Irfora FJ3383M

Irfora FJ3383M Smart Weather Station User Manual

Model: FJ3383M

1. INTRODUCTION

Thank you for choosing the Irfora FJ3383M Smart Weather Station. This device provides comprehensive indoor and outdoor environmental data, including temperature, humidity, atmospheric pressure, and weather forecasts. It also features a clock with alarm functions, moon phase display, and sunrise/sunset times. This manual will guide you through the setup, operation, and maintenance of your weather station.

Image 1: Irfora FJ3383M Smart Weather Station with its wireless outdoor sensor.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Weather Station Unit
- 1 x Wireless Outdoor Sensor
- 1 x USB Power Cable (1.5m)
- 1 x User Manual (English, German, French, Italian, Spanish)

3. PRODUCT FEATURES

- **Large Color Display:** Elegant design with a large color screen displaying time, calendar, week, comfort index, atmospheric pressure, tide, moon phase, indoor/outdoor temperature and humidity, weather forecast, trend prediction, and local sunrise/sunset times.

Image 2: The weather station's display showing multiple functions simultaneously.

- **Wireless Outdoor Sensor:** Supports wall mounting or table stand. Features RF 433.92MHz transmission frequency with a range of up to 60 meters in open areas. The sensor is IPX4 waterproof. Up to 3 wireless outdoor sensors can be connected (one sensor is included).

Image 3: The indoor weather station receiving data from the wireless outdoor sensor.

- **Switchable Formats:** Temperature display in Celsius (°C) or Fahrenheit (°F). Pressure display in inHg or hPa/mb. Time display in 12-hour or 24-hour format with two alarms.

- **Adjustable Backlight:** Backlight with 4 brightness levels and a night mode. The backlight can remain continuously on when powered by the USB cable. Includes a snooze function (off or 5-60 minutes).

- **Temperature and Frost Alarm:** Suitable for various environments. A temperature and frost alarm can be set. The weather station will emit an alarm when the outdoor temperature falls below the preset value.

- **Perpetual Calendar:** Displays calendar information up to the year 2099.

- **Multi-language Day Display:** Weekdays available in 8 languages: English, French, Italian, Spanish, Dutch, Danish, Polish, German.

4. SETUP

4.1 Powering the Weather Station

1. **Main Unit:** Insert 2 x LR6 AA batteries (not included) into the battery compartment. For continuous backlight and optimal performance, connect the included USB power cable to the DC 5V 600mA input port and plug it into a compatible USB power adapter (not included).

2. **Wireless Sensor:** Insert 2 x LR6 AA batteries (not included) into the battery compartment of the outdoor

sensor.

Battery and USB power supply

Dual power supply, more stable / USB power supply, universal

Using the battery as a backup power source, the USB power supply can be
disconnected when leaving the house, and the weather station can still work normally

DC 5V

Only USB power cord is included in the package, no adapter included
Only when the power supply is working can the backlight be turned on continuously

Image 4: Rear view of the weather station showing battery compartment and USB power input.

4.2 Sensor Placement

Place the wireless outdoor sensor in a location that provides accurate readings and is protected from direct sunlight and heavy precipitation. Ensure it is within the 60-meter transmission range of the main unit.

Image 5: Examples of suitable locations for the wireless outdoor sensor.
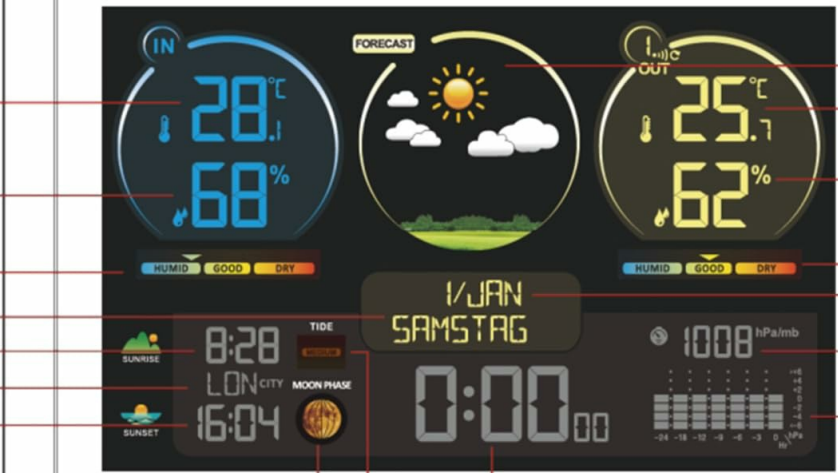
4.3 Initial Synchronization

After powering both units, the weather station will automatically attempt to connect with the outdoor sensor. This may take a few minutes. Ensure both units are within range.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

The weather station's display provides various information. Refer to the diagram below for a detailed breakdown of each display area.

Functional description

A1: Indoor Temperature
A2: Indoor Humidity
A3: Indoor comfort indicator
A4: Time
A5: Month and date
A6: WEEK
A7: Weather forecast
A8: Outdoor Temperature
A9: Atmospheric pressure

A10: Outdoor Humidity
A11: Histogram of historical pressure
A12: Outdoor comfort level
A13: Sunrise time
A14: Moon phase
A15: Local city
A16: Tide level
A17: Sunset time

Image 6: Functional description of the weather station display.

5.2 Setting Time and Date

Consult the included user manual for specific button functions to set the time, date, and calendar. The perpetual calendar supports dates up to 2099.

5.3 Unit Selection

You can switch between Celsius (°C) and Fahrenheit (°F) for temperature, inHg and hPa/mb for atmospheric pressure, and 12-hour or 24-hour format for time. Refer to the user manual for button instructions.

5.4 Alarm and Snooze Function

The weather station features two alarms. Set the alarm times as per the manual. When an alarm sounds, press the snooze button to temporarily silence it for 5 to 60 minutes, or press any other button to stop the alarm.

5.5 Backlight Adjustment

When powered by the USB cable, the backlight can be set to 4 different brightness levels or a night mode. The backlight remains continuously on in USB power mode. When operating on batteries only, the

backlight will typically illuminate briefly after a button press to conserve power.

5.6 Sunrise and Sunset Times

The device can display local sunrise and sunset times. After receiving the product, you can set this feature according to a city code provided in the instruction manual. If a city code is not used, you can manually set the sunrise and sunset times.

Image 7: Display section for sunrise and sunset times, including city selection.

6. SPECIFICATIONS

Indoor Temperature Range	-9.9 ℃ to 50 ℃ (15 ℉ to 122 ℉)
Outdoor Temperature Range	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Humidity Range (Indoor & Outdoor)	20% RH to 95% RH
Atmospheric Pressure Range	600 hPa/mb to 1100 hPa/mb (17.72 inHg to 32.50 inHg)

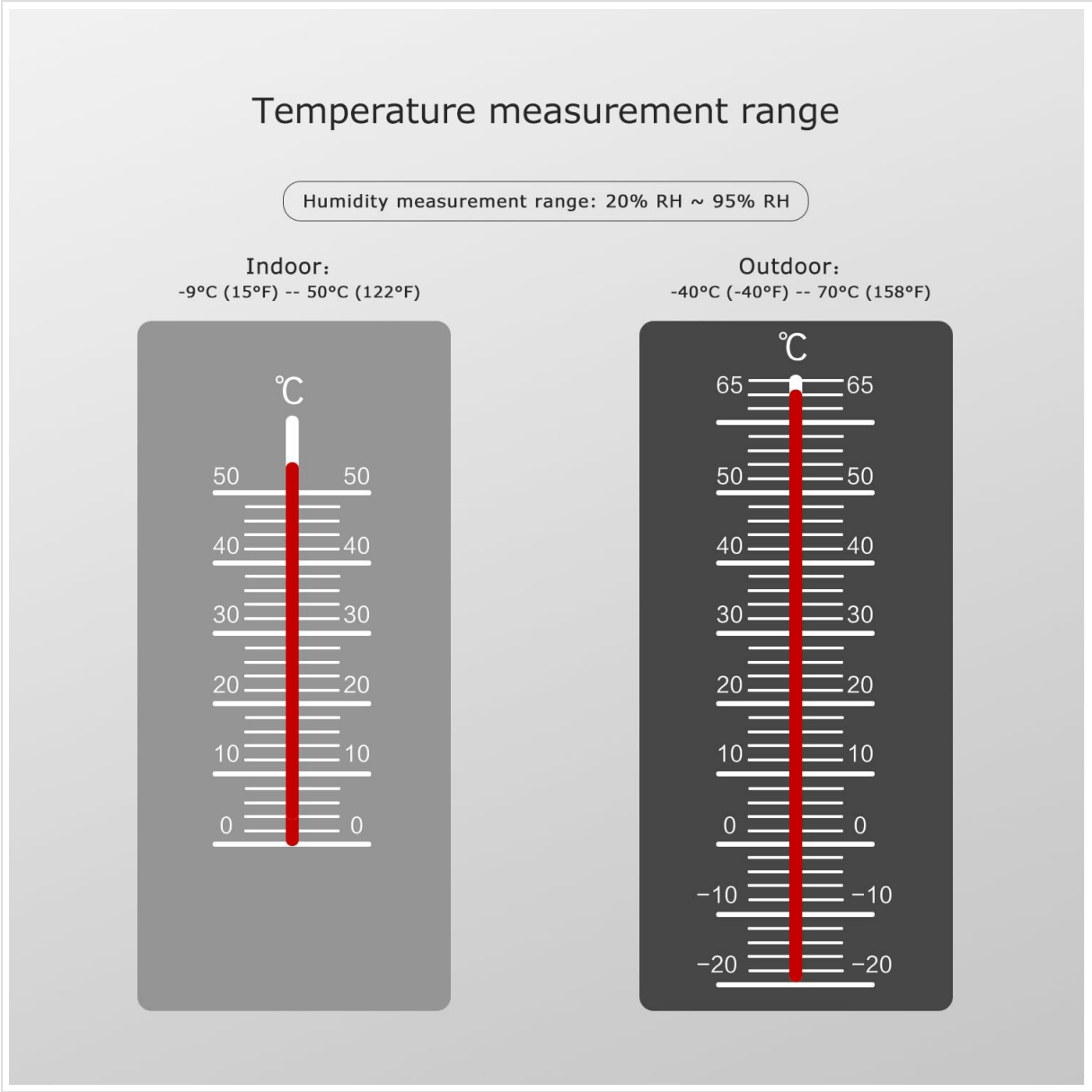|	
Wireless Sensor Transmission Frequency	433.92 MHz
Wireless Sensor Transmission Range	Up to 60 meters (open area)
Wireless Sensor Water Resistance	IPX4
Main Unit Power Supply	2 x LR6 AA batteries (not included) or DC 5V 600mA via USB cable
Outdoor Sensor Power Supply	2 x LR6 AA batteries (not included)
USB Cable Length	1.5 meters
Material	ABS
Item Dimensions (L x W x H)	16.1 x 11.5 x 3.2 cm (6.34 x 4.53 x 1.26 inches)
Item Weight	214 g
Model Number	TYHDEE25157

Image 8: Visual representation of the indoor and outdoor temperature measurement ranges.

7. Maintenance

To ensure the longevity and accuracy of your weather station:

- Clean the display and casing with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Replace batteries in both the main unit and the outdoor sensor when the low battery indicator appears on the display.
- Ensure the outdoor sensor's battery compartment is securely closed to maintain its IPX4 water resistance.
- Avoid exposing the main unit to extreme temperatures, direct sunlight, or high humidity.

8. Troubleshooting

- **No Outdoor Temperature/Humidity Reading:**

  - Check if the outdoor sensor batteries are correctly installed and not depleted.
  - Ensure the outdoor sensor is within the transmission range of the main unit.
  - Try re-synchronizing the sensor by removing and reinserting batteries in both units, then placing them close together during power-up.

- **Incorrect Time/Date:**

  - Manually set the time and date using the instructions in the full user manual.
  - Verify the 12/24-hour format setting.

- **Display Issues:**

  - If the display is dim or flickering, check the main unit's batteries or ensure the USB power cable is properly connected.
  - Adjust the backlight brightness settings.

- **Temperature/Frost Alarm Not Working:**

  - Ensure the alarm function is enabled and the threshold temperature is correctly set.

9. Warranty and Support

Warranty information for the Irfora FJ3383M Smart Weather Station is not explicitly provided in the product details. For specific warranty terms or technical support, please contact the manufacturer, Irfora, or your point of purchase.

Regarding spare parts, information on their availability is currently not provided.

Note: The product supports up to three outdoor sensors simultaneously. One sensor is included by default. If additional sensors are required, please contact customer service for ordering under SPU: E23975.