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Marathon BA030021

Marathon BA030021 Atomic Weather Station Instruction Manual

Model: BA030021

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Marathon BA030021 Atomic Weather Station. Please read this manual thoroughly before using the device to ensure proper function and longevity. Keep this manual for future reference.

PACKAGE CONTENTS

Before proceeding with the setup, please verify that all components are included in your package:

- Marathon BA030021 Main Unit (Weather Station)
- Wireless Outdoor Sensor
- AC Power Adapter
- 3 x AAA Batteries (for main unit)
- User Manual (this document)

PRODUCT OVERVIEW

The Marathon BA030021 Atomic Weather Station features a clear color display and a wireless outdoor sensor to provide accurate weather information. Below are key features and diagrams of the unit.



Figure 1: Weather Station in Use

This image shows the Marathon BA030021 Weather Station displaying its color screen with weather forecast icons, indoor/outdoor temperature and humidity, and the current time and date. The unit is shown in a typical home environment, demonstrating its compact design and clear display.

FEATURES

1. Indoor & Outdoor Temperature
2. Indoor & Outdoor Humidity
3. Weather Forecast
4. 24 Hours Min/Max Temperature Record
5. 24 Hours Min/Max Humidity Record
6. Self Setting, Self Adjusting Time
7. Date Display
8. Comfort Indicator Scale



Figure 2: Front Panel Features

1. Indoor & Outdoor Temperature Display
2. Indoor & Outdoor Humidity Display
3. Weather Forecast Icons
4. 24 Hours Min/Max Temperature Record
5. 24 Hours Min/Max Humidity Record
6. Self Setting, Self Adjusting Time
7. Date Display
8. Comfort Indicator Scale

This image displays the front of the Marathon BA030021 Atomic Weather Station, highlighting its key features with numbered callouts. The color display shows outdoor and indoor temperature and humidity, weather forecast icons (sun, clouds), current time, date, and a comfort indicator. Buttons for 'MODE/SET', 'WEATHER', '°C/°F', and 'ON/OFF' are visible at the bottom.

SELF SETTING, SELF ADJUSTING



Figure 3: Back Panel Overview

The back panel of the weather station includes labeled buttons for 'TEMP MEMORY', 'SENSOR SEARCH', and 'TEMP ALERT'. It also features an AC adapter port, a battery compartment, and a foldable stand. An alarm with snooze function is also indicated.

COMPACT DESIGN

3.6 inches
9.3 cm



5.9 inches
15 cm

Figure 4: Compact Design and Dimensions

This image illustrates the compact design of the Marathon BA030021 Weather Station, showing its approximate dimensions: 3.6 inches (9.3 cm) in height and 5.9 inches (15 cm) in width. This highlights its suitability for various home environments.

SETUP

1. Powering the Main Unit

1. Open the battery compartment cover on the back of the main unit.
2. Insert the 3 AAA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.
4. For continuous power, connect the supplied AC power adapter to the DC IN port on the back of the main unit and plug it into a standard wall outlet.

2. Powering the Wireless Outdoor Sensor

- Open the battery compartment of the outdoor sensor.
- Insert 2 AAA batteries (not included), observing the correct polarity (+/-).
- Close the battery compartment cover.

3. Initial Synchronization

Upon powering on both the main unit and the outdoor sensor, the main unit will automatically attempt to connect with the outdoor sensor and synchronize with the atomic clock signal. This process may take a few minutes. Ensure the sensor is within range of the main unit.

- If the outdoor temperature/humidity does not display after a few minutes, press the "SENSOR SEARCH" button on the back of the main unit to manually initiate a search.
- The atomic clock signal icon will flash during synchronization and become solid once successfully received.

4. Sensor Placement

For accurate readings, place the wireless outdoor sensor in a shaded area, protected from direct sunlight and precipitation. Avoid placing it near large metal objects or electronic devices that could interfere with the wireless signal. The maximum transmission range is approximately 30 meters (100 feet) in open air.

OPERATING INSTRUCTIONS

1. Time and Date Display

The weather station automatically synchronizes with the atomic clock signal for precise timekeeping. No manual adjustment is typically required. The display shows the current time and date.

- To switch between 12-hour and 24-hour format, press the "MODE/SET" button.

2. Temperature and Humidity Display

The main unit displays both indoor and outdoor temperature and humidity readings.

- Press the " $^{\circ}\text{C}/^{\circ}\text{F}$ " button to toggle between Celsius and Fahrenheit temperature units.
- To view the 24-hour minimum and maximum temperature/humidity records, press the "TEMP MEMORY" button. Press again to cycle through Min/Max values.

3. Weather Forecast

The weather station provides a forecast for the next 12-24 hours based on changes in atmospheric pressure. The forecast is indicated by graphical icons:

- **Sunny:** Clear skies expected.
- **Partly Cloudy:** Mix of sun and clouds.
- **Cloudy:** Overcast conditions.
- **Rainy:** Precipitation expected.
- **Snowy:** Snowfall expected (if temperature is low enough).

The forecast is an estimation and may not always reflect actual weather conditions.

4. Comfort Indicator

The comfort indicator scale provides a visual representation of indoor comfort levels based on temperature and humidity. It typically displays "COLD", "COMFORT", or "HOT".

5. Alarm Function

The unit includes an alarm with a snooze function. Refer to the detailed instructions in the full manual for setting and disabling the alarm.

MAINTENANCE

- Cleaning:** Wipe the unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Battery Replacement:** Replace batteries in both the main unit and outdoor sensor when the low battery indicator appears on the display. Ensure correct polarity.
- Storage:** If storing the unit for an extended period, remove all batteries to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit	Batteries are dead or incorrectly inserted; AC adapter not connected or faulty.	Check battery polarity and replace if necessary. Ensure AC adapter is securely connected and functional.
No outdoor temperature/humidity reading	Outdoor sensor batteries are dead; sensor out of range; interference; sensor not paired.	Replace sensor batteries. Move sensor closer to the main unit. Avoid sources of interference. Press "SENSOR SEARCH" button on main unit.
Incorrect time display	Atomic clock signal not received.	Ensure the unit is placed in an area where it can receive the atomic signal (e.g., near a window). Allow time for synchronization.
Inaccurate weather forecast	Weather forecast is an estimation based on pressure changes.	This is normal. The forecast is a general guide and not a real-time prediction.

SPECIFICATIONS

Feature	Detail
Model Number	BA030021-EU1
Manufacturer	Marathon
Display Type	Color Display
Power Source (Main Unit)	AC Adapter, 3 x AAA Batteries (included)
Power Source (Outdoor Sensor)	2 x AAA Batteries (not included)
Connectivity Technology	Wireless (Sensor), USB (for power adapter, if applicable)
Special Features	Atomic Clock, Wireless Sensor, Alarm, Foldable Stand, Weather Forecast, Min/Max Records, Comfort Indicator
Temperature Accuracy	±1 °C
Dimensions (Main Unit)	Approx. 21.9 x 12.3 x 7.7 cm (8.6 x 4.8 x 3.0 inches)
Weight	Approx. 740 grams (1.63 lbs)

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Marathon website. Information regarding spare parts availability is not provided in the product specifications.

You can find more information at www.MarathonWatch.com.