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> Techno Line WS6780 2-in-1 Radio Clock and Weather Station Instruction Manual

techno line WS6780

Techno Line WS6780 2-in-1 Radio Clock and Weather Station User Manual

Model: WS6780

1. INTRODUCTION

Thank you for choosing the Techno Line WS6780 2-in-1 Radio Clock and Weather Station. This device combines a precise DCF77 radio-controlled clock with a comprehensive weather station, providing accurate indoor and outdoor temperature, humidity, and atmospheric pressure readings, along with weather forecasts. This manual will guide you through the setup, operation, and maintenance of your new device.

2. PACKAGE CONTENTS

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

- 1 x WS6780 Main Station
- 1 x TX205-DTH Outdoor Transmitter
- 1 x Instruction Manual

3. SAFETY INFORMATION

Please read these safety instructions carefully before using the device. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- Do not expose the main unit or transmitter to extreme temperatures, direct sunlight, or moisture.
- Do not immerse the device in water.
- Use only the specified battery type (AA Mignon LR06).
- Do not mix old and new batteries or different types of batteries.
- Dispose of used batteries according to local regulations.
- Keep the device out of reach of children.
- Do not attempt to repair or modify the device yourself. Contact qualified personnel for service.

4. PRODUCT OVERVIEW

The WS6780 consists of a main display unit and an outdoor transmitter. The main unit displays time, indoor/outdoor temperature and humidity, weather forecast, and atmospheric pressure. The outdoor transmitter measures external temperature and humidity and transmits data wirelessly to the main unit.

4.1 Main Station



Image: The Techno Line WS6780 main station display unit and its accompanying outdoor sensor. The display shows time, indoor/outdoor temperature, humidity, and weather forecast icons.

The main station features a large LCD display for easy readability. It includes buttons on the back for settings and adjustments.

The display shows:

- DCF77 Radio-controlled time with manual setting option
- Indoor temperature and humidity
- Outdoor temperature and humidity (from up to 3 transmitters)
- Temperature and humidity trend indicators

- Min/Max history for temperature and humidity
- Indoor and outdoor comfort indicators
- Weather forecast and weather trend
- Air pressure indicator
- Two alarm clocks with snooze function
- Backlight

4.2 Outdoor Transmitter (TX205-DTH)



Image: The Techno Line WS6780 main station displaying data from multiple outdoor sensors. The image illustrates the capability to connect up to three external transmitters for comprehensive outdoor monitoring.

The TX205-DTH outdoor transmitter is designed to measure external temperature and humidity. It transmits this data wirelessly to the main station. The main station can receive data from up to three such transmitters, allowing for monitoring of different outdoor locations.

5. SETUP

5.1 Battery Installation

1. Outdoor Transmitter (TX205-DTH):

- Open the battery compartment cover on the back of the transmitter.
- Insert 2 x AA Mignon LR06 batteries, observing the correct polarity (+/-).
- Close the battery compartment cover securely.

2. Main Station (WS6780):

- Open the battery compartment cover on the back of the main station.
- Insert 2 x AA Mignon LR06 batteries, observing the correct polarity (+/-).
- Close the battery compartment cover securely.

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

5.2 Initial Synchronization and DCF77 Signal Reception

After battery installation, the main station will automatically begin searching for the outdoor transmitter signal and the DCF77 radio time signal. This process may take several minutes.

- Place the outdoor transmitter within range of the main station (typically up to 100 meters in open air).
- Ensure the main station is placed away from sources of interference (e.g., TVs, computers, large metal objects).
- The radio signal icon on the display will flash during signal reception and become solid once the time is successfully synchronized.

5.3 Pairing Additional Transmitters

The WS6780 can support up to three outdoor transmitters. To add additional transmitters (sold separately):

1. Install batteries in the new transmitter.
2. On the main station, press and hold the "CHANNEL" or "SEARCH" button (refer to specific button labels on your device) to initiate a search for new transmitters.
3. The main station will display the data from the newly paired transmitter in the next available channel (1, 2, or 3).

5.4 Outdoor Transmitter Placement

For accurate outdoor readings, place the TX205-DTH transmitter in a sheltered location, away from direct sunlight and rain. Ensure it is mounted vertically to allow for proper drainage and air circulation. Avoid placing it near heat sources or reflective surfaces that could skew temperature readings.

6. OPERATING INSTRUCTIONS

6.1 Display Overview

The main display is divided into several sections:

- **Time Section:** Displays the current time, date, and DCF77 signal status.
- **Indoor Section:** Shows indoor temperature, humidity, and comfort indicator.
- **Outdoor Section:** Shows outdoor temperature, humidity, and comfort indicator for the selected channel.
- **Weather Forecast Section:** Displays weather forecast icons and weather trend.
- **Air Pressure Section:** Shows current atmospheric pressure.

6.2 Setting Time and Date Manually

If the DCF77 signal is unavailable or weak, you can set the time and date manually:

1. Press and hold the "SET" button (or similar) to enter time setting mode.
2. Use the "+" and "-" buttons to adjust values.
3. Press "SET" again to confirm and move to the next setting (e.g., hour, minute, year, month, day).
4. Exit setting mode by pressing "SET" repeatedly or waiting for automatic exit.

6.3 Alarm Clock Settings

The WS6780 features two independent alarms with a snooze function.

1. Press the "ALARM" button to view Alarm 1 time. Press again for Alarm 2.
2. Press and hold "ALARM" to enter alarm setting mode.
3. Use "+" and "-" to set the desired alarm time.
4. Press "ALARM" to confirm and move to the next setting.
5. To activate/deactivate an alarm, press the "ALARM ON/OFF" button (or similar) when the alarm time is displayed.
6. When an alarm sounds, press the "SNOOZE" button to temporarily silence it. The alarm will sound again after a few minutes. Press any other button to stop the alarm completely.

6.4 Min/Max History

The device records the minimum and maximum temperature and humidity values for both indoor and outdoor sensors.

- Press the "MIN/MAX" button to cycle through current, maximum, and minimum readings.
- To clear the recorded Min/Max values, press and hold the "MIN/MAX" button while the Min/Max values are displayed.

6.5 Backlight

Press the "LIGHT" or "SNOOZE/LIGHT" button to activate the display backlight for a few seconds, improving readability in low-light conditions.

7. MAINTENANCE

7.1 Battery Replacement

When the low battery indicator appears on the display for either the main unit or the outdoor transmitter, replace the batteries promptly. Follow the battery installation steps in Section 5.1.

7.2 Cleaning

Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing. Ensure the device is dry before use.

7.3 Storage

If the device will not be used for an extended period, remove the batteries from both the main unit and the transmitter to prevent leakage. Store the device in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly inserted.	Replace batteries, ensuring correct polarity.
Outdoor temperature/humidity not displayed.	Transmitter out of range, low battery, or interference.	Move transmitter closer, replace batteries, or reposition away from interference. Initiate manual search for transmitter.
Incorrect time displayed.	DCF77 signal not received or weak.	Relocate the main unit to a window or open area. Manually set the time if signal reception remains poor.
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight, heat sources, or moisture.	Relocate the outdoor transmitter to a sheltered, shaded area.

9. SPECIFICATIONS



Image: A person holding the Techno Line WS6780 main station, illustrating its physical dimensions with arrows indicating a width of 173mm and a height of 140mm.

Feature	Detail
Model	WS6780
Brand	Techno Line
Main Station Dimensions (L x H x D)	173 x 140 x 27 mm
Outdoor Transmitter (TX205-DTH) Dimensions (L x H x D)	40 x 104 x 27 mm
Main Station Power	2 x AA Mignon LR06 batteries (not included)
Outdoor Transmitter Power	2 x AA Mignon LR06 batteries (not included)

Feature	Detail
Connectivity Technology	Wireless
Special Features	DCF77 Radio-controlled clock, manual adjustment, weather forecast, comfort display, Min/Max history, trend indicators, 2 alarms with snooze.
Temperature Reading Accuracy	+/- 1 degree Celsius
Maximum Operating Temperature	60 Degrees Celsius
Material	Metal and plastic
Color	Silver front, black back

10. WARRANTY AND SUPPORT

Warranty: This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or contact your retailer for specific warranty terms and conditions.

Support: For technical assistance, troubleshooting, or spare parts, please contact your retailer or the manufacturer directly. Contact information can usually be found on the product packaging or the manufacturer's official website.