

## Technoline WS 9040

# Technoline WS 9040-IT Weather Station

## USER MANUAL

Model: WS 9040 | Brand: Technoline

### 1. INTRODUCTION

Thank you for choosing the Technoline WS 9040-IT Weather Station. This device provides comprehensive weather information, including indoor and outdoor temperature and humidity, barometric pressure, weather forecasts, and moon phases. It features a DCF-77 radio-controlled clock for accurate timekeeping and supports up to three external sensors. Please read this manual carefully to ensure proper setup and operation.



Figure 1: Front view of the Technoline WS 9040-IT Weather Station, displaying time, date, indoor temperature, humidity, weather forecast, pressure, and outdoor readings.

### 2. PRODUCT FEATURES

- DCF-77 Radio-Controlled Clock with manual setting option
- 12/24 hour time display
- Time zone setting ( $\pm 12$  hours)
- Date and weekday display
- Indoor and outdoor temperature display
- Indoor and outdoor humidity display
- MIN/MAX record for temperature and humidity

- Comfort level indicator
- Barometric pressure display and 24-hour history
- Weather forecast and trend indication
- Moon phase display
- Adjustable LCD contrast
- Low battery indicator
- Supports up to 3 external sensors (868 MHz connectivity)
- Wall mountable or table standing

### 3. PACKAGE CONTENTS

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Please check the package contents to ensure all items are present:

- Technoline WS 9040-IT Weather Station (Main Unit)
- Outdoor Sensor (typically one included, additional sensors sold separately)
- Instruction Manual

### 4. SETUP

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#### 4.1 Battery Installation

1. Open the battery compartment cover on the back of the main unit and the outdoor sensor.
2. Insert AA batteries into both the main unit and the outdoor sensor, observing the correct polarity (+/-).
3. Close the battery compartment covers securely.

**Note:** Always replace all batteries at the same time. Do not mix old and new batteries or different types of batteries.

#### 4.2 External Sensor Placement

Place the outdoor sensor in a shaded, dry location, protected from direct sunlight and rain, to ensure accurate temperature and humidity readings. The maximum transmission range is approximately 100 meters in open air. Avoid placing the sensor near large metal objects or electrical appliances that may interfere with the 868 MHz signal.

#### 4.3 Initial Power-Up and DCF-77 Synchronization

After battery installation, the main unit will automatically search for the outdoor sensor signal and the DCF-77 radio time signal. This process may take several minutes. Once synchronized, the time, date, and outdoor readings will appear on the display.

- If the outdoor sensor signal is not received, press the CH button on the main unit to initiate a manual search.
- If the DCF-77 signal is not received, the clock can be set manually.

### 5. OPERATING INSTRUCTIONS

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Figure 2: Angled view of the weather station display, highlighting various information segments and control buttons at the bottom.

## 5.1 Time and Date Settings

- **Automatic Synchronization:** The clock automatically synchronizes with the DCF-77 radio signal. A tower icon on the display indicates successful reception.
- **Manual Setting:** If the DCF-77 signal is unavailable, press and hold the **SET** button to enter manual time setting mode. Use the **IN** and **OUT/+** buttons to adjust values and **SET** to confirm and move to the next setting (hour, minute, 12/24h format, year, month, day, time zone).
- **Time Zone:** Adjust the time zone offset ( $\pm 12$  hours) if you are outside the standard DCF-77 reception area but still wish to receive the signal.

## 5.2 Temperature and Humidity Display

- The main unit displays indoor temperature and humidity.
- Press the **OUT/+** button to cycle through the outdoor temperature and humidity readings from connected external sensors (CH1, CH2, CH3).

## 5.3 Barometric Pressure Display

The weather station displays the current barometric pressure and a 24-hour history graph. The pressure trend indicator shows whether the pressure is rising, falling, or stable.

## 5.4 Weather Forecast

The weather forecast icons (e.g., sunny, partly cloudy, cloudy, rainy) predict the weather for the next 12-24 hours based on barometric pressure changes. This is a prediction and may not always be 100% accurate.

## 5.5 Moon Phase Display

The display shows the current moon phase, which updates automatically with the date.

## 5.6 MIN/MAX Records

Press the **IN** button to view the minimum and maximum recorded indoor and outdoor temperature and humidity values. Press **IN** again to cycle through the records. To clear the records, press and hold the **IN** button while viewing the MIN/MAX values.

## 5.7 Comfort Level Indicator

An icon on the display indicates the indoor comfort level based on temperature and humidity. This helps in maintaining an optimal indoor environment.

### 5.8 LCD Contrast Adjustment

The LCD contrast can be adjusted for better readability from different viewing angles. Refer to the specific instructions in the full manual for your model, as this feature may vary.

## 6. MAINTENANCE

### 6.1 Battery Replacement

When the low battery indicator appears on the display, replace all batteries in both the main unit and the outdoor sensor with new AA batteries. Ensure correct polarity.

### 6.2 Cleaning

Clean the weather station and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the surfaces. Avoid exposing the units to excessive moisture.

## 7. TROUBLESHOOTING

- **No display:** Check battery installation and ensure batteries are fresh.
- **No outdoor readings:** Ensure the outdoor sensor is within range and has fresh batteries. Press the**CH** button on the main unit to re-establish connection. Avoid obstructions between the main unit and sensor.
- **Incorrect time:** Verify DCF-77 signal reception (tower icon). If signal is weak, try relocating the main unit. Manually set the time if automatic synchronization fails.
- **Inaccurate temperature/humidity:** Ensure sensors are not exposed to direct sunlight, heat sources, or excessive moisture.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	WS 9040
Dimensions (L x W x H)	21.6 x 11.4 x 7.8 cm
Weight	244 grams
Power Source	Battery powered (AA batteries required)
Material	Plastic
Connectivity Technology	868 MHz
Special Feature	Moon Phase Information




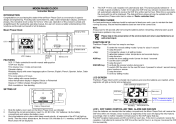
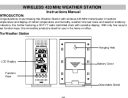

## 9. WARRANTY INFORMATION

Technoline products are designed for reliability and performance. This product typically comes with a standard manufacturer's warranty covering defects in materials and workmanship for a period of one year from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accident, unauthorized modification, or normal wear and tear. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact customer support.

## 10. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your Technoline WS 9040-IT Weather Station that are not addressed in this manual, please contact Technoline customer support. Contact information can usually be found on the product packaging or the official Technoline website. Please have your product model number (WS 9040) and purchase details ready when contacting support.

### Related Documents - WS 9040

	<p><a href="#">WS 6750 Weather Station User Manual - TechnoLine</a></p> <p>Comprehensive user manual for the TechnoLine WS 6750 weather station, covering setup, features, operation, and troubleshooting. Learn about temperature, humidity, air pressure, time, alarms, and more.</p>
	<p><a href="#">TechnoLine WS-7394-ITg Weather Station Instruction Manual</a></p> <p>Comprehensive instruction manual for the TechnoLine WS-7394-ITg weather station, covering setup, features, operation, and technical specifications for monitoring indoor and outdoor temperature, humidity, and air pressure.</p>
	<p><a href="#">Wireless 433 MHz Weather Clock Instruction Manual</a></p> <p>Comprehensive instruction manual for the Wireless 433 MHz Weather Clock, detailing features, installation, setup, operation, and maintenance of the weather station and its outdoor temperature transmitter.</p>
	<p><a href="#">Moon Phase Clock Instruction Manual - Radio Controlled Time, Date, Temperature</a></p> <p>Comprehensive instruction manual for the Moon Phase Clock, detailing setup, features, manual settings, and maintenance for the DCF-77 radio-controlled timepiece by Technoline.</p>
	<p><a href="#">TechnoLine Wireless 433 MHz Weather Station Manual &amp; Features</a></p> <p>Comprehensive manual for the TechnoLine Wireless 433 MHz Weather Station, covering setup, features, operation, maintenance, and specifications for indoor and outdoor temperature, humidity, and weather forecasting. Includes DCF-77 radio-controlled time.</p>
	<p><a href="#">WS8014 Radio Controlled Clock and Weather Station User Manual</a></p> <p>User manual for the WS8014 radio-controlled clock and weather station, covering features, setup, operation, specifications, and safety information.</p>

