

Trevi ME 3P70 RC

Trevi ME 3P70 RC Digital Weather Station

User Manual

1. INTRODUCTION

Thank you for choosing the Trevi ME 3P70 RC Digital Weather Station. This device is designed to provide you with comprehensive weather information, including indoor and outdoor temperature and humidity, barometric pressure, and weather forecasts. It also features a radio-controlled clock, moon phase display, and an alarm function. Please read this manual carefully before operating the device to ensure proper use and to maximize its lifespan.

2. SAFETY INFORMATION

- Do not expose the main unit or outdoor sensor to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep the device away from strong magnetic fields.
- Use only the specified power adapter and batteries.
- Dispose of used batteries responsibly according to local regulations.

3. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Trevi ME 3P70 RC Main Weather Station Unit
- Wireless Outdoor Sensor
- Power Adapter for Main Unit
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Main Unit



Figure 1: Front view of the Trevi ME 3P70 RC Digital Weather Station.

The main unit features a large LCD color display for clear and intuitive viewing of all information. It includes touch controls on the front for easy operation.

- **LCD Color Display:** Shows time, date, indoor/outdoor temperature and humidity, barometric pressure, weather forecast, and moon phase.
- **Touch Controls:** Located on the front panel for setting time, alarms, and other functions.
- **USB Charging Port:** Allows charging of external devices like smartphones or tablets.
- **Battery Compartment:** For backup power using 3 x AAA batteries (not included).
- **DC Power Input:** For continuous operation using the included power adapter.



Figure 2: Back view of the main unit with battery compartment and foldable stand.



Figure 3: Side view of the main unit, highlighting the USB port and power input.

4.2 Wireless Outdoor Sensor



Figure 4: Wireless Outdoor Sensor.

The outdoor sensor transmits temperature and humidity data wirelessly to the main unit. It is powered by 2 x AAA batteries (not included).

5. SETUP

5.1 Powering the Outdoor Sensor

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

5.2 Powering the Main Unit

The main unit can be powered by either batteries or the included power adapter.

Using Batteries (Backup Power)

1. Open the battery compartment cover on the back of the main unit.
2. Insert 3 x AAA batteries (not included), observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

Note: When powered by batteries only, the display backlight may be limited to conserve power.

Using the Power Adapter (Continuous Operation)

1. Connect the power adapter to the DC input port on the side of the main unit.
2. Plug the power adapter into a standard wall outlet.

Note: For continuous display backlight and full functionality, it is recommended to use the power adapter.

5.3 Initial Setup and Sensor Synchronization

Once both units are powered, the main unit will automatically search for the outdoor sensor and attempt to receive the radio-controlled time signal (RC). This process may take a few minutes.

- Place the outdoor sensor and main unit close to each other during initial setup.
- The outdoor temperature and humidity should appear on the main unit's display once synchronized.
- The clock will attempt to synchronize with the atomic clock signal. An antenna icon will indicate signal reception.

5.4 Placement of the Outdoor Sensor

For accurate readings, place the outdoor sensor in a sheltered location, away from direct sunlight and precipitation. Ensure it is within the wireless range of the main unit (typically up to 30 meters in open air, less with obstacles).

6. OPERATING INSTRUCTIONS

6.1 Display Overview

The large color display is divided into several sections:

- **Top Left:** Outdoor Temperature and Humidity.
- **Top Center:** Weather Forecast Icons and Barometric Pressure with Trend Graph.
- **Top Right:** Indoor Temperature and Humidity.
- **Bottom Left:** Time and Alarm Status.
- **Bottom Center:** Moon Phase Display.
- **Bottom Right:** Date and Day of the Week.

6.2 Setting Time and Date (Manual Adjustment)

While the unit attempts to set the time automatically via the radio-controlled signal, you can also set it manually if needed.

1. Press and hold the "SET" button (usually indicated by a gear icon) to enter time setting mode.
2. Use the "UP" and "DOWN" buttons (arrow icons) to adjust the flashing value.
3. Press "SET" again to confirm the setting and move to the next parameter (e.g., 12/24 hour format, hour, minute, year, month, day, language).
4. Exit setting mode by pressing "SET" repeatedly until the normal display resumes, or wait for automatic exit.

6.3 Temperature and Humidity Display

- The main unit displays both indoor and outdoor temperature and humidity.
- To switch between Celsius (°C) and Fahrenheit (°F), press the "°C/°F" button (if available, or check the "SET" menu).
- The unit automatically stores and displays minimum and maximum recorded temperatures and humidity. Press the "MEM" button to cycle through current, max, and min values.

6.4 Barometer and Pressure Trend

The weather station features a digital barometer displaying atmospheric pressure in hPa. A graph indicates the pressure trend over the last 12-24 hours, helping to predict weather changes.

6.5 Weather Forecast

The display shows weather forecast icons (e.g., sunny, cloudy, rainy) based on barometric pressure changes. This is a prediction and may not always be 100% accurate.

6.6 Moon Phase Display

The moon phase icon changes automatically based on the set date, providing a visual representation of the current lunar phase.

6.7 Alarm Functions

The weather station includes alarm functions. Refer to the specific icons on the display for Alarm 1 (AL1) and Alarm 2 (AL2).

1. Press the "ALARM" button (bell icon) to view alarm times.
2. Press and hold "ALARM" to enter alarm setting mode.
3. Use "UP" and "DOWN" to adjust the alarm hour and minute.
4. Press "ALARM" to confirm and move to the next alarm or exit.
5. To activate/deactivate an alarm, press the "ALARM" button briefly when not in setting mode.
6. When an alarm sounds, press any button (except "SNOOZE" if available) to stop it. Press "SNOOZE" to activate the snooze function.

6.8 USB Charging Port

The USB port on the side of the main unit can be used to charge small electronic devices. Connect your device's USB charging cable to this port. Ensure the weather station is powered by the AC adapter for stable charging.

6.9 Backlight Adjustment

When powered by the AC adapter, the display backlight can be adjusted for brightness. Look for a dedicated "LIGHT" or "DIMMER" button, or check the settings menu for backlight options.

7. MAINTENANCE

- **Cleaning:** Wipe the unit 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.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	No power or low batteries.	Check power adapter connection or replace batteries in the main unit.

Problem	Possible Cause	Solution
Outdoor temperature/humidity not displayed.	Sensor out of range, low sensor batteries, or interference.	Move sensor closer to main unit. Replace sensor batteries. Avoid placing near electronic devices that may cause interference. Re-synchronize if necessary (refer to manual for specific re-sync steps if available, usually involves removing/reinserting batteries).
Time not setting automatically (RC).	Weak signal, interference, or incorrect time zone setting.	Place unit near a window. Avoid electronic devices. Manually set time if signal is consistently poor. Ensure correct time zone is selected in settings.
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight, heat sources, or moisture.	Relocate outdoor sensor to a sheltered, shaded area. Ensure proper ventilation around both units.
USB charging not working.	Main unit not powered by AC adapter, or device not compatible.	Ensure main unit is plugged into the wall outlet. Check if the device requires more power than the USB port provides.

9. SPECIFICATIONS

Feature	Detail
Model Number	ME 3P70 RC
Display Type	LCD Color Display
Main Unit Power	3 x AAA batteries (not included) or AC Power Adapter (included)
Outdoor Sensor Power	2 x AAA batteries (not included)
Temperature Units	Celsius (°C) / Fahrenheit (°F)
Barometer Units	hPa
Special Features	Radio-controlled clock, Moon phase display, Alarm, USB charging port, Min/Max temperature/humidity memory
Connectivity Technology	USB (for charging external devices)
Material	Plastic
Dimensions (Main Unit)	Approx. 21.1 x 14.1 x 7.7 cm (Packaging dimensions)
Weight	Approx. 540 grams (Packaging weight)

10. WARRANTY AND SUPPORT

For further assistance, please contact Trevi customer service.

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