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Uzoli EM3566

Uzoli EM3566 Wireless Weather Station User Manual

MODEL: EM3566

Brand: Uzoli

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Uzoli EM3566 Wireless Weather Station. This device offers comprehensive environmental monitoring, including indoor and outdoor temperature and humidity, weather forecasts, an atomic clock, and alarm functions. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

PACKAGE CONTENTS

- Base station (Main Unit) x 1
- Remote sensor x 1
- Power adapter for base station x 1
- User manual x 1

PRODUCT OVERVIEW

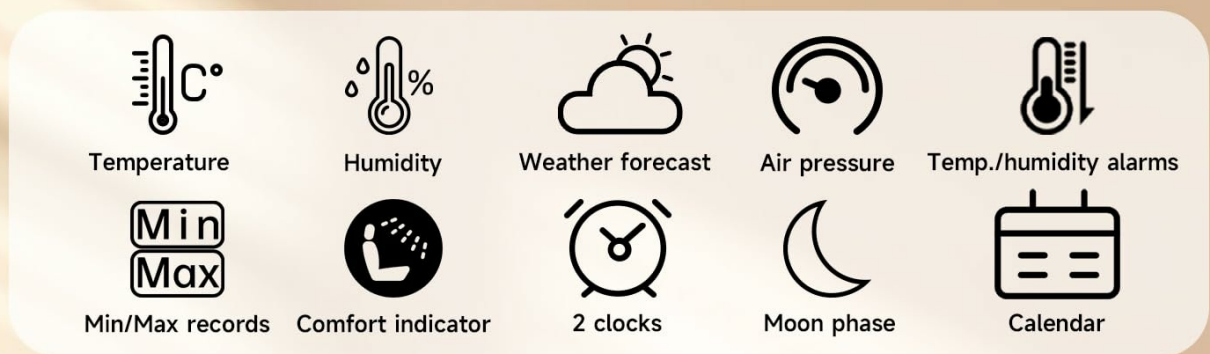
The Uzoli EM3566 Weather Station consists of a main display unit and a wireless remote sensor. The main unit features a 7.4-inch color LCD for clear display of all data, while the remote sensor collects outdoor environmental data.



The main display unit and the accompanying wireless remote sensor.

Multifunctional Weather Station

with 7.4" LCD color display



An overview of the weather station's 7.4-inch color display, highlighting its multiple data points including indoor/outdoor temperature, humidity, weather forecast, and atomic clock.

SETUP INSTRUCTIONS

1. Powering the Devices

The main unit can be powered by the included AC adapter or by 2xAAA batteries (not included) for backup. The remote sensor requires 2xAA batteries (not included).

- **Main Unit:** Insert 2xAAA batteries into the battery compartment. For continuous backlight and full functionality, connect the power adapter to the main unit and plug it into a power outlet.
- **Remote Sensor:** Insert 2xAA batteries into the remote sensor's battery compartment.

5-level Adjustable Brightness Backlight



LV4



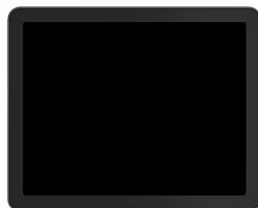
LV3



LV2



LV1



OFF

Battery power:
Backlight on for 15s.

Adapter power:
Backlight on, adjustable
(manual/auto mode).

Power: adapter (included)
or 2×AAA battery (not included)



Illustration of the five adjustable brightness levels for the display backlight, and how power is supplied via adapter or AAA batteries.

2. Initial Synchronization and Calibration

Upon first power-on, place the base station and the remote sensor together for 48 hours. This allows the thermohygrometer to adapt to local conditions and ensure accurate readings.

In the third minute after the initial switch-on, the weather station will automatically enter a 7-minute RCC (Radio Controlled Clock) reception mode. During this period, the backlight and other functions will temporarily turn off to ensure a successful time synchronization. Do not interrupt this process.

3. Remote Sensor Placement

Place the remote sensor in your desired outdoor location. For optimal performance, ensure it is within 197 feet (60m) of the main unit in open areas, free from major obstructions. The weather station supports connection with up to 3 remote sensors (one sensor is included).

3 Nameable Channels Available for Outdoor

(Only 1 sensor included)



Demonstration of the remote sensor's placement outdoors and its ability to connect to the main unit over a distance of up to 197 feet (60m) in open areas, supporting up to three sensors.

OPERATING INSTRUCTIONS

1. Display and Backlight

The 7.4-inch color screen provides an intuitively partitioned interface for easy reading. When powered by the AC adapter, you can choose from 5 brightness levels or enable auto-dimming based on ambient light. When operating on battery power only, the backlight will illuminate for 15 seconds per screen tap to conserve energy.

2. Atomic Clock and Time Setting

The weather station can automatically synchronize with the US WWVB signal, ensuring precise timekeeping and automatic adjustment for Daylight Saving Time (DST). The station attempts to calibrate at 1:00 AM, 2:00 AM, 3:00 AM, and 4:00 AM (e.g., from 1:00-1:07 AM). You can also set the time manually if desired.

3. Temperature and Humidity Monitoring

The device tracks real-time temperature and humidity for both indoor and outdoor environments. It records daily minimum and maximum values, allowing you to observe trends. The system supports up to three remote sensors for monitoring different areas.

4. Weather Forecast

The weather station provides a 12-hour weather forecast for your local area using 6 distinct icons, based on barometric pressure trends. A barometric bar graph illustrates pressure changes over the past 24 hours, aiding in understanding local weather patterns.

Weather Forecast for the Next 8h with a histogram of the historical pressure development.



Visual representation of the weather forecast icons (sunny, cloudy, rainy, snowy) and the barometric pressure trend graph for the next 8 hours.

5. Customizable Weather Alerts

Set personalized high/low alerts for both indoor and outdoor temperature and humidity. An audible alarm will sound when values exceed your preset thresholds. A preset frost alert for outdoors flashes an icon on the screen when the threshold is reached, requiring no additional settings.

6. Alarm Clocks and Other Functions

The weather station includes dual alarm clocks with a snooze mode, allowing for different settings for weekdays and weekends. Additional features include an indoor/outdoor comfort indicator, an indoor mold risk level display, moon phase information, and a calendar with three selectable languages.

More Weather Information



Details on additional features such as the indoor/outdoor comfort indicator, mold risk level, and moon phase display.

MAINTENANCE

To ensure the longevity and accuracy of your Uzoli EM3566 Weather Station, follow these maintenance guidelines:

- **Cleaning:** Wipe the display and unit surfaces with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and remote sensor when the low battery indicator appears on the display. Ensure correct polarity.
- **Sensor Placement:** Periodically check the remote sensor's outdoor placement to ensure it remains protected from direct heavy rain or snow, while still allowing for accurate environmental readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading	Remote sensor out of range, low battery, or interference.	Ensure sensor is within 197ft (60m) of the main unit. Replace sensor batteries. Relocate sensor to minimize interference.
Inaccurate readings	Initial calibration not complete, or sensor/unit exposed to direct sunlight/heat sources.	Allow 48 hours for initial adaptation. Ensure sensor is in a shaded, well-ventilated area.
Atomic clock not synchronizing	Weak WWVB signal, interference, or unit not in reception mode.	Place the main unit near a window, away from electronic devices. Ensure the unit is powered by AC adapter during calibration times (1-4 AM). You may need to manually set the time if the signal is consistently weak in your area.
Display backlight not working or dim	Unit running on batteries, or brightness level set too low.	Connect the AC adapter for continuous backlight. Adjust brightness levels using the appropriate controls. On battery power, backlight is temporary.

SPECIFICATIONS

- **Model Number:** EM3566
- **Product Dimensions:** 1.18 x 6.69 x 5.51 inches
- **Item Weight:** 500 Grams (1.1 Pounds)
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Power Source:** Main Unit: AC Adapter (included) or 2xAAA Batteries (not included); Remote Sensor: 2xAA Batteries (not included)
- **Wireless Range:** Up to 197 ft (60m) in open areas
- **Special Features:** Adjustable Brightness, Alarm, Customizable Alerts, Large Display, Wireless, Atomic Clock, Moon Phase, Weather Forecast

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official Uzoli website. Keep your purchase receipt for warranty claims.