

NASA WS100

NASA WS100 Weather Station User Manual

Model: WS100

1. INTRODUCTION

The NASA WS100 Weather Station provides essential weather information at a glance. This compact wireless weather station displays indoor temperature, humidity, and their trends. Its 3.3-inch color backlit LCD ensures clear and quick readability. It also functions as a clock, calendar, and alarm. This manual provides detailed instructions for setting up, operating, and maintaining your device.

2. IMPORTANT SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Keep batteries out of reach of children. Dispose of used batteries properly according to local regulations.
- Use only the specified battery type (3 x AAA).

3. PACKAGE CONTENTS

- 1 x NASA WS100 Weather Station
- 1 x User Manual

Note: 3 x AAA batteries are required and not included in the package.

4. PRODUCT OVERVIEW



Figure 4.1: Front View of the NASA WS100 Weather Station

This image displays the front of the weather station, highlighting its 3.3-inch color LCD screen. The screen shows the current time, weather forecast icons, indoor temperature, humidity percentage, and temperature trend. Control buttons are visible along the top edge.



Figure 4.2: Back View of the NASA WS100 Weather Station

This image shows the rear of the weather station, featuring the battery compartment cover. The design is sleek and minimalist, indicating where power is supplied.

4.1. Display Layout

- **Time Display:** Current time (12/24 hour format).
- **Calendar:** Day of the week.
- **Weather Forecast:** Icons indicating predicted weather conditions (sunny, cloudy, rainy, etc.).
- **Temperature:** Indoor temperature in Celsius or Fahrenheit.
- **Humidity:** Indoor humidity percentage.
- **Temperature Trend:** Graphical representation of temperature changes.
- **Comfort Level:** Indicator for indoor comfort based on temperature and humidity.

4.2. Control Buttons

- **MODE:** Switches between display modes and enters setting mode.
- **UP:** Adjusts values upwards in setting mode; changes display.
- **DOWN:** Adjusts values downwards in setting mode; changes display.
- **MAX/MIN:** Displays maximum/minimum temperature and humidity records.

- **SNZ (Snooze):** Activates snooze function for the alarm.
- **LIGHT:** Adjusts backlight brightness.

5. SETUP GUIDE

5.1. Battery Installation

1. Locate the battery compartment on the back of the device (refer to Figure 4.2).
2. Remove the battery compartment cover.
3. Insert 3 x AAA batteries, ensuring correct polarity (+ and -).
4. Replace the battery compartment cover securely.

5.2. Initial Power On

After battery installation, the device will power on automatically. The display will show default settings or begin searching for signals. Allow a few moments for initial readings to stabilize.

6. OPERATING INSTRUCTIONS

6.1. Setting Time and Date

1. Press and hold the **MODE** button for approximately 3 seconds to enter time setting mode. The hour display will flash.
2. Use the **UP** or **DOWN** buttons to adjust the hour.
3. Press **MODE** again to confirm the hour and move to the minute setting. Adjust with **UP** or **DOWN**.
4. Continue pressing **MODE** to cycle through year, month, and day settings, adjusting each with **UP** or **DOWN**.
5. Press **MODE** one last time to exit setting mode, or wait 15 seconds for it to exit automatically.

6.2. Setting Alarm

1. From the normal time display, press the **MODE** button repeatedly until the alarm time is displayed (usually indicated by an alarm icon).
2. Press and hold the **MODE** button for 3 seconds. The alarm hour will flash.
3. Use **UP** or **DOWN** to set the desired alarm hour.
4. Press **MODE** to confirm and move to the alarm minute setting. Adjust with **UP** or **DOWN**.
5. Press **MODE** to exit alarm setting.
6. To activate/deactivate the alarm, press the **UP** button while the alarm time is displayed. An alarm icon will appear/disappear.

6.3. Changing Temperature Units (°C/°F)

From the normal display, briefly press the **DOWN** button to toggle between Celsius (°C) and Fahrenheit (°F) temperature units.

6.4. Backlight Control

Press the **LIGHT** button to adjust the brightness of the display backlight. Multiple brightness levels are available, including off.

6.5. Viewing MAX/MIN Records

Press the **MAX/MIN** button to view the maximum recorded temperature and humidity. Press again to view the minimum records. Press a third time to return to the current readings. The records reset automatically every 24 hours or can be manually reset by holding the **MAX/MIN** button.

7. MAINTENANCE

7.1. Cleaning

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the display or casing.

7.2. Battery Replacement

When the display becomes dim or unresponsive, it is time to replace the batteries. Follow the battery installation steps in Section 5.1. Ensure to replace all three AAA batteries simultaneously for optimal performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead batteries. Incorrect battery installation.	Replace batteries with new AAA batteries. Check battery polarity.
Incorrect time or date.	Time/date not set correctly.	Refer to Section 6.1 to reset the time and date.
Temperature/humidity readings seem inaccurate.	Device placed near heat/cold sources or in direct sunlight.	Relocate the weather station to a stable indoor environment away from direct heat, cold, or drafts. Allow time for readings to stabilize.
Alarm does not sound.	Alarm is not activated. Alarm volume is too low (if adjustable).	Ensure the alarm icon is displayed (refer to Section 6.2).

9. SPECIFICATIONS

- **Model:** WS100
- **Display Type:** Color LCD
- **Screen Size:** 3.3 inches
- **Functions:** Indoor Temperature, Indoor Humidity, Weather Forecast, Time, Date, Alarm, Temperature Trend, Comfort Level
- **Power Source:** 3 x AAA batteries (not included)
- **Dimensions (L x W x H):** 12 x 8.4 x 5.6 cm
- **Weight:** 130 grams
- **Material:** Plastic

- **Connectivity:** Bluetooth (Note: Specific Bluetooth functions may vary or require compatible devices.)
- **Measurement Accuracy:** +/- 0.5% (for certain parameters, typical)

10. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided with your purchase or contact the retailer. For technical support or inquiries, please reach out to the manufacturer or your point of purchase.

11. PRODUCT VIDEOS

No official product videos from the seller meeting the specified criteria (m3u8 format, 'Seller' creator type) were found for this product.