VOKSUN VNT-03

Voksun

VOKSUN Wireless Weather Station

USER MANUAL

1. Introduction and Overview

Thank you for choosing the VOKSUN Wireless Weather Station. This device provides comprehensive environmental monitoring for your home, displaying indoor and outdoor temperature and humidity, atmospheric pressure, time, date, moon phases, and a weather forecast. Its intelligent design and wireless sensor ensure convenient and accurate data collection.

Figure 1.1: VOKSUN Wireless Weather Station and Outdoor Sensor

2. Package Contents

Please check the package carefully to ensure all items are present and undamaged:

- 1 x Digital Weather Station (Main Unit)
- 1 x Wireless Remote Sensor
- 1 x USB Power Cable
- 1 x User Manual

3. Product Features

- **Multi-functional Display:** High-definition LCD screen clearly shows indoor/outdoor temperature and humidity, atmospheric pressure, moon phase, time, date, day of the week, and weather forecast.
- **Intelligent Weather Forecast:** Predicts weather for the next 12-24 hours based on changes in atmospheric pressure, temperature, and humidity. Icons include sunny, partly cloudy, cloudy, rainy, and snowy. Accuracy can reach 70% after 72 hours of continuous operation.
- **Wireless External Sensor:** Provides outdoor data with a transmission distance of up to 80 meters (open area). Supports connection of up to 3 external sensors (one included).
- **Dual Power Options:** Main unit can be powered by 3 x AAA batteries or USB cable. External sensor requires 2 x AA batteries.
- **Alarm Clock & Snooze:** Integrated alarm clock with a 5-minute snooze function.
- **Adjustable Display:** Color LCD with three brightness levels. Week display in five languages (GER, ENG, FRE, ITA, SPA). Selectable 12/24 hour system and 0C/0F temperature format.
- **Data Records:** Stores maximum and minimum values for indoor and outdoor temperature and humidity.
- **Barometric Pressure:** Displays atmospheric pressure in hPa/mb or mmHg units.

1. Outdoor Temperature
2. Outdoor Humidity
3. Transmitter Channel
4. Current Time
5. Moon Phase
6. Calendar Display
7. Weather Forecast
8. Barometric Pressure
9. Indoor Temperature
10. Max/Min Records
11. Indoor Humidity

Figure 3.1: Main Display Features
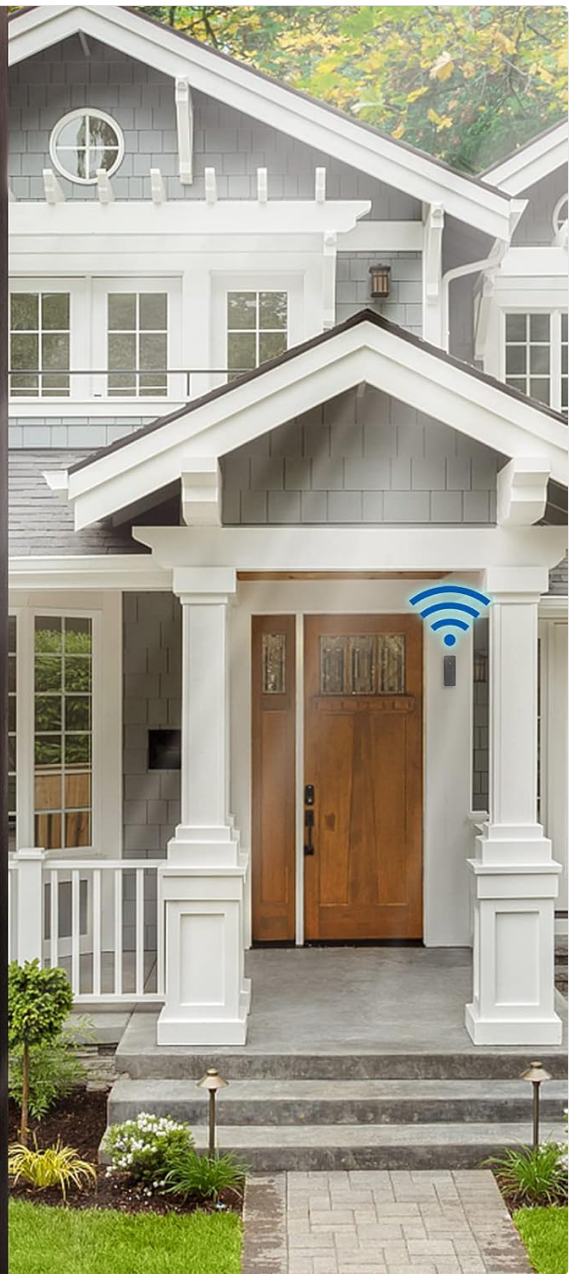
Figure 3.2: Wireless Range Capability

Figure 3.3: Weather Forecast Icons

4. Setup

4.1 Power Supply

1. **Main Unit:** Open the battery compartment on the back. Insert 3 x AAA batteries, observing the correct polarity (+/-). Alternatively, connect the supplied USB cable to the DC port on the back of the main unit and plug the other end into a USB power adapter (not included) or a USB port. The backlight will stay on continuously when powered by USB. When using batteries, the backlight illuminates for 10 seconds after a button press.

2. **External Sensor:** Open the battery compartment. Insert 2 x AA batteries, observing the correct polarity (+/-).

Figure 4.1: Powering the Main Unit and Sensor

4.2 Sensor Pairing

Once both the main unit and external sensor are powered on, they will automatically attempt to pair. Ensure the sensor is within range of the main unit. The main unit can connect to up to 3 external sensors. Use the channel switch inside the external sensor's battery compartment to select a channel (1, 2, or 3) if using multiple sensors or if pairing issues occur.

UP TO CONNECT TO 3 OUTDOOR SENSORS

CH1

CH2

CH3

1

2

4

3

1.Signal Light   **2.Hanging Hole**   **3.Battery Compartment**   **4.Channel 1-2-3 Switch**

Figure 4.2: Connecting Multiple Outdoor Sensors

4.3 Initial Settings

After powering on, the unit will display default settings. Use the buttons on the back of the main unit to configure time, date, and other preferences.

- **[SET] Button:** Press to enter time/date setting mode. Press repeatedly to cycle through settings (Time Zone, 12/24H, Hour, Minute, Year, Month, Day, Language for Weekday, 0C/0F, Barometric Pressure Unit).
- **[UP/MEM] Button:** In setting mode, press to increase values. Outside setting mode, press to view MAX/MIN temperature/humidity records.
- **[DOWN/CF] Button:** In setting mode, press to decrease values. Outside setting mode, press to switch between 0C and 0F.
- **[ALARM] Button:** Press to view alarm time. Press and hold to enter alarm setting mode.
- **[CHANNEL] Button:** Press to switch between external sensor channels (CH1, CH2, CH3) if multiple sensors are connected.
- **[ALERT] Button:** Press to view temperature alert settings. Press and hold to enter alert setting mode.
- **[SN/LIGHT] Button:** Press to activate snooze during an alarm. Press to adjust backlight brightness (when USB powered) or activate backlight for 10 seconds (when battery powered).

PRODUCT OVERVIEW

Figure 4.3: Button Layout and Functions

1. Indoor Temperature
2. Indoor Humidity
3. Outdoor Sensor Channel
4. Current Time
5. Moon Phase Trending
6. Calendar Display
7. Weather Forecast
8. Barometric Pressure
9. Outdoor Temperature
10. Max/Min Records for Temperature
11. Outdoor Humidity
12. Backlight/Snooze Button

13. SET Button
14. ▲/MEM Button
15. ▼/CF Button
16. ALARM Button
17. CHANNEL Button
18. ALERT Button
19. Hanging Hole
20. Battery Compartment
22. DC Hole

21. Metal Stand Bracket

5. Operating Instructions

5.1 Display Information

The main display is divided into several sections, providing a clear overview of all data:

- **Top Section:** Time, Date, Day of Week, Moon Phase, Alarm Status.
- **Middle Section (Outdoor):** Outdoor Temperature, Outdoor Humidity, Current Channel, Weather Forecast Icon, Barometric Pressure.
- **Bottom Section (Indoor):** Indoor Temperature, Indoor Humidity, MAX/MIN records indicator.

5.2 Weather Forecast

The weather station analyzes atmospheric pressure trends to predict weather for the next 12-24 hours. The forecast icons will change accordingly. For optimal accuracy, allow the unit to operate continuously for at least

72 hours to learn local pressure patterns.

5.3 Alarm and Snooze Function

To set the alarm, press and hold the [ALARM] button. Use [UP/MEM] and [DOWN/CF] to adjust the hour and minute. Press [ALARM] again to confirm. When the alarm sounds, press the [SN/LIGHT] button to activate the snooze function for 5 minutes. To stop the alarm, press any other button.

Figure 5.1: Alarm Clock and Snooze

5.4 Moon Phase Display

The weather station displays the current moon phase, which changes automatically based on the set date.

Figure 5.2: Moon Phase Display

6. Maintenance

- **Cleaning:** Wipe the display and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and external sensor when the low battery indicator appears on the display. Ensure correct polarity.
- **Sensor Placement:** For optimal performance, place the external sensor in a shaded, dry location away from direct sunlight and rain. Avoid placing it near high-power electrical appliances or behind thick load-bearing walls, as these can interfere with wireless transmission.

7. Troubleshooting

Problem	Possible Cause	Solution
No display/Unit not powering on	Batteries are dead or incorrectly inserted; USB cable not connected or faulty.	Check battery polarity and replace if necessary. Ensure USB cable is securely connected to a working power source.
Outdoor temperature/humidity not displayed or inaccurate	Sensor out of range; sensor batteries low; interference; sensor not paired.	Move sensor closer to the main unit. Replace sensor batteries. Avoid placing near large metal objects or strong electromagnetic sources. Re-pair the sensor by re-inserting batteries in both units.
Inaccurate temperature/humidity readings (compared to other devices)	Sensor exposed to direct sunlight or heat source; unit needs time to stabilize.	Ensure sensor is in a shaded, well-ventilated area. Allow 1-2 hours for readings to stabilize after initial setup or relocation. Note that minor discrepancies between devices are normal.

Problem	Possible Cause	Solution
Weather forecast seems incorrect	Unit has not completed its 72-hour learning period; local microclimates.	Allow the unit to operate for at least 72 hours for optimal forecast accuracy. The forecast is based on local atmospheric pressure changes and may not always match regional forecasts.
Backlight not staying on	Unit is running on batteries.	This is normal behavior for battery power to conserve energy. Connect the USB cable for continuous backlight.

8. Specifications

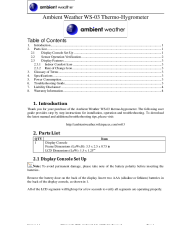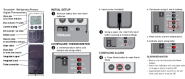| Feature	Detail
Model Number	VNT-03
Main Unit Dimensions (L x W x H)	3.3 x 15 x 21.5 cm (1.3 x 5.9 x 8.5 inches)
Weight	400 g (0.88 lbs)
Indoor Temperature Range	-100C to 500C (140F to 1220F)
Outdoor Temperature Range	-400C to 700C (-400F to 1580F)
Temperature Accuracy	110C
Humidity Range (Indoor & Outdoor)	20% to 99% RH
Barometric Pressure Range	800hPa~1100hPa (600mmHg-832 mmHg)
Wireless Transmission Distance	Up to 80 meters (open area)
Main Unit Power Supply	3 x AAA batteries (not included) or USB cable (included)
External Sensor Power Supply	2 x AA batteries (not included)
Special Functions	Alarm, Wireless Connectivity
Connectivity Technology	Wireless
Color	Black

9. Warranty and Support

VOKSUN is committed to providing high-quality products and customer satisfaction. If you have any questions

or encounter any issues with your weather station, please do not hesitate to contact our customer support team. We are available to assist you before and after your purchase.

Please refer to your purchase documentation for specific warranty details and contact information.

Related Documents - VNT-03

	[Voksun S350 Turntable User Manual: Bluetooth, USB Encoding, and Operation Guide](#) Comprehensive user manual for the Voksun S350 turntable. Learn how to set up, operate, and connect your turntable via Bluetooth and USB. Includes specifications, troubleshooting, and FCC information.
	[Voksun E300 Turntable User Manual: Bluetooth, USB Encoding, and Operation Guide](#) Comprehensive user manual for the Voksun E300 turntable. Learn how to set up, operate Bluetooth and USB modes, connect to amplifiers, replace the needle, and troubleshoot. Features detailed specifications and FCC compliance information.
	[Ambient Weather WS-03 Thermo-Hygrometer User Manual and Specifications](#) User guide for the Ambient Weather WS-03 Thermo-Hygrometer, covering setup, operation, features, specifications, troubleshooting, and warranty information.
	[DOOMAY Digital Alarm Clock User Manual](#) Comprehensive guide for the DOOMAY Digital Alarm Clock, covering setup, features like snooze and weekend modes, and battery operation for bedroom, office, and travel use.
	[Traceable Refrigerator/Freezer Digital Thermometer Quick-Start Guide](#) Quick-start guide for the Traceable Refrigerator/Freezer Digital Thermometer (Models 5650, 5651, 5652). Learn how to set up, configure alarms, and understand display messages for accurate temperature monitoring.
	[ThermPro TP-03 Digital Instant Read Thermometer Instruction Manual](#) This instruction manual provides detailed information on using the ThermPro TP-03 digital instant read thermometer. It covers product features, specifications, step-by-step usage instructions for measuring food temperatures, helpful hints, a cooking temperature chart, care and maintenance guidelines, warranty information, and customer service contact details.