Ankilo WA181-AK

Ankilo Wireless Refrigerator Freezer Thermometer with Alarm

Model: WA181-AK / B0FXWPYRTQ

Introduction   Package Contents   Product Overview   Setup   Operating Instructions   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. INTRODUCTION

Welcome to your new Ankilo Wireless Refrigerator Freezer Thermometer. This device provides real-time temperature and humidity monitoring for your refrigerator and freezer, featuring an alarm function to protect your food from spoilage due to temperature fluctuations. Please read this manual carefully before use to ensure proper operation and longevity of your device.

2. PACKAGE CONTENTS

- 1 x Main Display Unit
- 2 x Wireless Remote Sensors
- 1 x USB Power Cable (for main unit)
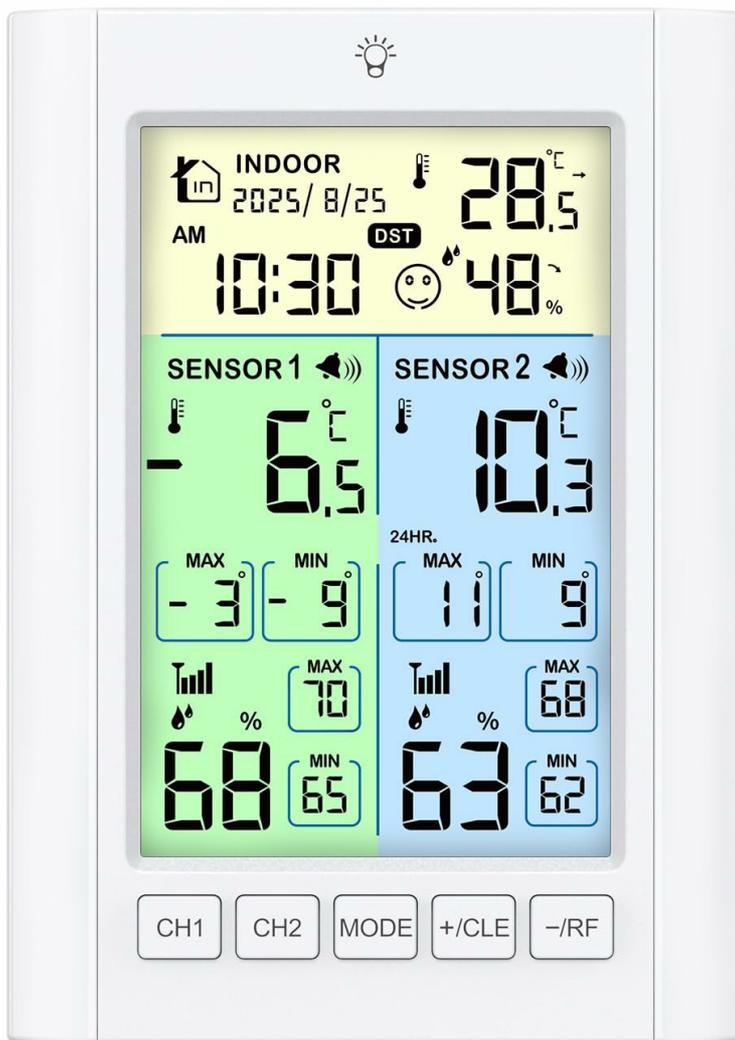- 1 x User Manual (this document)

Note: 3x AAA batteries for the main unit and 2x AA batteries for each sensor are not included and must be purchased separately.

3. PRODUCT OVERVIEW

3.1 Main Display Unit

The main unit serves as the central display for all temperature and humidity readings. It features a clear, color-coded screen that shows indoor conditions (temperature and humidity) and the readings from the two wireless remote sensors. Key information such as time, calendar, and MAX/MIN records are also displayed.

This image illustrates the main display unit with its various indicators: Calendar, Time, Indoor Temperature & Humidity, Sensor 1 Temperature, Sensor 2 Temperature, Max/Min Temperature, Max/Min Humidity, and control buttons (CH1, CH2, MODE, +/CLE, -/RF).

3.2 Wireless Remote Sensors

Two compact wireless sensors are included to monitor temperatures and humidity in your refrigerator and freezer. These sensors transmit data wirelessly to the main display unit, allowing you to monitor conditions without opening appliance doors.

TEMPERATURE ALARM

Adjustable alarm range:-40~-158℉(-40~70℃)

Tip: Press "-/RF" botton to view pre-set alarm temperatures

The image shows the compact wireless sensors positioned inside a refrigerator and a freezer, demonstrating their intended use for remote temperature monitoring.

4. SETUP

4.1 Powering the Main Unit

1. **Battery Mode:** Open the battery compartment on the back of the main unit and insert 3 AAA batteries (not included), observing the correct polarity. In battery mode, the backlight will automatically turn off after 10 seconds to conserve energy.

2. **USB Powered Mode:** Connect the provided USB cable to the power port on the main unit and plug the other end into a USB power adapter (not included) or a compatible USB port. In this mode, the backlight remains continuously on and offers 3 levels of brightness adjustment.

1 Battery Mode (not included)

Backlight on for 10S

2 DUAL POWER SUPPLY
Adapter Powered (USB included):

Backlight is always on & 3 level brightness adjustable

Button Backlight

This image demonstrates the two power options for the main unit: using 3 AAA batteries (backlight on for 10 seconds) or connecting via USB cable (backlight always on with 3 brightness levels).

4.2 Powering the Wireless Sensors

1. Open the battery compartment on each wireless sensor and insert 2 AA batteries (not included), observing the correct polarity.

4.3 Sensor Placement and Mounting

The main unit offers flexible mounting options to suit your needs:

- **Stand:** Use the built-in foldable stand for tabletop placement.
- **Magnet:** Utilize the magnetic cover on the back to attach the unit to metal surfaces, such as a refrigerator door.

- **Hang:** Use the hanging hole on the back for wall mounting.

EASY TO INSTALL

Stand

Magnet
(Magnetic sticker included)

Hang

Hang Hole

Battery Compartment

（3AAA battreies， not included）

Magnet cover

Sounding Hole

Power Port

Stand

The image displays the versatile installation methods for the main unit, including using its integrated stand, magnetic attachment to a refrigerator, or hanging it on a wall.

9.5cm(3.75in)

13.4cm(5.3in)

INDOOR
2025/ 8/25
AM
10:30 48%
28.5℃

SENSOR 1   SENSOR 2
6.5℃   10.3℃
MAX -3 MIN -9   11 9
68%   63%
70   68
65   62
CH1 CH2 MODE +/CLE -/RF

REMOTE SENSOR ①   REMOTE SENSOR ②

Outdoor temp range
-40℃-70℃ (-40℉-158℉)

Temp accuracy
±1℃ (±2℉)

Humidity accuracy
±5%RH

Refresh every 30 seconds

This detailed view of the back of the main unit highlights the battery compartment, magnetic cover, power port, sounding hole, and the foldable stand for easy setup.

Place the wireless sensors inside your refrigerator and freezer. Ensure they are not obstructed by large items or metal walls that might interfere with the wireless signal. The maximum transmission distance is approximately 100 meters (328 feet) in open areas, but this can be reduced by walls and other obstacles.

WIRELESS REMOTE SENSOR
Not Just For Fridge

Max transmission distance: 328FT/100M

This image depicts the wireless remote sensor's capability to transmit data from inside a refrigerator to the main display unit, highlighting a maximum transmission distance of 100 meters (328 feet).

5. OPERATING INSTRUCTIONS

5.1 Display Functions

The main unit displays current indoor temperature and humidity, along with the temperatures from Sensor 1 and Sensor 2. It also records and displays the maximum (MAX) and minimum (MIN) temperature and humidity values.

- To switch between 24-hour and "All Time" MAX/MIN records, briefly press the **+/CLE** button.

5.2 Setting Temperature Alarms

You can set individual high and low temperature alarms for both Sensor 1 (typically for the refrigerator) and

Sensor 2 (typically for the freezer) to alert you to critical temperature changes.

1. Press and hold the **MODE** button to enter alarm setting mode. The high alarm temperature for Sensor 1 will start flashing.
2. Use the **+/CLE** and **-/RF** buttons to adjust the desired high temperature limit.
3. Press **MODE** again to confirm the high limit and move to setting the low alarm temperature for Sensor 1. Adjust using **+/CLE** and **-/RF**.
4. Repeat the process for Sensor 2's high and low alarm temperatures.
5. Press **MODE** one last time to exit alarm setting mode.

When the temperature in either sensor exceeds or falls below its preset alarm range, the digital thermometer will activate an audible alarm for 2 minutes. This helps you address temperature issues promptly.
To view the currently pre-set alarm temperatures, briefly press the **-/RF** button.

This image illustrates the temperature alarm feature, showing an alarm bell icon on the display and indicating that the

alarm will sound for 2 minutes when triggered.

5.3 Backlight Control

- If the main unit is powered by batteries, the backlight automatically turns off after 10 seconds to conserve energy.
- If the main unit is powered via USB, the backlight remains continuously on. You can adjust its brightness to 3 different levels by pressing the backlight button (usually indicated by a light bulb icon).

6. MAINTENANCE

6.1 Battery Replacement

A low battery icon will appear on the screen when the batteries of the main unit or any of the sensors are running low. Replace them promptly to ensure continuous and accurate operation.

- **Main Unit:** Requires 3 x AAA batteries.
- **Each Sensor:** Requires 2 x AA batteries.

6.2 Cleaning

Wipe the main display unit and wireless sensors with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the devices in water, as this can cause damage.
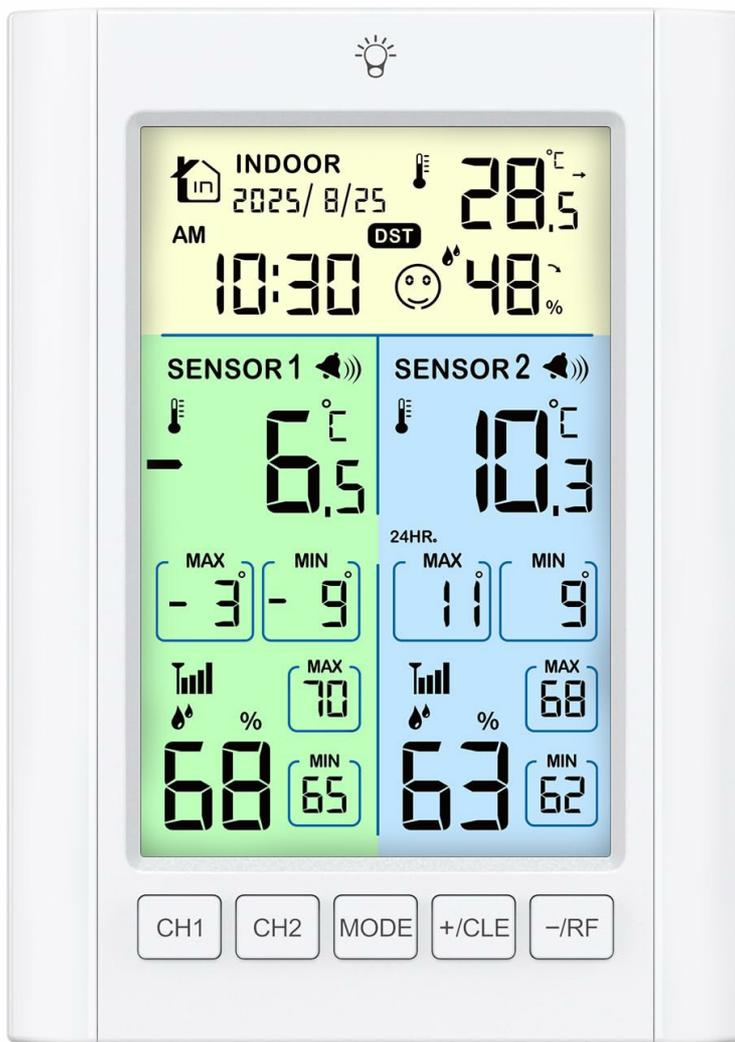
7. TROUBLESHOOTING

- **No display on main unit:** Check if the batteries are correctly installed and have sufficient charge. If using USB power, ensure the cable is securely connected and the power source is active.
- **Sensor not transmitting data or showing "--":** Ensure the sensors have fresh batteries. Check the distance between the sensor and the main unit; reduce obstructions like thick walls or large metal objects. Press the **-/RF** button on the main unit to manually search for sensors and re-establish connection.
- **Inaccurate readings:** Ensure sensors are placed correctly and not directly exposed to heat sources (e.g., oven vents) or extreme cold that might affect their internal components. Allow time for readings to stabilize after initial placement or battery change.
- **Alarm not sounding:** Verify that the high and low alarm settings are correctly configured for the desired sensors. Check battery levels, as low batteries can affect alarm functionality.

8. SPECIFICATIONS

- **Model Number:** WA181-AK / B0FXWPYRTQ
- **Outdoor Temperature Range (Sensors):** -40°C to 70°C (-40°F to 158°F)
- **Temperature Accuracy:** ±1°C (±2°F)
- **Humidity Accuracy:** ±5% RH
- **Refresh Rate:** Every 30 seconds
- **Wireless Transmission Distance:** Up to 100 meters (328 feet) in open air (may vary with obstructions)
- **Main Unit Power:** 3 x AAA batteries (not included) or USB cable (included)
- **Sensor Power:** 2 x AA batteries per sensor (not included)
- **Special Features:** Temperature Alarm, MAX/MIN Record, Backlight (adjustable with USB power), Dual Power Supply, Flexible Mounting Options

This image provides a visual summary of the device's capabilities, including temperature and humidity ranges, accuracy, and refresh rate.

9. Warranty and Support

For warranty information, technical support, or any inquiries regarding your Ankilo Wireless Refrigerator Freezer Thermometer, please refer to the contact details provided with your purchase documentation or visit the official Ankilo website. Our customer service team is available to assist you with any questions or issues you may encounter.