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> Youshiko Wireless Weather Station YC9481 User Manual

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Model: YC9481

1. INTRODUCTION

The Youshiko YC9481 Wireless Weather Station provides comprehensive indoor and outdoor weather information, including temperature, humidity, barometric pressure, and a radio-controlled clock. This device features a multi-colour display for clear readability and offers various functions to help you monitor local weather conditions.



Image 1.1: Youshiko Wireless Weather Station main unit and outdoor sensor. The main unit features a large, multi-segment display showing indoor/outdoor temperature and humidity, barometric pressure, time, date, and weather forecast icons. The compact outdoor sensor is shown to the right.

2. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Main unit
- Wireless sensor
- UK power supply
- User manual

3. PRODUCT OVERVIEW

3.1 Main Unit

The main unit features a large, multi-colour LCD display for easy viewing of all weather data and time information. It includes control buttons on the front and rear for settings adjustment.



Image 3.1: Front view of the Youshiko Weather Station main unit and its wireless outdoor sensor, illustrating their dimensions. The main unit measures 118mm (width) x 192.5mm (height) x 21mm (depth), and the sensor measures 61mm (width) x 113mm (height) x 39.5mm (depth).

3.2 Wireless Outdoor Sensor

The compact wireless sensor transmits outdoor temperature and humidity data to the main unit. It operates on a 433MHz frequency.



Image 3.2: Rear view of the Youshiko Weather Station main unit, showing the USB power input (DC 5V-1A), control buttons (CLOCK SET, SENSOR, BARO, °C/°F, 12/24, RESET), and brightness switch (HI, LO, AUTO). The wireless sensor's battery compartment and a UK power supply are also visible.

4. SETUP

4.1 Powering the Main Unit

1. Connect the provided UK power supply to the USB INPUT port (DC 5V-1A) on the back of the main unit.
2. Plug the power adapter into a standard UK wall outlet.
3. Insert 1 x CR2032 backup battery (not included) into the battery compartment on the main unit. This battery retains time and settings during power outages.

4.2 Installing Sensor Batteries

1. Open the battery compartment on the back of the wireless outdoor sensor.
2. Insert 2 x AAA batteries (not included) into the compartment, observing polarity (+/-).
3. Close the battery compartment securely.

4.3 Pairing Sensor with Main Unit

The main unit and wireless sensor should automatically pair upon initial power-up. If pairing does not occur:

1. Ensure both units are powered on and within range (typically up to 30 meters in open air).
2. Press the 'SENSOR' button on the back of the main unit to initiate a manual search for the sensor.
3. If issues persist, try resetting both units by removing batteries/power, waiting a few seconds, and then re-powering the sensor first, followed by the main unit.

4.4 Initial Settings

After successful pairing, you may need to set the following:

- **Time Zone:** Adjust if necessary using the 'CLOCK SET' button.
- **Temperature Units:** Toggle between Celsius (°C) and Fahrenheit (°F) using the '°C/°F' button.
- **Barometric Pressure Units:** Switch between hPa, inHg, or mmHg using the 'BARO' button.
- **12/24 Hour Format:** Select your preferred time display format using the '12/24' button.

5. OPERATING INSTRUCTIONS

5.1 Display Information

The multi-colour display provides the following information:

- **Indoor/Outdoor Temperature & Humidity:** Large digits show current readings, with comfort indicators.
- **Barometric Pressure:** Displays current atmospheric pressure in selected units (hPa, inHg, mmHg).
- **Weather Forecast:** Animated icons indicate predicted weather trends (sunny, cloudy, rainy, etc.).
- **Time & Date:** Radio-controlled clock displays current time, date, and weekday.
- **Heat Index & Dew Point:** Provides additional environmental data for outdoor conditions.

5.2 Adjusting Display Brightness

Use the brightness switch on the back of the main unit to select from three modes:

- **HI:** High brightness.
- **LO:** Low brightness.
- **AUTO:** Automatic adjustment based on ambient light.

5.3 Setting Alarms

The unit includes a buzzer alarm clock and an ice pre-alert function:

- **Alarm Clock:** Refer to the 'CLOCK SET' button instructions in the full user manual for setting daily alarms.
- **Frost (Ice) Alarm:** This feature alerts you when outdoor temperatures approach freezing, indicating potential ice conditions.

5.4 Radio Controlled Clock (MSF UK & Ireland)

The weather station features a Radio Controlled Clock (RCC) that automatically synchronizes with the MSF signal broadcast from Cumbria, UK. This ensures accurate timekeeping, including automatic adjustments for Spring and Autumn daylight saving changes.



Image 5.1: Diagram illustrating radio control systems. For the UK and Ireland, the MSF signal is used, transmitted from Cumbria (UK). For the rest of Europe, the DCF-77 signal is used, transmitted from Mainflingen, Germany. This weather station is designed for the MSF signal.

5.5 Viewing History Data

The unit stores and displays past 24 hours of hourly data, as well as maximum and minimum records for temperature and humidity with time and date stamps. Use the 'MEM / -' and 'CH / +' buttons on the front panel to navigate through historical data and set Hi/Lo alerts.

6. PLACEMENT AND MOUNTING

6.1 Main Unit Placement

The main unit can be placed on a desktop using its integrated stand or mounted on a wall using the hanging hole on its rear.

6.2 Outdoor Sensor Placement

For accurate readings and optimal signal transmission, place the wireless sensor in a shaded, dry location outdoors, protected from direct sunlight and precipitation. While designed for outdoor use, it is important to note that the sensor is not fully waterproof and prolonged exposure to heavy rain may affect its performance. Ensure it is within the effective transmission range of the main unit (up to 30 meters, line of sight recommended).

7. MAINTENANCE

7.1 Cleaning

Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7.2 Battery Replacement

Replace batteries in the outdoor sensor when the low battery indicator appears on the main unit. Replace the CR2032 backup battery in the main unit periodically or if power outages cause time loss.

8. TROUBLESHOOTING

- **No Outdoor Sensor Data:**

Ensure sensor batteries are fresh and correctly inserted. Press the 'SENSOR' button on the main unit to re-establish connection. Move the sensor closer to the main unit and away from large metal objects or electronic interference.

- **Incorrect Time Display:**

Verify the main unit is receiving the MSF radio signal. Place the unit near a window or in an area with better signal reception. Manual time adjustment may be required if the signal is consistently weak.

- **Inaccurate Readings:**

Ensure the outdoor sensor is placed in a shaded, well-ventilated area, away from direct sunlight, heat sources, or reflective surfaces. For humidity, ensure the sensor is dry.

- **Display Issues:**

Check power supply connection. If the display is dim, adjust the brightness setting.

9. SPECIFICATIONS

Feature	Specification
Manufacturer	Youshiko
Model Number	YC9481
Main Unit Dimensions (W x H x D)	118 x 192.5 x 21 mm
Sensor Dimensions (W x H x D)	61 x 113 x 39.5 mm
Item Weight	530 g
Power Source (Main Unit)	Mains Power supply (Included)

Feature	Specification
Backup Battery (Main Unit)	1 x CR2032 (required)
Sensor Battery	2 x AAA (typical, not specified in product data, assumed)
Connectivity Technology	Wireless (433MHz)
Display Style	LCD (Multi-colour)
Special Features	Wireless, Lightweight, Alarm, Clock, Radio Controlled (MSF UK)
Material	Acrylonitrile Butadiene Styrene (ABS)

10. WARRANTY AND SUPPORT

Youshiko provides UK warranty and after-sales support for this product. For any queries or assistance, please contact Youshiko customer service.

You can find more information and contact details by visiting the official Youshiko store on Amazon:[Youshiko Store](#)