ADE WS2132

ADE WS2132 Wireless Weather Station User Manual

Model: WS2132

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your ADE WS2132 Wireless Weather Station. Please read this manual thoroughly before using the device to ensure correct operation and to prevent damage.

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 service personnel.
- Keep batteries out of reach of children. Dispose of used batteries properly according to local regulations.
- Ensure the outdoor sensor is placed in a location protected from direct rain and sunlight for accurate readings and extended lifespan.

PACKAGE CONTENTS

Please check that all components are present:

- 1x Main Weather Station Unit
- 1x Wireless Outdoor Sensor
- Batteries (2x AA for main unit, 2x AA for sensor)
- User Manual (this document)

Image: The ADE WS2132 Wireless Weather Station package contents, showing the main display unit, the outdoor sensor, and the included batteries. The image also indicates a wireless range of up to 60 meters for the sensor.

PRODUCT OVERVIEW

The ADE WS2132 Wireless Weather Station provides comprehensive climate data at a glance. It features a main display unit and a wireless outdoor sensor.

Alle Klimadaten im Blick

Uhrzeit

15 Datum

Animierte Wettervorhersage mit Trendanzeige

Luftdruck-anzeige

Innen- und Außentemperatur-anzeige
(°C und °F)

Innen- und Außen-hygrometer
(20 – 95 %)

Frostalarm

Image: Detailed view of the ADE WS2132 display, highlighting key information such as time, date, animated weather forecast with trend, air pressure display, indoor and outdoor temperature, indoor and outdoor hygrometer (20-95%), and a frost alarm indicator.

The main unit displays:

- Current time and date
- Animated weather forecast with trend indicator
- Air pressure display
- Indoor and outdoor temperature (°C/°F)
- Indoor and outdoor humidity (hygrometer 20-95%)
- Frost alarm indicator
- Comfort zone indicator and ventilation recommendation

Image: Side and front view of the ADE WS2132 main unit, illustrating its compact dimensions (14.5 cm height, 8.5 cm width, 4.5 cm depth) and the location of the control buttons on the front, including the large button for snooze and backlight.

SETUP

1. Battery Installation

Main Unit:

1. Open the battery compartment cover on the back of the main unit.
2. Insert 2x AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.

Outdoor Sensor:

1. Open the battery compartment cover on the back of the outdoor sensor.
2. Insert 2x AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.

Note: It is recommended to insert batteries into the outdoor sensor first, then into the main unit, to ensure proper synchronization.

2. Sensor Placement

Place the outdoor sensor in a shaded, dry location, protected from direct sunlight and rain. Ensure it is within the 60-meter wireless range of the main unit. Avoid placing it near large metal objects or electrical appliances that could interfere with the signal.

3. Initial Synchronization

After inserting batteries, the main unit will automatically search for the outdoor sensor signal. This process may take a few minutes. Once connected, the outdoor temperature and humidity will appear on the display.
If the connection is not established, press and hold the "MEM" button on the main unit for a few seconds to manually initiate a search for the outdoor sensor.

4. Time and Date Setting

The weather station features a DCF radio clock for automatic time synchronization. Upon initial setup, the device will attempt to receive the DCF signal. This may take several hours, especially indoors. For manual setting or if DCF signal is unavailable:

1. Press and hold the "SET/MODE" button until the time display flashes.
2. Use the "+" or "-" buttons to adjust the hour, then press "SET/MODE" to confirm.
3. Repeat for minutes, year, month, and day.
4. Press "SET/MODE" again to exit the setting mode.

5. Temperature Unit Selection

To switch between Celsius (°C) and Fahrenheit (°F), briefly press the "-" button during normal display mode.

OPERATING INSTRUCTIONS

Display Information

The main display provides various information:

- **Time & Date:** Located at the top left.
- **Weather Forecast:** Animated icons (sunny, cloudy, rainy, etc.) with a trend indicator.
- **Air Pressure:** Displayed in hPa or inHg.
- **Indoor Temperature & Humidity:** Shown in the middle section.
- **Outdoor Temperature & Humidity:** Shown at the bottom.
- **Frost Alarm:** An snowflake icon will appear when the outdoor temperature approaches freezing.
- **Comfort Zone Indicator:** Displays "WET", "COMFORT", or "DRY" based on indoor humidity levels.

Button Functions

- **SET/MODE:** Press to cycle through display modes (e.g., 12/24 hour format, date format). Press and hold to enter setting mode.
- **MEM:** Press to view maximum/minimum temperature and humidity records. Press and hold to clear records.
- **ALARM:** Press to view alarm time. Press and hold to set alarm.
- **+:** Increase values during setting mode.
- **-:** Decrease values during setting mode. Toggle °C/°F.

- **SNOOZE/LIGHT (Top Button):** Press to activate backlight. When alarm sounds, press to activate snooze function.

Alarm Settings

The weather station supports a DCF radio clock and dual alarms with a snooze function.

Image: The ADE WS2132 display highlighting features such as DCF radio clock, dual alarm, snooze function, and backlight. It also shows icons for weekend mode.

1. **Setting Alarm:** Press and hold "ALARM" button. Use "+" or "-" to set alarm time, then "ALARM" to confirm. Repeat for a second alarm if desired.
2. **Activating/Deactivating Alarm:** Briefly press "ALARM" to toggle alarms on/off. An alarm icon will appear when active.
3. **Snooze Function:** When an alarm sounds, press the large "SNOOZE/LIGHT" button on top to activate snooze. The alarm will sound again after approximately 5 minutes.
4. **Stopping Alarm:** Press any other button (except SNOOZE/LIGHT) to stop the alarm for 24 hours.

Backlight

Press the large "SNOOZE/LIGHT" button on top of the main unit to activate the backlight for a few seconds.

Ventilation Recommendation

The weather station provides a visual ventilation recommendation based on indoor humidity levels to help maintain a healthy indoor climate.

Image: The ADE WS2132 display showing a visual ventilation recommendation. An "OPEN" window icon appears with the text "FENSTER OFFEN: BITTE LÜFTEN!" (Window Open: Please Ventilate!) when ventilation is advised for healthier indoor air. The comfort zone indicator is also visible.

When the indoor air quality requires improvement, an "OPEN" window icon and a message will appear on the display, advising to ventilate.

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 units when the low battery indicator appears on the display. Always replace all batteries at the same time with new ones of the same type.
- **Sensor Care:** Periodically check the outdoor sensor for any debris or obstructions that might affect its readings. Ensure its protective casing is intact.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly inserted.	Check battery polarity and replace with new batteries.
No outdoor temperature/humidity reading.	Sensor out of range, low sensor battery, or interference.	Move sensor closer to main unit. Replace sensor batteries. Relocate sensor away from interference sources. Manually re-sync sensor (press and hold "MEM" on main unit).
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight, rain, or heat sources.	Relocate the outdoor sensor to a shaded, protected area. Ensure proper ventilation around the sensor.
DCF time synchronization fails.	Weak signal due to location or interference.	Move the main unit closer to a window or to a different location. Manually set the time if automatic synchronization is not possible.

SPECIFICATIONS

- **Model:** WS2132
- **Dimensions (Main Unit):** 8.5 x 4.8 x 14.5 cm
- **Weight:** 160 g
- **Material:** Plastic
- **Power Source (Main Unit):** 2x AA Batteries (included)
- **Power Source (Sensor):** 2x AA Batteries (included)
- **Sensor Technology:** Wireless
- **Wireless Range:** Up to 60 meters (open area)
- **Temperature Range (Outdoor):** -20°C to 70°C (approx.)
- **Humidity Range (Indoor/Outdoor):** 20% to 95% RH
- **Included Components:** Main station, external sensor, batteries

WARRANTY AND SUPPORT

ADE provides a standard manufacturer's warranty for this product. For detailed warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official ADE website. Please retain your proof of purchase for warranty claims.