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## ROUJO XY-M02-BG

# ROUJO Smart Wireless Meat Thermometer User Manual

Model: XY-M02-BG

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## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ROUJO Smart Wireless Meat Thermometer. Designed for precision cooking, this device features dual probes with dual sensors, offering both Bluetooth and WiFi connectivity for remote monitoring of your food's internal temperature and the ambient cooking environment. Please read this manual thoroughly before use to ensure optimal performance and longevity of your thermometer.

## 2. WHAT'S INCLUDED

Upon unboxing, please verify that all components are present:

- 1 × Repeater (Main Unit)
- 2 × Probes
- 1 × User Manual (This Document)
- 1 × Charger (USB Type-C cable)

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**Video 2.1: Unboxing the ROUJO Smart Wireless Meat Thermometer.** This video demonstrates the unboxing process, revealing the main unit, two probes, and the charging cable. This provides a visual guide to the contents of the package.

## 3. KEY FEATURES

- **Dual-Probe Duo-Sensor Precision:** Each of the two stainless steel probes features two independent sensors, meticulously tracking both the core meat temperature and the ambient oven/grill heat simultaneously for unparalleled cooking accuracy.
- **2.4G WiFi & Bluetooth Dual Connectivity:** Enjoy the ultimate flexibility. Use Bluetooth for quick setup and close-range monitoring, or connect to WiFi for true unlimited-range remote monitoring from

anywhere, directly through the app.

- **360-Foot Bluetooth Freedom:** Experience a robust 200-foot Bluetooth range, giving you the freedom to move around your home and backyard without losing a stable connection to your grill or smoker.
- **IP67 Total Protection & Dishwasher Safe:** With a superior IP67 rating, our probes are completely dust-tight and can withstand immersion in water. For effortless cleanup, they are fully dishwasher safe.
- **Massive 2000mAh Battery & Smart Alerts:** The long-lasting 2000mAh battery ensures extended cooking sessions. Customize your own temperature and time alerts via the app for perfectly timed results, every time.



**Figure 3.1: Dual-Sensor Probe.** This image illustrates a single probe inserted into a steak, highlighting its two distinct sensors: one for internal meat temperature and another for ambient cooking temperature.

# 360 ft Wireless Range

Simplify cooking, frees you from cooking



Figure 3.2: **Wireless Monitoring.** This image depicts the main thermometer unit with probes and a smartphone displaying the companion app, demonstrating the wireless monitoring capability for cooking.

## 4. SETUP GUIDE

### 4.1 Initial Charging

Before first use, ensure both the repeater (main unit) and the probes are fully charged.

1. Connect the provided USB Type-C cable to the repeater and a suitable power source.
2. Place the probes into their designated slots in the repeater.
3. The repeater charging time is approximately 3-4 hours. Probes charge within 20 minutes when placed in a charged repeater.

# USB Type-C Port Charging



Repeater Charging Time: 3~4 hours



Probe Charging Time: 20 Minutes



Probe Using time of Full Power: 24hours



USB Type-C



**Figure 4.1: USB Type-C Charging.** This image illustrates the main unit being charged via its USB Type-C port, with the probes also charging within the unit. Charging durations are specified.

## 4.2 App Download and Installation

The ROUJO Smart Wireless Meat Thermometer operates with a dedicated mobile application.

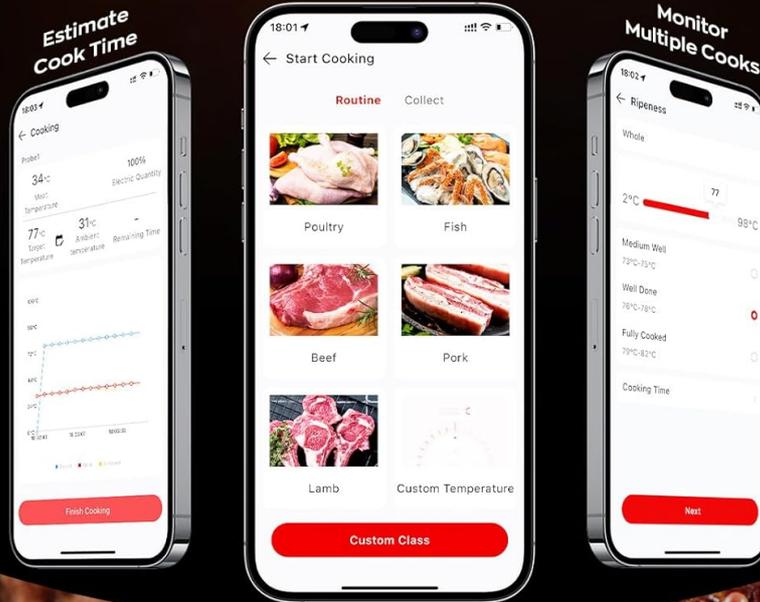
1. Scan the QR code located on the repeater or in the quick start guide to download the official app.
2. Alternatively, search for the "ROUJO" app in your device's app store (iOS App Store or Google Play Store).
3. Install the app and follow the on-screen instructions to create an account or log in.

# MEET THE APP

Simplify your cooking, the first step to the chef  
Monitor cooks on phone and get an alert when the food is ready!



## Receive Alerts



**Figure 4.2: Companion App Interface.** This image displays the ROUJO app on a smartphone, showing various cooking presets and monitoring options. It highlights the app's role in controlling and monitoring the thermometer.

## 4.3 Connecting to the App (Bluetooth & WiFi)

The thermometer offers both Bluetooth and WiFi connectivity for flexible monitoring.

1. Ensure Bluetooth is enabled on your smartphone.
2. Open the ROUJO app. The app will automatically search for and connect to the repeater via Bluetooth.
3. For extended range, follow the in-app instructions to connect the repeater to your 2.4G WiFi network. This allows remote monitoring from anywhere with internet access.
4. Once connected, the app will display the status of both probes.



**Figure 4.3: Connectivity Diagram.** This diagram illustrates the dual connectivity options (Bluetooth and Wi-Fi) between the probes, the main unit, and the mobile application, highlighting their respective ranges.

## 5. OPERATING INSTRUCTIONS

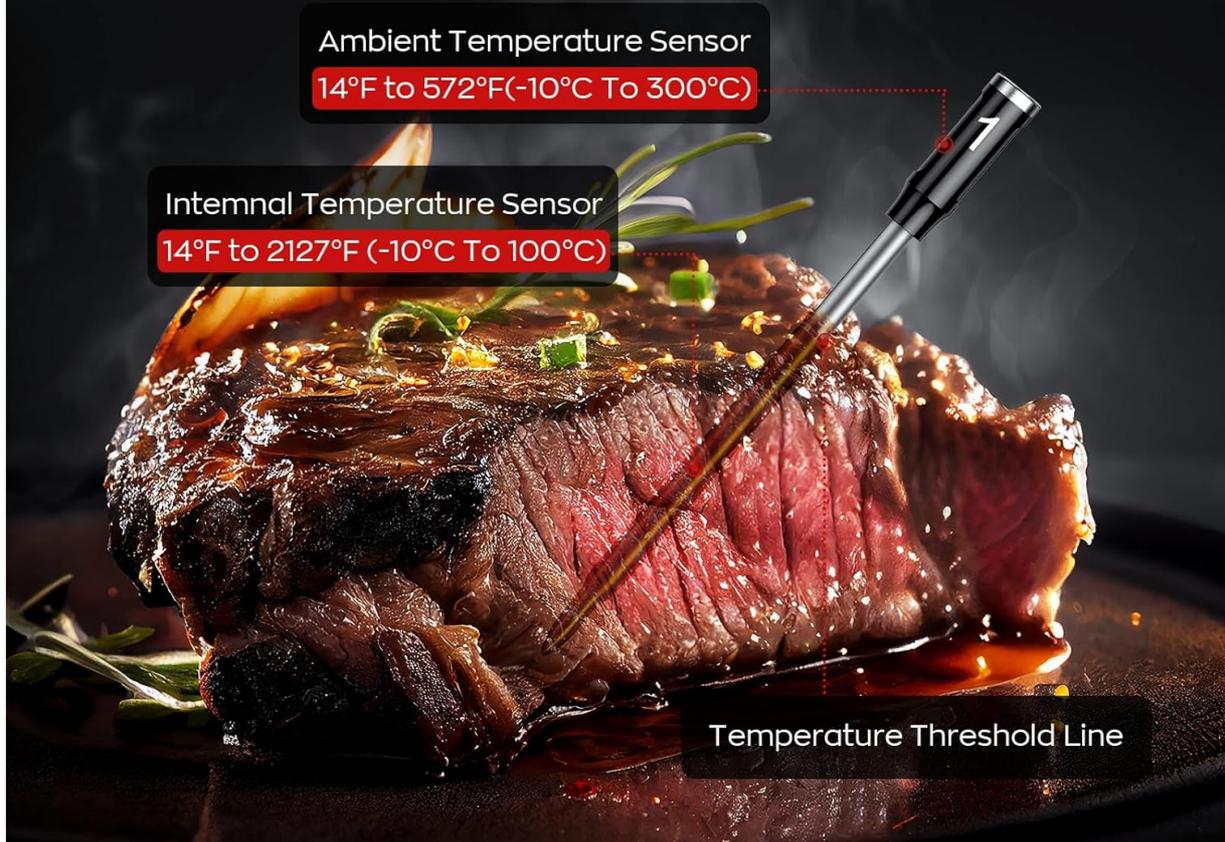
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### 5.1 Inserting the Probes

1. Carefully remove the probes from the repeater.
2. Insert the probe into the thickest part of the meat, avoiding bones. Ensure the probe is inserted past the temperature threshold line to accurately measure internal meat temperature. The ceramic part of the probe should be exposed to the ambient cooking environment.
3. For dual-sensor accuracy, ensure both the internal and ambient sensors are correctly positioned.

# 1 PROBE, 2 SENSORS

Applicable to the high temperatures when use in an oven



**Figure 5.1: Proper Probe Insertion.** This image demonstrates the correct way to insert a probe into meat, ensuring both the internal and ambient temperature sensors are positioned for accurate readings.

## 5.2 Monitoring Temperatures

1. Once probes are inserted, the repeater's display will show real-time meat and ambient temperatures for both probes.
2. Open the ROUWO app on your smartphone to view detailed temperature graphs, set target temperatures, and receive alerts.
3. The app provides preset cooking options for various meats and doneness levels, or you can customize your own.

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**Video 5.2: Real-time Temperature Monitoring.** This video demonstrates the thermometer in use, showing two probes inserted into meat cooking in a pan. The main unit's display updates with real-time temperatures, illustrating how to monitor cooking progress.

## 5.3 Setting Smart Alerts

Customize alerts to achieve perfect cooking results:

- In the app, select the desired meat type and doneness, or manually set a target internal temperature.

- Set time-based alerts if needed for specific cooking stages.
- The app will send notifications to your smartphone when the target temperature is reached or if other custom conditions are met.

## 6. MAINTENANCE

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### 6.1 Cleaning the Probes

The probes are IP67 rated and dishwasher safe for easy cleaning.

1. After each use, allow probes to cool down.
2. Wash probes by hand with soap and water or place them in the dishwasher.
3. Ensure probes are completely dry before storing them back in the repeater.

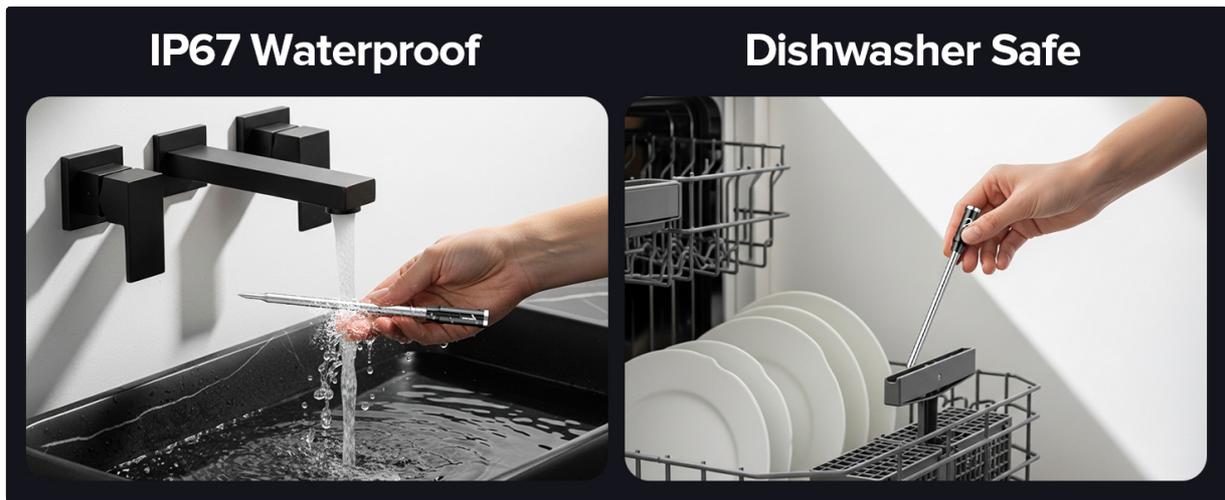


**Figure 6.1: Probe Cleaning.** This image demonstrates the IP67 waterproof rating of the probes, showing them being rinsed under water and placed in a dishwasher for cleaning.

### 6.2 Repeater Care

- Wipe the repeater with a damp cloth. Do not submerge the repeater in water.
- Store the repeater and probes in a cool, dry place when not in use. The repeater has built-in magnets

for convenient storage on metallic surfaces, or it can be used with its tabletop stand.



**Figure 6.2: Repeater Storage Options.** This image illustrates the versatile storage options for the main unit, including its magnetic attachment capability to a refrigerator and its use with a tabletop stand.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No temperature reading / Inaccurate reading	Probe not fully inserted; Probe damaged; Battery low.	Ensure probe is inserted past the threshold line. Check for visible damage to the probe. Charge the repeater and probes.
App not connecting to repeater	Bluetooth/WiFi off; Repeater out of range; App not updated.	Ensure Bluetooth is on and repeater is within range (200ft for Bluetooth, unlimited for WiFi). Check WiFi connection. Update the app to the latest version.
Repeater display is dim or off	Low battery; Backlight off.	Charge the repeater. Press the light button on the repeater to activate the backlight.
Probes not charging	Repeater not charged; Probes not seated correctly.	Ensure the repeater is charged and connected to power. Re-seat probes firmly in their slots.

## 8. SPECIFICATIONS

- **Model Number:** XY-M02-BG
- **Connectivity:** 2.4G WiFi & Bluetooth
- **Bluetooth Range:** Up to 200 feet (60 meters)
- **Number of Probes:** 2
- **Probe Sensors:** Dual sensors per probe (Internal Meat & Ambient)
- **Internal Meat Temperature Range:** 14°F to 212°F (-10°C to 100°C)
- **Ambient Temperature Range:** 14°F to 572°F (-10°C to 300°C)
- **Temperature Accuracy:** ±1°F/°C
- **Response Time:** 1 second

- **Probe Material:** 304 Food-grade Stainless Steel, Ceramic
- **Waterproof Rating:** IP67 (Probes are dishwasher safe)
- **Repeater Battery:** 2000mAh (Rechargeable)
- **Repeater Charging Time:** 3-4 hours
- **Probe Charging Time:** 20 minutes (in repeater)
- **Probe Usage Time (Full Power):** 24+ hours
- **Display Type:** Digital LCD with Backlight
- **Included Components:** Repeater, 2 Probes, User Manual, USB Type-C Charger

## 9. WARRANTY & SUPPORT

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ROUJO products are manufactured with high-quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the product packaging or visit the official ROUJO website. Please retain your proof of purchase for warranty claims.