conditions.

## 4.5 Barometric Pressure

The station displays barometric pressure, which is used for weather forecasting. You can view it in either absolute (ABS) or relative (REL) pressure modes.

- **Relative Pressure (REL):** This mode allows you to adjust the pressure reading to match local altitude, providing a more accurate local forecast.
- **Absolute Pressure (ABS):** This displays the raw barometric pressure measured by the sensor.
- Refer to the full manual for instructions on how to switch between modes and calibrate relative pressure.



Image: The weather station's display illustrating both relative and absolute barometric pressure readings, set against a scenic mountain and coastal backdrop.

## 4.6 Comfort Indicator and Mold Risk

The comfort indicator provides a quick visual reference of the indoor environment's comfort level based on temperature and humidity. It also alerts to potential mold risk.

- **Comfort Levels:** The display uses icons (e.g., smiling face for comfortable, neutral for acceptable, frowning for uncomfortable) to indicate comfort.
- **Mold Risk:** An icon will appear if humidity levels are conducive to mold growth, prompting you to adjust ventilation.

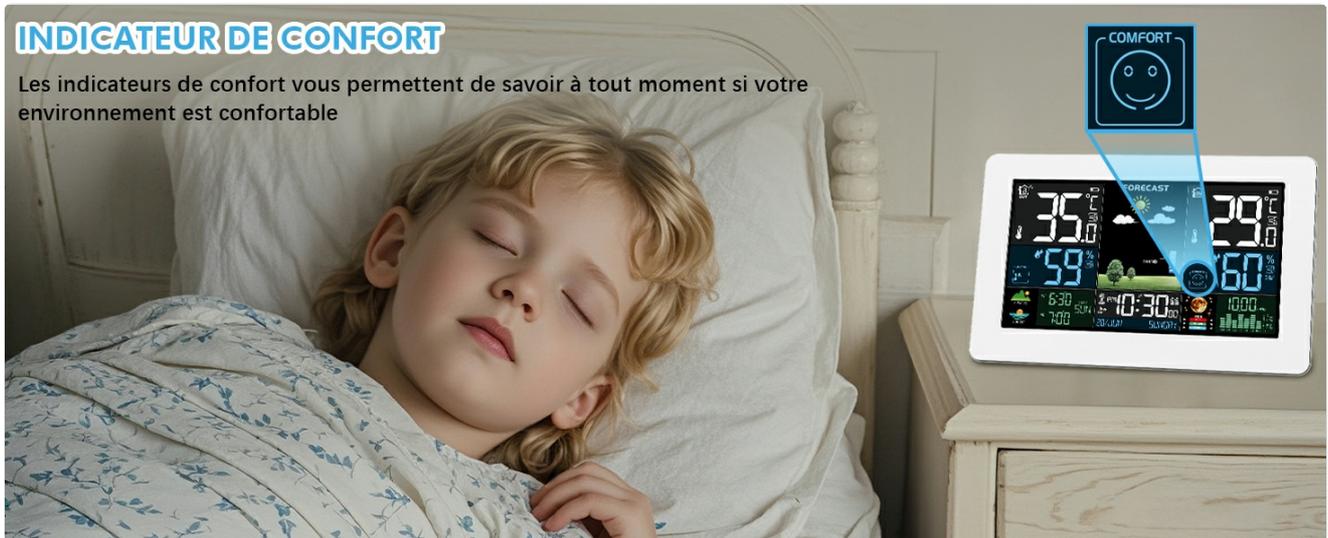


Image: The weather station's display showing temperature, humidity, and a comfort indicator with a smiling face, placed on a bedside table.

## 4.7 Adjustable Backlight

The main unit features an adjustable backlight for improved visibility in various lighting conditions.

- When powered by the adapter, the backlight remains on and its brightness can be adjusted through multiple levels.
- When powered by batteries, the backlight activates for 15 seconds when a button is pressed, then turns off to save power.

## 4.8 Frost Warning

The weather station includes a frost warning feature to alert you when outdoor temperatures approach freezing.

- When the outdoor sensor temperature is between  $-1^{\circ}\text{C}$  ( $+30^{\circ}\text{F}$ ) and  $+3^{\circ}\text{C}$  ( $+37^{\circ}\text{F}$ ), the anti-freeze alarm is activated, and a frost alert icon will flash on the display.

## PERMET DE SYNCHRONISER JUSQU'À 3 CAPTEURS EXTÉRIEURS

Portée de transmission 60M/200FT

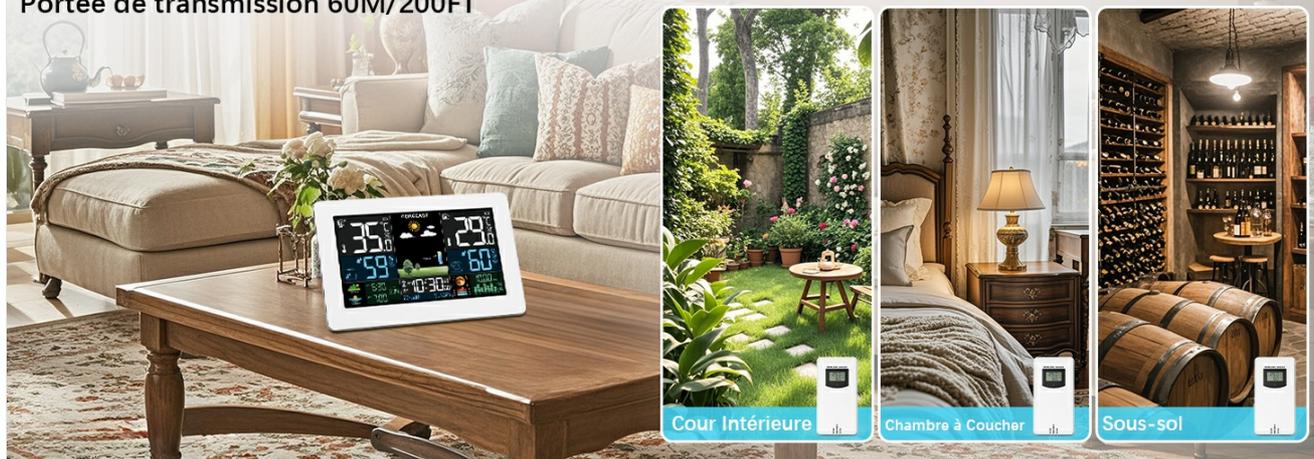


Image: The weather station's display showing a frost warning icon, juxtaposed with an indoor scene of people celebrating and an outdoor winter landscape, indicating the activation of the anti-freeze alarm.

## 5. MAINTENANCE

- **Cleaning:** Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit (if used for primary power) and the outdoor sensor when the low battery indicator appears on the display.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.
- **Environmental Conditions:** Avoid exposing the main unit to extreme temperatures, direct sunlight, or high humidity. The outdoor sensor is designed for outdoor use but should be protected from direct heavy rain and snow for longevity.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit	No power; batteries inserted incorrectly or depleted; adapter not connected.	Check power adapter connection. Ensure batteries are correctly inserted and not depleted. Replace batteries if necessary.
Outdoor temperature/humidity not displayed or inaccurate	Sensor out of range; sensor batteries depleted; interference; incorrect sensor channel.	Move sensor closer to the main unit. Replace sensor batteries. Relocate away from other electronics. Ensure sensor channel matches main unit's selected channel. Re-synchronize manually if needed (refer to full manual).
DCF time synchronization fails	Weak signal; interference; incorrect time zone setting.	Move the main unit to a location with better signal reception (e.g., near a window, away from electronics). Manually set the time zone. Allow up to 24 hours for automatic synchronization.

Problem	Possible Cause	Solution
Inaccurate weather forecast	Station not yet calibrated; local weather conditions vary rapidly.	Allow 7-10 days for the station to self-calibrate its barometric pressure. Understand that forecasts are predictions and may not always match current conditions perfectly.

## 7. SPECIFICATIONS

Feature	Detail
Brand	VOKSUN
Model	3378QX
Display Type	LCD (Color)
Power Source (Main Unit)	DC5V Adapter or 2 x AA Batteries (not included)
Power Source (Outdoor Sensor)	2 x AA Batteries (not included)
Indoor Temperature Range	-9.9°C to +50°C (14°F to 122°F)
Outdoor Temperature Range	-40°C to +70°C (-40°F to 158°F)
Temperature Accuracy	±1°C
Humidity Range	20%RH to 95%RH
Wireless Transmission Range	Up to 60 meters (200 feet) in open area
Supported Sensors	Up to 3 wireless outdoor sensors
Special Features	Large Screen, Clock, Adjustable Brightness, Portable, Pre-calibrated, Moon Phase, Barometer, Alarm, Weather Forecast, Frost Warning
Material	Polycarbonate (PC)
GTIN / UPC	774300029749

## 8. WARRANTY AND SUPPORT

VOKSUN products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official VOKSUN website. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, please contact VOKSUN customer service.