## Netatmo NWS01-US

# Netatmo Weather Station User Manual

Model: NWS01-US

Brand: Netatmo

## 1. Introduction

The Netatmo Personal Weather Station allows you to monitor key environmental data both indoors and outdoors. Access your weather details anytime, anywhere, using your Android or iOS smartphone, tablet, or computer. This smart weather station features a unique set of sensors to track indoor air quality, temperature, humidity, CO2 concentrations, and noise levels, as well as outdoor temperature, humidity, and barometric pressure. Data is seamlessly and wirelessly sent to your smartphone, providing real-time insights and historical trends.

### Key Features:

- **Indoor and Outdoor Environment Monitoring:** Tracks temperature, humidity, air quality, indoor noise levels, and barometric pressure.
- **Real-time Notifications:** Customizable indoor and outdoor alerts, including ventilation warnings for optimal indoor air quality.
- **Remote Data Access:** View readings from your smartphone, tablet, computer, or via voice commands with Amazon Alexa and Apple HomeKit.
- **Data Analysis:** Review historical data and analyze trends through intuitive graphs.
- **Seven-Day Weather Forecasts:** Plan your activities with accurate local weather predictions.

## 2. Package Contents

Ensure all the following components are present in your Netatmo Weather Station package:

- 1 Indoor Module (45x45x155 mm)
- 1 Outdoor Module (45x45x105 mm)
- 1 USB Power Adapter

- 1 USB Cable
- 2 AAA Batteries (for Outdoor Module)

## 3. Setup and Installation

### 3.1. Indoor Module Setup

Place the Indoor Module in a central location within your home, away from direct sunlight, heat sources, or drafts, to ensure accurate readings. Connect the Indoor Module to a power outlet using the provided USB cable and power adapter.



The Indoor Module should be placed in a central location for optimal performance.

### 3.2. Outdoor Module Placement

The Outdoor Module is designed to be waterproof. For the most accurate outdoor temperature and humidity readings, position the Outdoor Module in a location that is shielded from direct sunlight and rain. This could be under an eave, on a shaded wall, or within a weather station enclosure. The module is powered by 2 AAA batteries, which typically last up to one year.



Proper placement of both indoor and outdoor modules is crucial for accurate data collection.

## 3.3. App Installation and Pairing

Download the Netatmo Weather Station app from the Apple App Store (for iOS devices) or Google Play Store (for Android devices). Follow the in-app instructions to create an account and pair your Indoor and Outdoor Modules with your Wi-Fi network. A stable Wi-Fi connection is required for the station to transmit data to your smartphone.




The Netatmo app provides a comprehensive overview of your weather data across multiple devices.

### 3.4. Setup Overview Video

Watch this official video for a visual guide on setting up your Netatmo Weather Station:

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This video demonstrates the unboxing and initial setup process for the Netatmo Weather Station, including placement of both indoor and outdoor modules and app synchronization.

## 4. Operating Instructions

### 4.1. Understanding Your Readings

The Netatmo app displays various metrics from your modules:

- **Temperature:** Indoor and outdoor temperatures in Celsius or Fahrenheit.
- **Humidity:** Indoor and outdoor humidity levels.
- **CO2:** Indoor carbon dioxide concentration (ppm). The app will alert you when levels are high, indicating a need for ventilation.
- **Sound Meter:** Indoor noise levels (dB).
- **Barometer:** Atmospheric pressure.




The Netatmo app provides a clear and intuitive display of all collected environmental data.

### 4.2. Real-time Notifications and Alerts

The Netatmo app can send push notifications to your smartphone for various events, such as high CO2 levels indoors, significant temperature changes, or other customizable alerts. These notifications help you maintain a healthier indoor environment and stay informed about outdoor conditions.

## 4.3. Analyzing Your Data

The app allows you to view historical data in graphical format, enabling you to track trends over hours, days, weeks, or months. This feature is useful for understanding environmental patterns and how they relate to your activities or home conditions.

## 4.4. Voice Control Integration

The Netatmo Weather Station is compatible with Amazon Alexa and Apple HomeKit. You can use voice commands to inquire about current indoor and outdoor conditions, such as temperature or humidity, through your compatible smart home devices.




The Netatmo Weather Station integrates seamlessly with popular smart home ecosystems.

## 5. Maintenance

- **Battery Replacement:** The Outdoor Module is powered by 2 AAA batteries. Replace them annually or when the app indicates low battery.
- **Cleaning:** Gently wipe both modules with a soft, dry cloth to remove dust. Do not use abrasive cleaners or immerse the modules in water.
- **CO2 Sensor Calibration:** The Indoor Module's CO2 sensor performs automatic calibration. If you suspect inaccurate readings, you can perform a manual calibration by placing the Indoor Module in a well-ventilated area (e.g., outdoors for 8 hours) and following instructions in the app.

## 6. Troubleshooting

- **No Data from Outdoor Module:** Ensure the Outdoor Module batteries are fresh and correctly inserted. Verify it is within range of the Indoor Module (up to 100m/330ft in open space). Obstacles like thick walls can reduce range.
- **Wi-Fi Connectivity Issues:** Check your Wi-Fi router and internet connection. Ensure the Indoor Module is within Wi-Fi range. If the module loses Wi-Fi settings, reconfigure it through the app.
- **Inaccurate Readings:** Ensure modules are placed according to guidelines (e.g., Outdoor Module shielded from direct sun/rain, Indoor Module away from heat/drafts). Perform CO2 sensor manual calibration if needed.
- **App Not Loading/Data Inaccessible:** Check your internet connection. Netatmo servers may occasionally experience outages; check Netatmo's official status page if issues persist.
- **Module Not Responding:** Try unplugging the Indoor Module for 10 seconds and plugging it back in. For the Outdoor Module, remove and reinsert the batteries.

## 7. Technical Specifications

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|---|---|
| **Brand** | Netatmo |
| **Model Number** | NWS01-US |
| **Product Dimensions** | 1.8 x 1.8 x 6 inches |
| **Item Weight** | 1 pounds (approx. 16 ounces) |
| **Material** | Aluminum |
| **Power Source** | Indoor Module: Corded Electric (USB); Outdoor Module: 2 AAA Batteries |
| **Connectivity Technology** | Wireless (Wi-Fi 802.11 b/g/n 2.4 GHz) |
| **Temperature Accuracy** | 0.3 °C (0.54 °F) |
| **Included Components** | Indoor Module, Outdoor Module, USB Cable, USB Power Adapter, 2 AAA Batteries |

# 8. Warranty and Support

## 8.1. Warranty Information

Your Netatmo Weather Station is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Netatmo website for detailed warranty terms and conditions specific to your region.

## 8.2. Customer Support

For further assistance, technical support, or to access the latest version of the user guide, please visit the official Netatmo support website or refer to the comprehensive User Guide (PDF).

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