

## Technoline WS 6810 amber

# Technoline WS 6810 Weather Station User Manual

Model: WS 6810 amber

Contents   Features   Setup   Operation   Overview   Maintenance   Package   Troubleshooting   Specifications   Support

## 1. PRODUCT OVERVIEW

The Technoline WS 6810 amber Weather Station is a sophisticated device designed to provide accurate indoor and outdoor temperature readings, precise timekeeping via DCF-77 radio control, and convenient alarm functions. Its modern design with a warm amber LED display and black high-gloss finish integrates seamlessly into any contemporary home environment. This manual provides detailed instructions for setting up, operating, and maintaining your weather station.



Figure 1.1: Front view of the Technoline WS 6810 Weather Station, displaying indoor and outdoor temperatures, current time, and alarm indicators.

## 2. PACKAGE CONTENTS

Please check the package contents carefully. If any items are missing or damaged, contact your retailer immediately.

- 1 x Technoline WS 6810 Temperature Station (Main Unit)
- 1 x TX96 (TW004) Outdoor Sensor
- 1 x Power Supply Unit (220V)
- 1 x User Manual (this document)

**Note:** 3 x AAA Micro LR03 batteries for main unit backup and 2 x AAA Micro LR03 batteries for the outdoor sensor are **not included** and must be purchased separately.



Figure 2.1: The Technoline WS 6810 main unit alongside its TX96 outdoor sensor.

### 3. KEY FEATURES

---

- **DCF-77 Radio-Controlled Clock:** Automatic time synchronization for precise timekeeping. Includes manual setting option and time zone adjustment ( $\pm 1$  hour).
- **Indoor and Outdoor Temperature Display:** Monitors and displays current temperatures for both indoor and outdoor environments.
- **Min/Max Temperature Memory:** Records and displays the highest and lowest temperatures measured.
- **Dual Alarm Clocks:** Two independent alarms (ALM1, ALM2) with adjustable settings.
- **Snooze Function:** Provides a temporary pause for alarms, typically 5 minutes.
- **Adjustable Display Brightness:** Two brightness levels for optimal visibility in various lighting conditions.
- **Table Stand:** Integrated stand for convenient desktop placement.
- **LED Display:** Clear, warm amber LED digits for easy readability.

### 4. SETUP GUIDE

---

#### 4.1. Powering the Main Unit

1. Connect the provided power supply unit to the DC IN port on the back of the WS 6810 main unit.
2. Plug the power adapter into a standard 220V electrical outlet. The display will illuminate.
3. For backup power during outages, insert 3 x AAA Micro LR03 batteries (not included) into the battery compartment on the back of the main unit, observing polarity (+/-).

## 4.2. Installing Batteries in the Outdoor Sensor (TX96)

1. Open the battery compartment on the back of the TX96 outdoor sensor.
2. Insert 2 x AAA Micro LR03 batteries (not included), ensuring correct polarity.
3. Close the battery compartment securely.

## 4.3. Initial Synchronization and Sensor Placement

1. Place the outdoor sensor within effective transmission range (typically up to 30 meters in open air) of the main unit. Avoid placing it near large metal objects, electrical appliances, or direct sunlight.
2. The main unit will automatically attempt to receive the DCF-77 radio signal for time synchronization and connect with the outdoor sensor. This process may take several minutes. A signal icon will appear on the display once synchronization is successful.
3. If the outdoor temperature does not appear after a few minutes, press the "SENSOR" button on the main unit to manually initiate a search for the outdoor sensor.

## 4.4. Time Zone Setting (if required)

If you are in a region where the DCF-77 signal's standard time differs from your local time (e.g., outside Central European Time), you may need to adjust the time zone.

1. In normal time display mode, press and hold the "SET" button until the time zone offset flashes.
2. Use the "+" or "-" buttons to adjust the time zone offset in  $\pm 1$  hour increments.
3. Press "SET" again to confirm and exit.



Figure 4.1: Top view of the WS 6810, highlighting the control buttons for setup and operation.

## 5. OPERATING INSTRUCTIONS

### 5.1. Display Information

The large LED display shows the following information:

- **IN:** Indoor temperature.
- **OUT:** Outdoor temperature (from TX96 sensor).
- **Time:** Current time (radio-controlled).
- **ALM1 / ALM2:** Indicators for Alarm 1 and Alarm 2.
- **Signal Icon:** Indicates successful DCF-77 signal reception.
- **MIN / MAX:** Indicators for minimum and maximum temperature records.

### 5.2. Setting Alarms

The WS 6810 features two independent alarms (ALM1 and ALM2).

1. Press the "ALARM" button repeatedly to cycle through ALM1, ALM2, and normal time display.
2. When ALM1 or ALM2 is displayed, press and hold the "ALARM" button until the alarm time flashes.
3. Use the "+" or "-" buttons to adjust the hour, then press "ALARM" to confirm and move to minutes.
4. Use the "+" or "-" buttons to adjust the minutes, then press "ALARM" to confirm.
5. To activate/deactivate an alarm, select ALM1 or ALM2 display, then press the "+" button. An alarm icon will appear/disappear.

5.3. Snooze Function

When an alarm sounds, press the "SNOOZE/LIGHT" button to activate the snooze function. The alarm will temporarily stop and sound again after approximately 5 minutes.

5.4. Adjusting Display Brightness

Press the "SNOOZE/LIGHT" button (when no alarm is sounding) to toggle between the two available brightness levels for the LED display.

5.5. Viewing Min/Max Temperatures

Press the "MIN/MAX" button to cycle through the current, maximum, and minimum recorded indoor and outdoor temperatures. To reset the min/max records, press and hold the "MIN/MAX" button while the min/max values are displayed.

6. MAINTENANCE

- **Cleaning:** Wipe the main unit and outdoor sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in the outdoor sensor and main unit (for backup) when the low battery indicator appears on the display or when performance degrades. Always replace all batteries of a set at the same time.
- **Sensor Placement:** Periodically check the outdoor sensor's placement to ensure it is protected from direct sunlight and heavy precipitation for accurate readings and longevity.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Power adapter not connected or faulty; batteries (backup) are dead or incorrectly inserted.	Ensure power adapter is securely plugged in. Check and replace backup batteries, ensuring correct polarity.
Outdoor temperature not displayed or inaccurate.	Outdoor sensor batteries are dead; sensor out of range; interference; sensor not paired.	Replace outdoor sensor batteries. Move sensor closer to the main unit. Avoid placing near electronics. Press "SENSOR" button on main unit to re-establish connection.
Time is incorrect or not synchronizing.	Weak DCF-77 signal; interference; incorrect time zone setting.	Relocate the main unit to an area with better signal reception (e.g., near a window, away from electronics). Check time zone setting. Manual time setting is available if radio control fails.

Problem	Possible Cause	Solution
Alarm not sounding.	Alarm is not activated; alarm volume too low (not applicable for this model, but common issue).	Ensure the alarm icon (ALM1 or ALM2) is displayed, indicating activation. Re-set the alarm time.

## 8. TECHNICAL SPECIFICATIONS

Model	WS 6810 amber
Main Unit Dimensions (L x W x H)	28.5 x 7 x 5.5 cm (approx. 11.2 x 2.8 x 2.2 inches)
Main Unit Weight	500 g (approx. 1.1 lbs)
Outdoor Sensor (TX96) Dimensions (L x W x H)	50 x 22 x 104 mm (approx. 2.0 x 0.9 x 4.1 inches)
Power Supply (Main Unit)	220V AC Power Adapter (included)
Backup Power (Main Unit)	3 x AAA Micro LR03 batteries (not included)
Power Supply (Outdoor Sensor)	2 x AAA Micro LR03 batteries (not included)
Display Type	LED (Amber)
Time Synchronization	DCF-77 Radio Controlled
Temperature Range (Indoor)	<i>(Information not provided, typical range is 0°C to 50°C)</i>
Temperature Range (Outdoor)	<i>(Information not provided, typical range is -20°C to 60°C)</i>

## 9. WARRANTY AND SUPPORT

Technoline products are manufactured to high quality standards. For warranty information, technical support, or service inquiries, please contact your retailer or visit the official Technoline website.




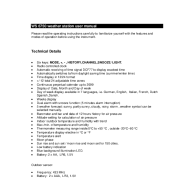
**Official Product Page:** <http://www.technoline.eu/products/en/4029665068107>

Please retain your proof of purchase for warranty claims.

© 2023 Technoline. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

### Related Documents

	<p><a href="#">Technoline WS 9130 Wireless Weather Forecast Station - Features and Specifications</a></p> <p>Detailed information about the Technoline WS 9130 wireless weather forecast station, including its features, specifications, and ideal use cases. Learn about its radio-controlled time, indoor/outdoor temperature monitoring, and weather forecasting capabilities.</p>
	<p><a href="#">Technoline WS 9130 Weather Forecast Station - Features and Specifications</a></p> <p>Discover the Technoline WS 9130, a popular wireless weather forecast station. This document details its features, including indoor/outdoor temperature, weather trend indicators, radio-controlled time, and max/min temperature memory. Learn about its specifications, ideal uses, and optional accessories.</p>
	<p><a href="#">Technoline WS 9632 Weather Man Forecast Station - Product Overview</a></p> <p>Discover the Technoline WS 9632 Weather Man Forecast Station, a popular and fun weather forecaster that displays indoor and outdoor temperatures, humidity, and forecast trends with a unique weatherman feature. Learn about its specifications, features, and additional options.</p>
	<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>