Techno Line WD2200

Techno Line WD2200 Weather Station User Manual

1. INTRODUCTION

Thank you for choosing the Techno Line WD2200 Weather Station. This device provides comprehensive weather data, including indoor and outdoor temperature and humidity, barometric pressure, and a 3-day weather forecast. It also features connectivity with the 'Direct Weather' application for smartphones (iOS and Android), allowing you to view data on your mobile device. This manual will guide you through the setup, operation, and maintenance of your weather station to ensure optimal performance.

2. SAFETY INFORMATION

- Read all instructions carefully before using the device.
- Keep the device away from extreme temperatures, direct sunlight, strong vibrations, and impacts.
- Do not immerse the device in water or other liquids.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Dispose of used batteries responsibly according to local regulations.
- Ensure batteries are inserted with correct polarity.

3. PACKAGE CONTENTS

Please check that all components are present in your package:

- WD2200 Weather Station (Main Unit)
- TX205DTH Outdoor Transmitter (Sensor)
- User Manual

Note: Batteries are not included and must be purchased separately.

4. PRODUCT OVERVIEW

The Techno Line WD2200 Weather Station consists of a main display unit and an external wireless sensor. The main unit displays all collected data and forecasts, while the external sensor measures outdoor
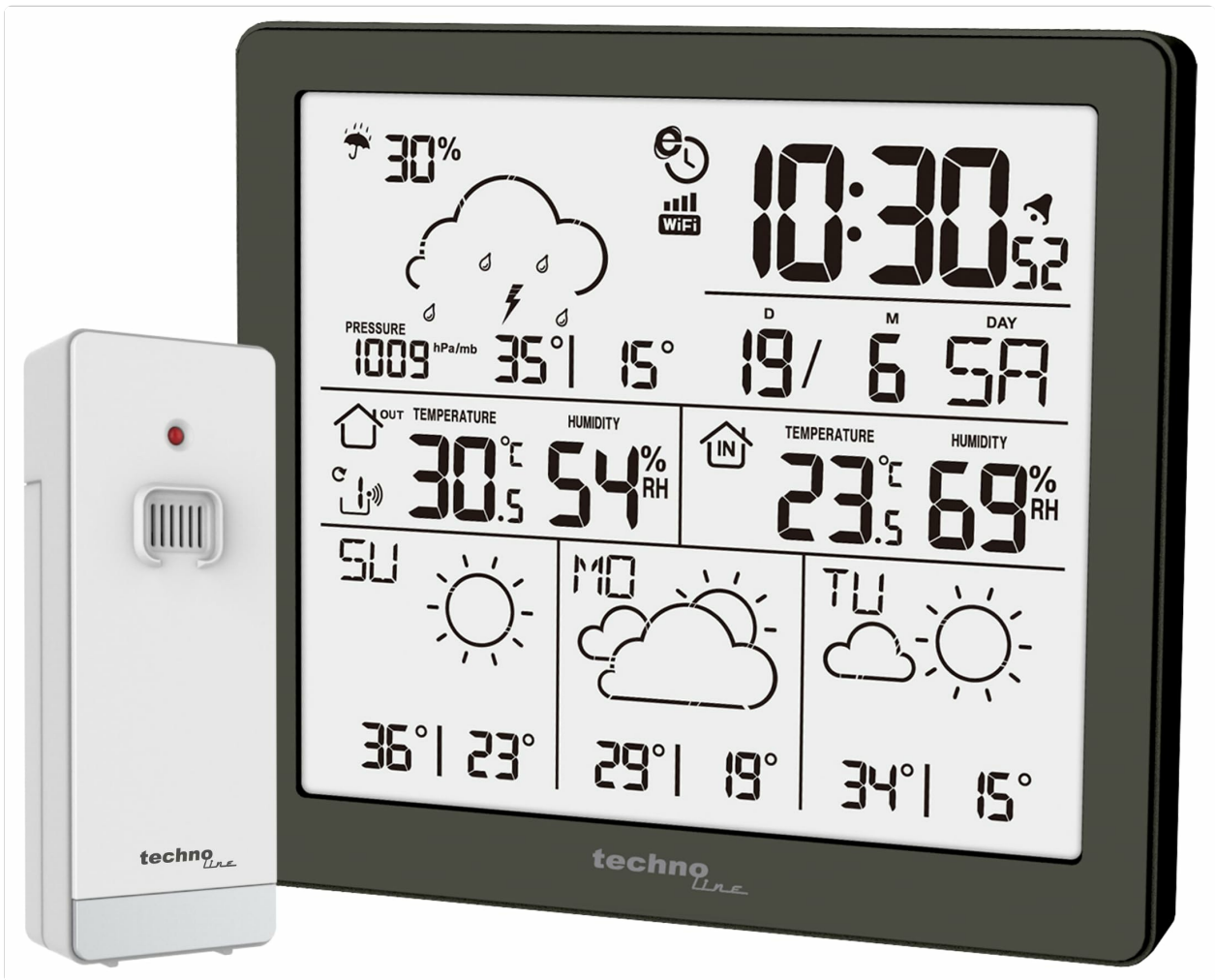
temperature and humidity.

Figure 1: Front view of the Techno Line WD2200 Weather Station display. The display shows time, date, indoor and outdoor temperature and humidity, barometric pressure, precipitation probability, and a 3-day forecast with corresponding weather icons and min/max temperatures.

Display Elements:

- **Top Left:** Precipitation probability (e.g., 30%).

- **Top Right:** Current time (e.g., 10:30) and date (e.g., 19/6 SA for June 19th, Saturday).

- **Middle Left (Outdoor Data):** Barometric pressure (e.g., 1009 hPa/mb), outdoor temperature (e.g., 30.5°C), and outdoor humidity (e.g., 54% RH).

- **Middle Right (Indoor Data):** Indoor temperature (e.g., 23.6°C) and indoor humidity (e.g., 69% RH).

- **Bottom Section:** 3-day forecast (e.g., Sunday, Monday, Tuesday) with weather icons (sunny, cloudy) and corresponding minimum and maximum temperatures (e.g., SU: 36°/23°, MO: 29°/19°, TU: 34°/15°).

5. SETUP

5.1 Battery Installation

1. **Outdoor Transmitter (TX205DTH):** Open the battery compartment on the back of the sensor. Insert 2 x AA Mignon LR06 batteries, observing the correct polarity (+/-). Close the compartment securely.

2. **Main Unit (WD2200):** Open the battery compartment on the back of the main unit. Insert 4 x AA Mignon LR06 batteries, observing the correct polarity (+/-). Close the compartment securely.

Note: It is recommended to insert batteries into the outdoor sensor first, then into the main unit, to ensure

proper pairing.

5.2 Initial Power-On and Sensor Pairing

Upon inserting batteries into the main unit, the display will light up, and the unit will begin searching for the outdoor sensor. The outdoor temperature and humidity readings should appear on the main unit within a few minutes. If the outdoor data does not appear, refer to the Troubleshooting section.

5.3 App Connection (Direct Weather)

The WD2200 Weather Station connects to your smartphone via Bluetooth for enhanced data viewing and settings management through the 'Direct Weather' app.

1. Download the 'Direct Weather' app from the App Store (iOS) or Google Play Store (Android).
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the 'Direct Weather' app and follow the on-screen instructions to pair with your WD2200 Weather Station. The app will guide you through the connection process.

6. OPERATING THE WEATHER STATION

6.1 Reading the Display

The main unit's display provides a comprehensive overview of current and forecasted weather conditions:

- **Time and Date:** Automatically synchronized via the app or manually set.
- **Indoor Temperature and Humidity:** Measured by the main unit.
- **Outdoor Temperature and Humidity:** Received from the TX205DTH outdoor sensor.
- **Barometric Pressure:** Displays current atmospheric pressure.
- **Precipitation Probability:** Indicates the likelihood of rain or snow.
- **3-Day Forecast:** Provides weather icons and expected high/low temperatures for today and the next three days.

6.2 Using the Direct Weather App

The 'Direct Weather' app offers additional functionalities:

- **Detailed Data View:** Access historical data and more detailed graphs of temperature, humidity, and pressure.
- **Settings Configuration:** Adjust time, date, measurement units (°C/°F, hPa/inHg), and other preferences directly from your phone.
- **Alerts:** Set up custom alerts for specific temperature or humidity thresholds.

7. MAINTENANCE

7.1 Cleaning

Wipe the main unit and outdoor sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the surfaces or electronic components.

7.2 Battery Replacement

When the battery indicator appears on the display, replace the batteries in the respective unit (main station or outdoor sensor). Always replace all batteries in a unit at the same time with new ones of the same type.

7.3 Outdoor Sensor Placement

For accurate outdoor readings, place the TX205DTH sensor in a shaded area, protected from direct sunlight and precipitation. Ensure it is within the effective transmission range of the main unit (typically up to 30 meters, depending on obstacles).

8. TROUBLESHOOTING

- **No Display:** Check battery polarity and ensure batteries are fresh.
- **Outdoor Data Not Appearing:**
  - Ensure batteries in the outdoor sensor are correctly installed and fresh.
  - Relocate the outdoor sensor closer to the main unit.
  - Press the reset button on both the main unit and the outdoor sensor (if available) and allow them to re-pair.
- **Incorrect Readings:** Ensure both units are placed in appropriate locations (main unit indoors, sensor outdoors in a shaded, protected area). Allow some time for readings to stabilize after setup or relocation.
- **App Connectivity Issues:**
  - Ensure Bluetooth is enabled on your smartphone.
  - Restart the 'Direct Weather' app.
  - Try unpairing and re-pairing the device within the app's settings.

9. SPECIFICATIONS

Model Number	WD2200
Main Unit Dimensions (L x H x P)	129 x 118 x 29 mm
Outdoor Sensor Dimensions (L x H x P)	40 x 102 x 26 mm
Main Unit Power Supply	4 x AA Mignon LR06 batteries (not included)
Outdoor Sensor Power Supply	2 x AA Mignon LR06 batteries (not included)
Connectivity Technology	Bluetooth
Recommended Use	Home weather monitoring
Special Feature	Lightweight, App integration

10. WARRANTY AND SUPPORT

Techno Line products are designed for reliability and performance. For information regarding warranty terms and conditions, please refer to the documentation provided at the time of purchase or visit the official Techno Line website. For technical support or further assistance, please contact your retailer or the manufacturer's customer service department.