MOES MS-102

MOES MS-102 WiFi Smart Garage Door Opener Controller

User Manual

1. Introduction

The MOES MS-102 WiFi Smart Garage Door Opener Controller integrates with your existing garage door opener to provide smart control and monitoring capabilities. This device allows you to operate, monitor, and automate your garage door using your smartphone or voice assistants like Alexa and Google Home. No additional hub is required for operation, only a 2.4GHz Wi-Fi network.

Key Features:

- Remote control and monitoring via Smart Life/Tuya APP (Android/iOS).
- Real-time door position status and alerts.
- History of open/close times.
- Countdown and repeat timers for automated operation.
- Voice control compatibility with Amazon Alexa and Google Home.
- Multiple user access for family convenience.
- No monthly subscription fees.

2. Package Contents

Before installation, please verify that all components are present:

- MOES MS-102 Smart Garage Door Opener Controller
- Door Sensor (Magnetic)
- Connection Cables
- Mounting Brackets
- Line Holders
- Screws
- 3M Adhesive Stickers
- Cable Ties

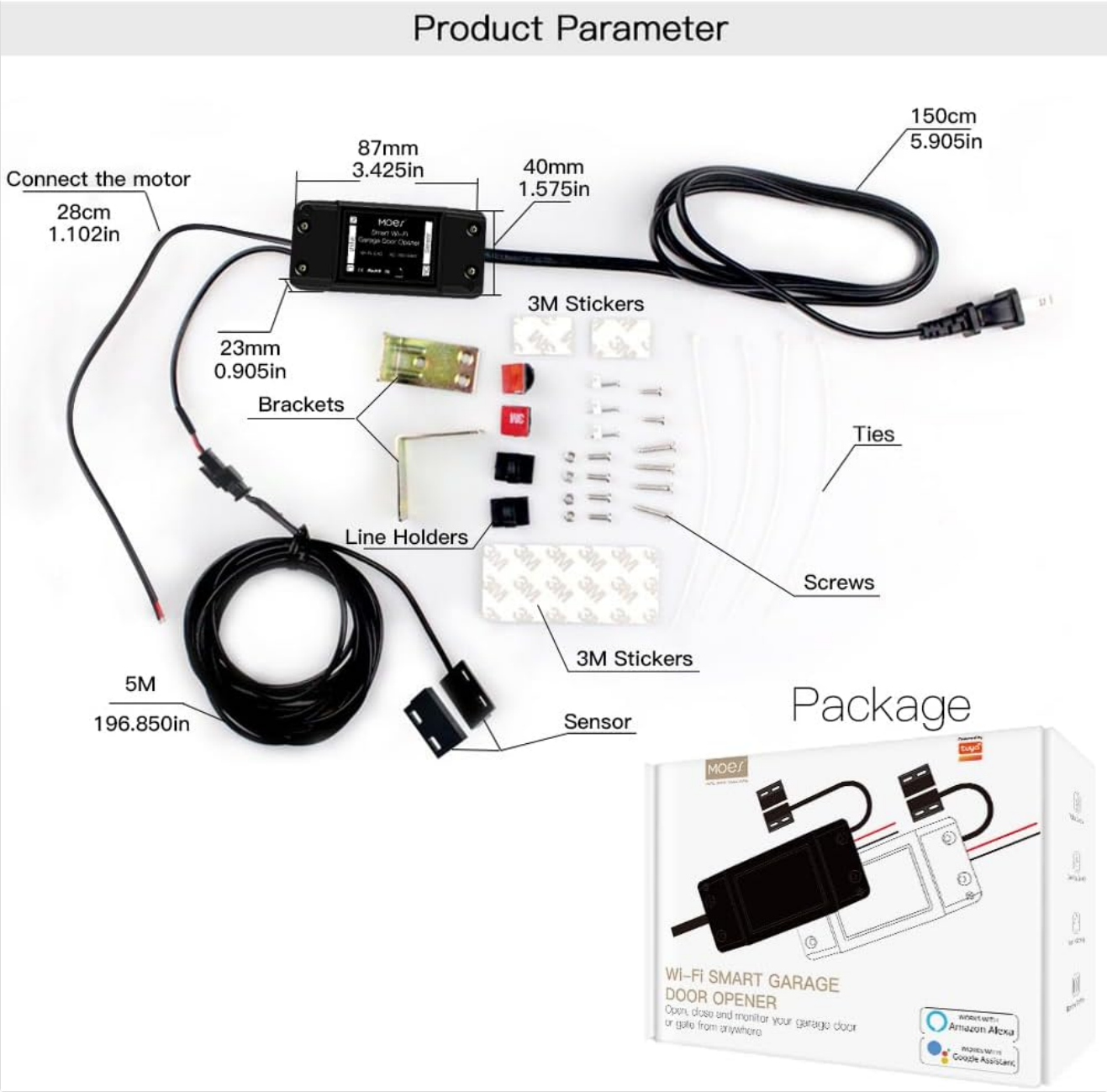


Figure 2.1: Package Contents and Product Parameters

3. Installation Guide

3.1. Compatibility Check

Before proceeding with installation, ensure your garage door opener is compatible. There are two primary methods to check compatibility:

Method 1: Check Compatibility List

1. Locate your garage door controller's brand and model number.
2. Reference the provided compatibility table (refer to Figure 3.1).
3. Verify if your opener is compatible with your model.

Method 2: Physical Testing

1. Prepare needle-nose pliers.

2. Locate the external switch terminals on your garage door motor.
3. Use the pliers to short-circuit these two terminals momentarily.
4. If the garage door opens or closes, your opener is compatible.

Important Note for CRAFTSMAN, CHAMBERLAIN, and LIFTMASTER brands:

- ✓ **Compatible:** Models with green, red, or orange learn buttons.
- ✗ **Not Compatible:** Models with yellow or purple learn buttons.

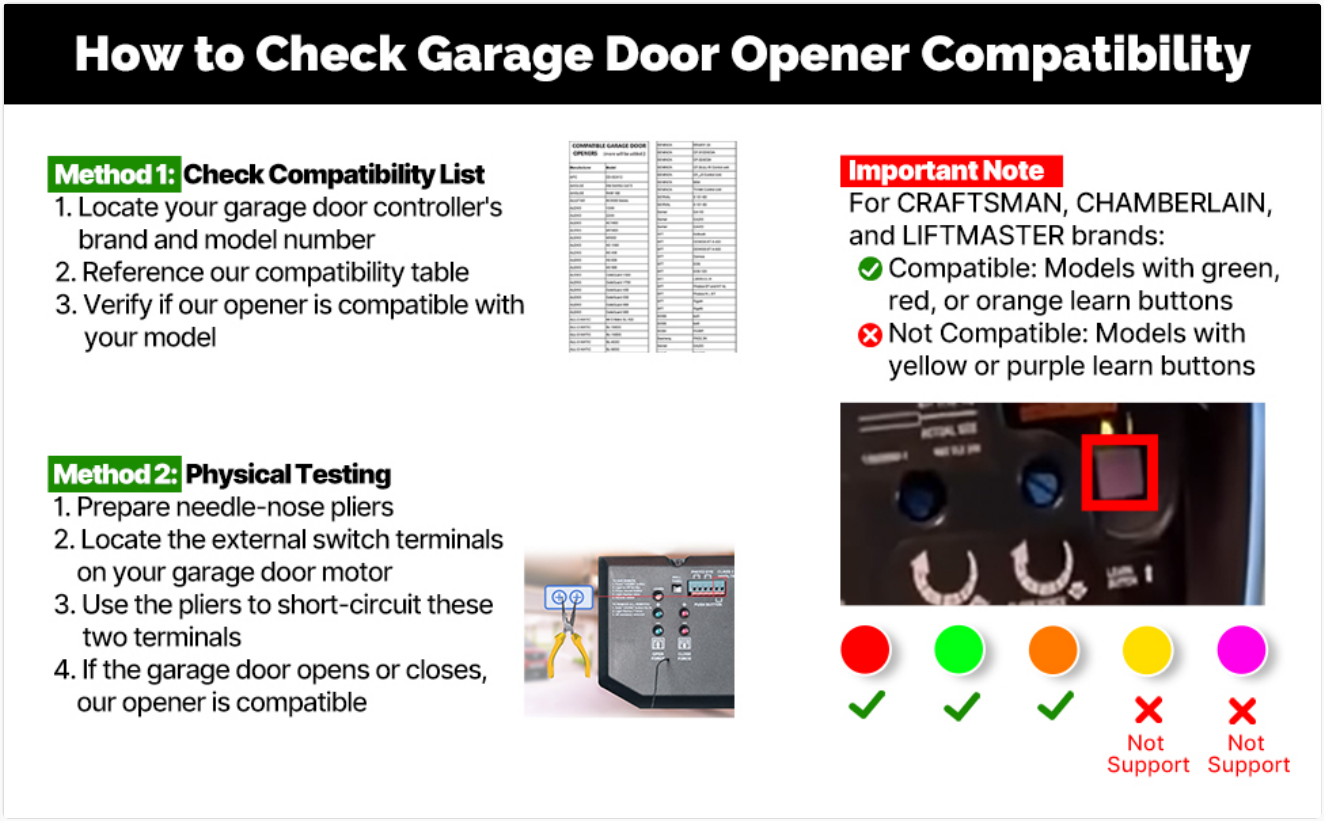


Figure 3.1: How to Check Garage Door Opener Compatibility

3.2. Physical Installation Steps

1. **Mount the Controller:** Choose a suitable location near your garage door opener motor. Use the provided mounting brackets and screws or 3M adhesive stickers to secure the MOES controller.
2. **Connect to Opener:** Connect the two control wires from the MOES controller to the external switch terminals on your garage door opener. These are typically the same terminals where a wall-mounted push button would connect.
3. **Install the Sensor:** Attach the magnetic sensor to your garage door. The two parts of the sensor (magnet and main sensor unit) should be mounted so they are close together (within 1-3 cm) when the garage door is closed, and separate when the door opens. Use the provided screws or 3M adhesive stickers. Ensure the sensor cable is routed safely and secured with line holders and cable ties to prevent interference with the door's movement.
4. **Power On:** Plug the MOES controller into a power outlet. The indicator light on the device should start blinking, indicating it's ready for network pairing.



Figure 3.2: Basic Installation Diagram

3.3. App Pairing (Smart Life/Tuya App)

1. **Download App:** Download the "Smart Life" or "Tuya Smart" app from your smartphone's app store (available for Android and iOS).
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.
3. **Add Device:** Tap the "+" icon in the top right corner to add a new device.
4. **Select Device Type:** Navigate to the "Electrician" section and select "Smart Garage Door Opener."
5. **Confirm Indicator:** Confirm that the indicator light on the MOES controller is blinking rapidly. If not, press and hold the reset button on the controller for 5 seconds until it blinks rapidly.
6. **Connect to Wi-Fi:** Enter your 2.4GHz Wi-Fi network password. The device will begin pairing.
7. **Completion:** Once successfully added, you can rename the device and access its controls within the app.

4. Operating Instructions

4.1. App Control

The Smart Life/Tuya app provides a user-friendly interface to control and monitor your garage door:

- **Open/Close:** Tap the main switch button to open or close the garage door. The app will display the current status (Open/Closed) and an animated garage door graphic.
- **Real-time Status:** The app provides instant feedback on the door's status, ensuring you know whether it's open or closed.
- **Alerts:** Configure notifications to receive alerts on your smartphone for door status changes (e.g., door left open for too long, door opened unexpectedly).
- **History:** View a record of when the garage door was opened or closed.
- **Timers & Schedules:** Set up countdown timers for automatic closing or create schedules for the door to open/close at specific times.

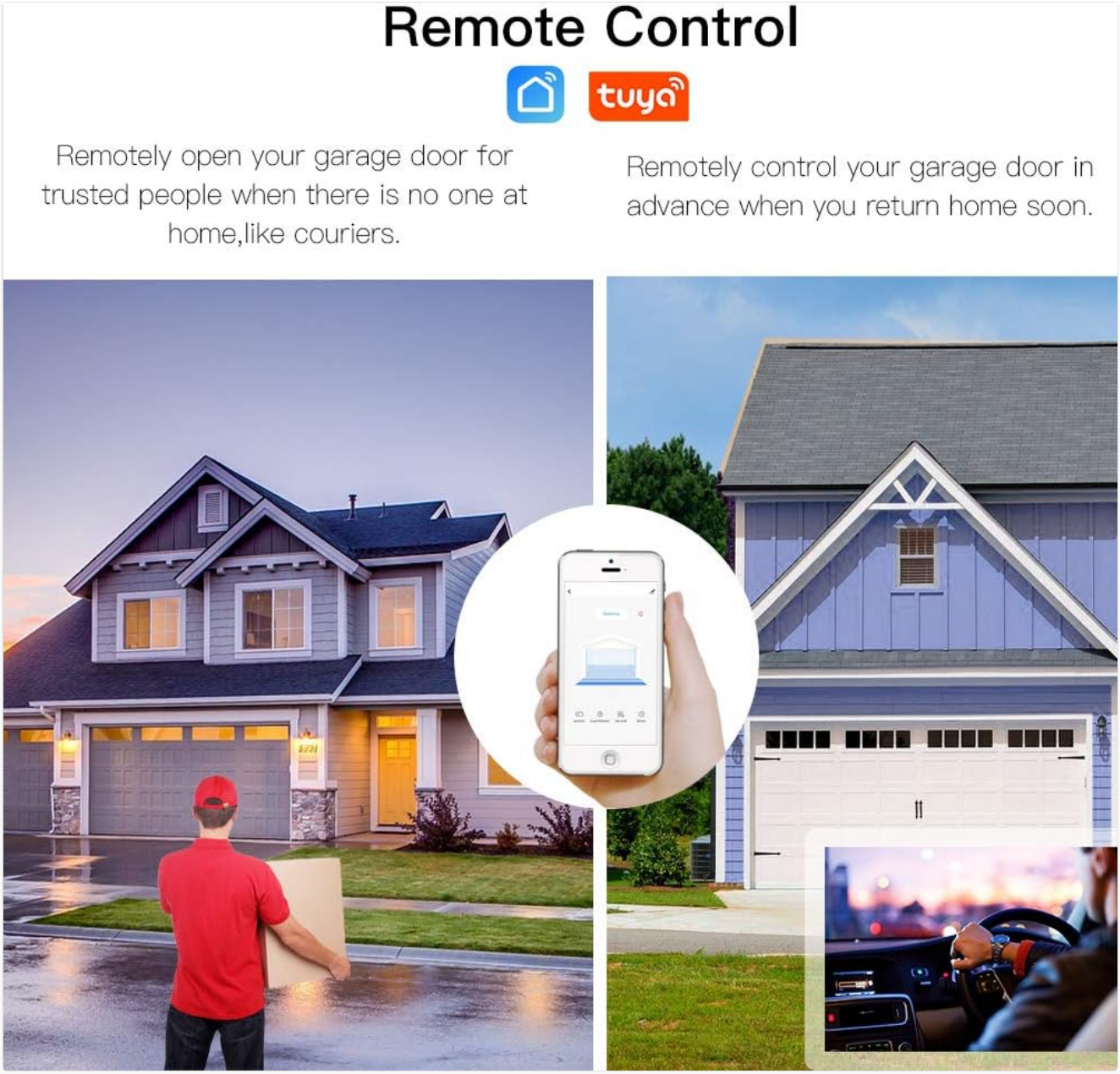


Figure 4.1: Remote Control via Smart Life/Tuya App

4.2. Voice Control (Alexa/Google Home)

Integrate your MOES controller with Amazon Alexa or Google Home for hands-free operation.

1. **Link Account:** In the Alexa or Google Home app, enable the "Smart Life" or "Tuya Smart" skill/service and link your account.
2. **Discover Devices:** Ask Alexa or Google Home to discover new devices.
3. **Voice Commands:** Use commands such as:
    - "Alexa, open the garage door."
    - "Hey Google, close the garage door."
    - "Alexa, is the garage door open?"



Figure 4.2: Hands-free Voice Control

4.3. Siri Voice Commands (iOS)

For iOS users, you can set up custom Siri shortcuts to control your garage door.

Prerequisites:

- iPhone with iOS.
- Smart Life App installed and configured.
- Garage door switch already added to Smart Life App.

Setup Instructions:

1. **Configure iPhone Settings:** Go to iPhone Settings, find "Smart Life" under installed apps, and ensure all "Siri & Search" options are enabled.
2. **Create a Scene in Smart Life:** Open Smart Life App, tap "Scene" button, select "Launch Tap-to-Run." Under "Then" step, add your garage door opener. Name the scene "Open the Garage Gate." Confirm and save.
3. **Add Siri Voice Command:** Look for "Add to Siri" in the bottom right corner. Tap it and create the voice command. Use exactly "Open the Garage Gate" as your phrase. The Siri command must match the scene

name exactly.

4. **Create Closing Command:** Repeat the same process for closing. Create a new scene named "Close the Garage Gate" and set up the corresponding Siri command.



Figure 4.3: How to Set Up Siri Voice Commands

5. Maintenance

The MOES MS-102 Smart Garage Door Opener Controller requires minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Regular Cleaning:** Periodically wipe the device and sensor with a dry, soft cloth to remove dust and debris. Do not use liquid cleaners.
- **Sensor Alignment:** Ensure the magnetic sensor components remain properly aligned on the garage door for accurate open/close detection. Re-adjust if necessary.
- **Cable Integrity:** Check all connected cables for any signs of wear, damage, or loose connections. Secure any loose cables with the provided line holders or cable ties.
- **Wi-Fi Stability:** Ensure your 2.4GHz Wi-Fi network is stable and provides adequate signal strength to the device for consistent operation.
- **App Updates:** Keep the Smart Life/Tuya app updated to the latest version to benefit from new features and security enhancements.

6. Troubleshooting

If you encounter issues with your MOES MS-102 controller, refer to the following troubleshooting steps:

6.1. Device Not Connecting to Wi-Fi / App

- **Check Wi-Fi:** Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz networks.
- **Router Proximity:** Move the device closer to your Wi-Fi router if the signal is weak.

- **Reset Device:** Press and hold the reset button on the controller for 5 seconds until the indicator light blinks rapidly, then attempt pairing again.
- **App Version:** Ensure your Smart Life/Tuya app is updated.

6.2. Garage Door Not Responding to Commands

- **Power Check:** Verify the MOES controller is powered on and its indicator light is solid (indicating a stable Wi-Fi connection).
- **Wiring:** Double-check the connection between the MOES controller and your garage door opener's terminals. Ensure wires are securely connected.
- **Compatibility:** Re-verify your garage door opener's compatibility (refer to Section 3.1). Some older or specific models may require an adapter (e.g., for Security+ 2.0 systems, an external relay or specific wall switch circuit board might be needed).
- **App Status:** Check the app for any error messages or if the device appears offline.

6.3. Incorrect Door Status in App

- **Sensor Alignment:** Ensure the magnetic sensor parts are correctly aligned and close enough when the door is closed.
- **Sensor Wiring:** Check the sensor cable for damage or loose connections to the MOES controller.

6.4. Voice Commands Not Working

- **Account Linking:** Confirm that your Smart Life/Tuya account is correctly linked to Alexa or Google Home.
- **Device Discovery:** Ask your voice assistant to discover devices again.
- **Command Phrasing:** Use the exact commands configured in the app or as recognized by the voice assistant.
- **Siri Specific:** For Siri, ensure the scene name in Smart Life exactly matches the voice command phrase.

7. Specifications

Feature	Specification
Brand	MOES
Model Number	MS-102
Product Dimensions	3.4 x 1.6 x 0.9 inches
Item Weight	12.8 ounces
Connectivity Technology	Wi-Fi (2.4GHz only)
Max Number of Supported Devices	1 (per controller)
Compatible Devices	Garage Door Openers

8. Warranty and Support

Specific warranty details for the MOES MS-102 WiFi Smart Garage Door Opener Controller are not provided in this document. For warranty information, technical support, or customer service inquiries, please refer to the official MOES website or contact their customer support directly through the Smart Life/Tuya app or your purchase

platform.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question