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› [WWSUNNY](#) /

› [WWSUNNY Smart Wi-Fi Roller Shutter Switch User Manual](#)

WWSUNNY 9166542855650

WWSUNNY Smart Wi-Fi Roller Shutter Switch User Manual

Model: 9166542855650

1. INTRODUCTION

Thank you for choosing the WWSUNNY Smart Wi-Fi Roller Shutter Switch. This device allows you to control your electric curtains, roller blinds, or garage doors remotely via a smartphone app (eWeLink or Tuya), voice commands (Alexa, Google Home), or directly through its touch panel. It integrates seamlessly into your smart home ecosystem, offering convenience and enhanced control.

Important Note: This switch requires a neutral wire for installation. Please ensure your home wiring includes a neutral wire before purchasing and installing.



Image 1.1: The WWSUNNY Smart Wi-Fi Roller Shutter Switch, highlighting 2.4G WiFi, EU/UK standard, and compatibility with Google Assistant and Amazon Alexa. It also shows applications for window roller shutters and garage doors.

2. PACKAGE CONTENTS

- 1 x WWSUNNY Smart Wi-Fi Roller Shutter Switch
- 1 x User Manual

3. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or a person with electrical knowledge. Always turn off the main power supply at the circuit breaker before installation or maintenance.
- **Neutral Wire Requirement:** This switch requires a neutral wire (N) for proper operation. If your electrical box does not have a neutral wire, this switch is not compatible.
- **Load Compatibility:** Ensure the connected device (curtain motor, garage door motor) is electrically controlled and within the switch's load capacity (10A/2200W).
- **Environment:** Do not install in excessively humid or hot environments.

- **Overload Protection:** The switch includes overload protection. Do not exceed the maximum rated load.

4. SPECIFICATIONS

Brand	WWSUNNY
Model Number	9166542855650
Input Voltage	AC 100V ~ AC 230V 50/60Hz
Load Power	10A / 2200W (Max)
Wireless Standard	Wi-Fi 2.4G (802.11 b/g/n)
Control Method	Touch, Voice Control, Mobile App (eWeLink/Tuya)
Compatible Systems	iOS 8.1 / Android 4.1 and above
Material	ABS Flame Retardant Base, Tempered Glass Touch Panel
Dimensions	86 x 86 x 32 mm
Color	White
Certifications	CE, ROHS, FCC

5. INSTALLATION

5.1 Wiring Diagram

Before proceeding, ensure the main power supply is OFF at the circuit breaker. This switch requires a neutral wire (N) connection.

APP REMOTE CONTROL

User can use a smartphone to remotely open/close curtain or electrical door at anytime and anywhere via APP as long as the iOS/Android phone has 3G/4G/WIFI network, enjoy the convenience of intelligent life!

APP: ewelink

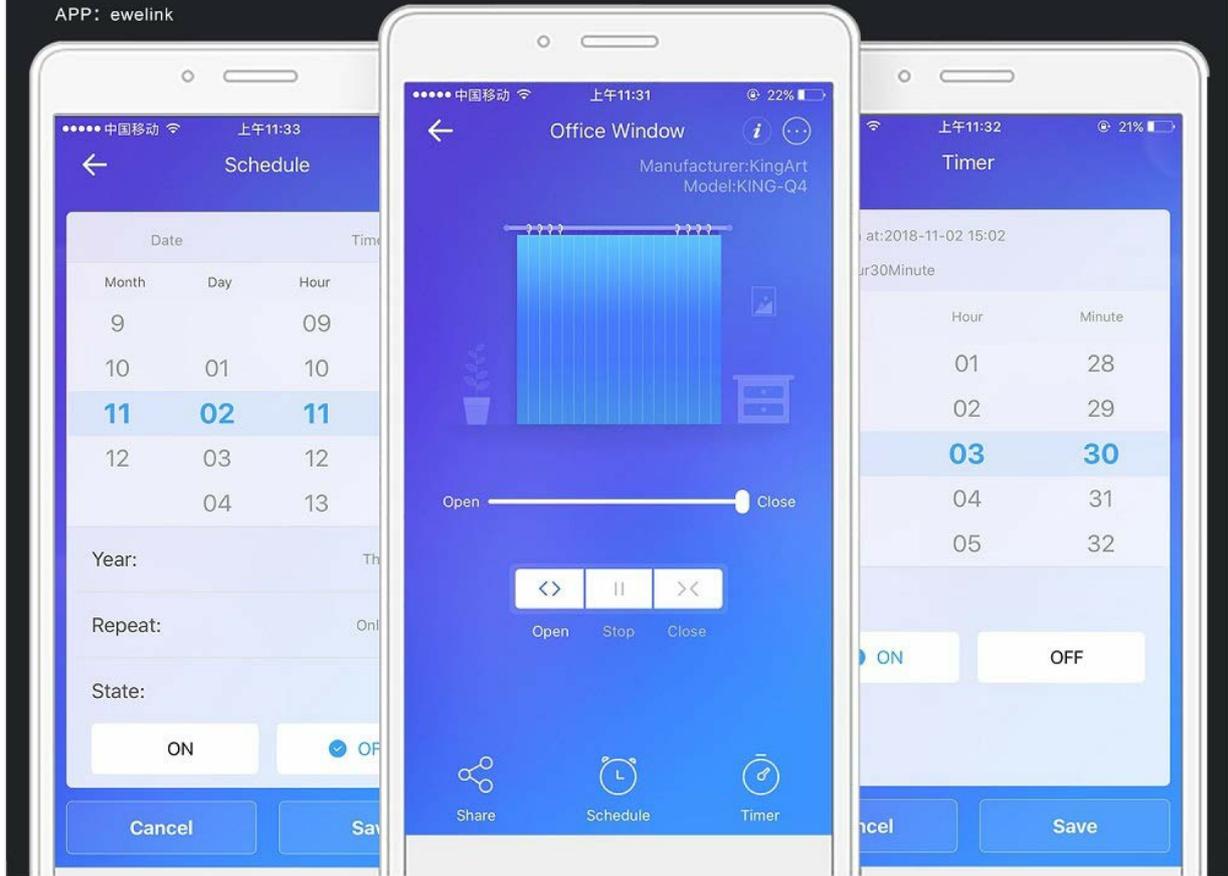


Image 5.1: A typical wiring diagram for the smart roller shutter switch. Connect Live (L), Neutral (N), and the motor wires (Up, Down, Common). Ensure all connections are secure.

1. Turn off the main power supply to the circuit where you will install the switch.
2. Remove your old switch (if any) and identify the Live (L), Neutral (N), and motor control wires (typically Up, Down, and a Common wire for the motor).
3. Connect the wires to the corresponding terminals on the WWSUNNY Smart Switch:
 - Live wire to 'L' terminal.
 - Neutral wire to 'N' terminal.
 - Motor Up wire to 'L1' or 'Up' terminal.
 - Motor Down wire to 'L2' or 'Down' terminal.
 - Motor Common wire to 'COM' terminal (if applicable, refer to your motor's manual).
4. Securely fasten the switch into the wall box.
5. Attach the glass panel.
6. Restore power at the circuit breaker.

5.2 Mounting

The switch is designed for wall-mount installation. Ensure the wall box is standard size and provides enough

space for wiring. The elegant tempered glass panel provides a waterproof and dustproof finish.

6. SETUP

6.1 App Download and Account Registration

1. Download the **eWeLink** or **Tuya Smart** app from the Apple App Store (for iOS) or Google Play Store (for Android).
2. Register a new account or log in with an existing one.

6.2 Device Pairing (Wi-Fi Connection)

1. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. (5GHz networks are not supported).
2. Open the eWeLink or Tuya Smart app.
3. Tap the '+' icon in the top right corner to add a device.
4. Follow the on-screen instructions to put the switch into pairing mode. This usually involves pressing and holding one of the touch buttons on the switch until the Wi-Fi indicator light blinks rapidly.
5. Select your 2.4GHz Wi-Fi network and enter the password.
6. The app will search for and connect to the device. Once connected, you can rename the switch for easy identification.

APP REMOTE CONTROL

User can use a smartphone to remotely open/close curtain or electrical door at anytime and anywhere via APP as long as the iOS/Android phone has 3G/4G/WIFI network, enjoy the convenience of intelligent life!

APP: ewelink

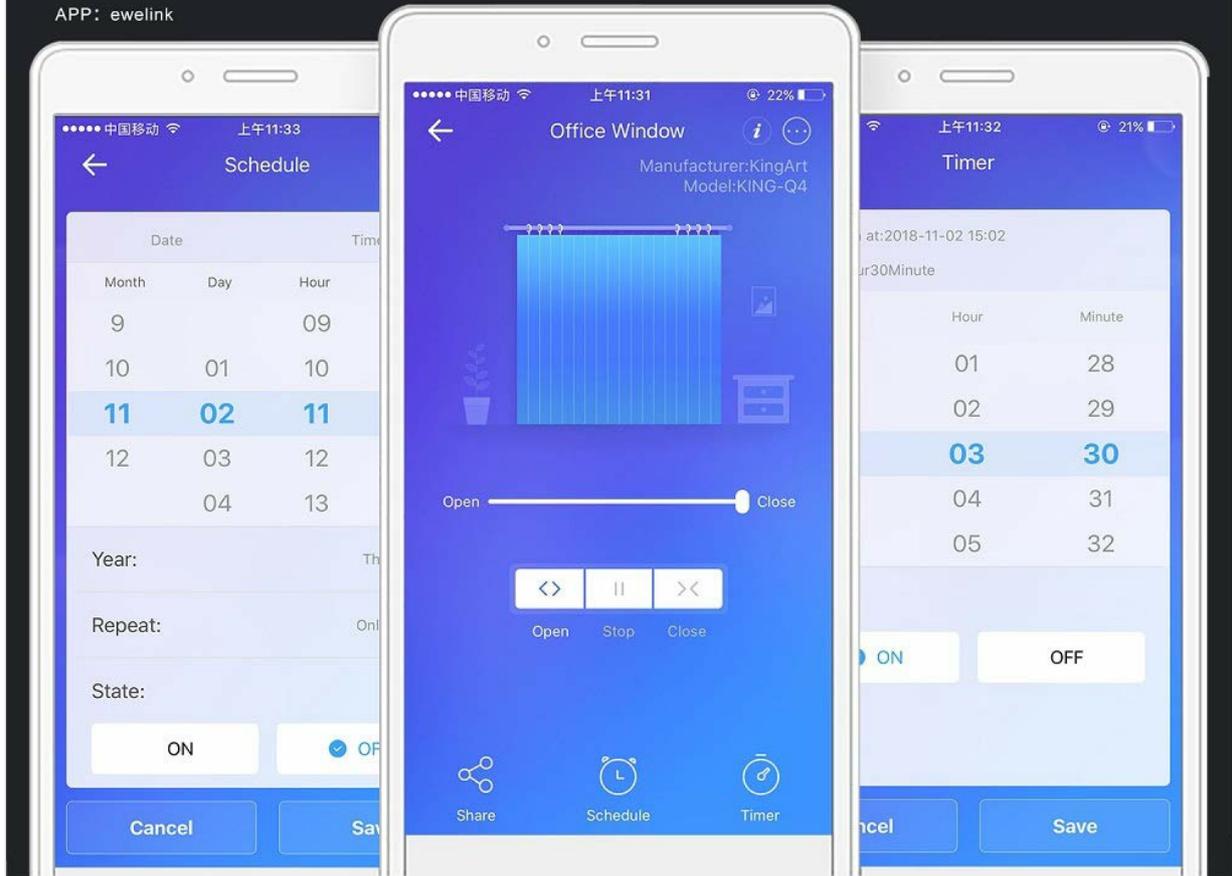


Image 6.1: Example of the mobile app interface showing scheduling and timer functions for remote control of the switch.

7. OPERATING INSTRUCTIONS

7.1 Manual Touch Control

The switch features a touch-sensitive glass panel for direct control:

- **Up Arrow:** Touch to open/raise the curtain/blind/garage door.
- **Down Arrow:** Touch to close/lower the curtain/blind/garage door.
- **Pause/Stop:** Touch to stop the movement at any desired position.

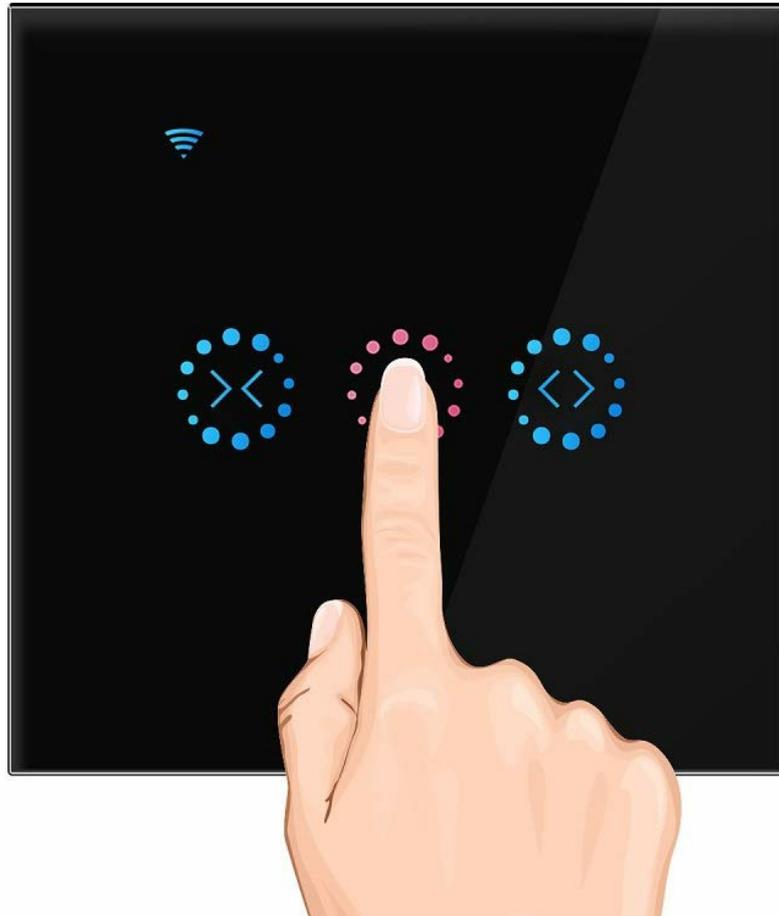
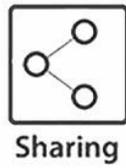


Image 7.1: A hand interacting with the touch panel of the smart switch, illustrating its direct control capabilities and highlighting features like timing, sharing, overload protection, and mobile control.

7.2 App Control (eWeLink/Tuya Smart)

Once paired, you can control the switch from anywhere using the app:

- **Open/Close:** Tap the respective buttons in the app to fully open or close your curtains/blinds/garage door.
- **Stop:** Use the stop button to halt movement at any intermediate position.
- **Percentage Control:** Adjust the opening/closing percentage for precise control (if supported by the app and motor).
- **Scheduling/Timing:** Set up schedules to automatically open or close your curtains at specific times (e.g., open at 7:00 AM, close at 9:00 PM). This function works even if the network is temporarily unavailable.
- **Device Sharing:** Share control of the switch with family members through the app.



Image 7.2: The mobile app displaying options to set schedules, such as opening curtains at 7:00 AM and closing them at 9:00 PM. This feature operates even without an active network connection.

Garage roller blind control

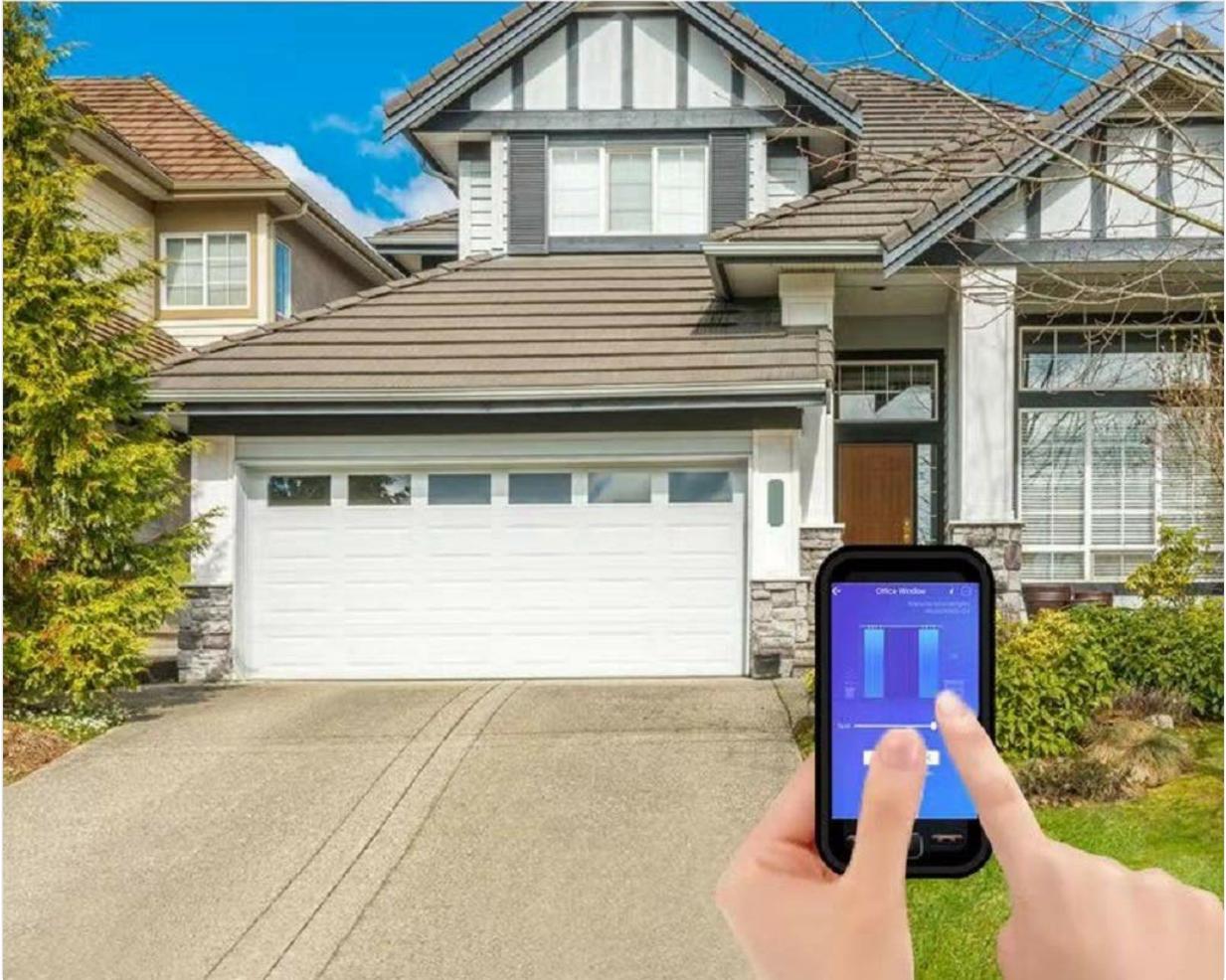


Image 7.3: A user operating a garage door remotely using the mobile application, demonstrating the convenience of smart control for various roller blind applications.

7.3 Voice Control

The switch is compatible with Amazon Alexa and Google Home for convenient voice control:

1. Link your eWeLink or Tuya Smart account to your Alexa or Google Home app.
2. Discover devices in your voice assistant app.
3. Use voice commands such as:
 - "Alexa, open the curtain."
 - "Hey Google, close the garage door."
 - "Alexa, set the window to 80%."

voice control



Image 7.4: Illustration of voice control functionality, showing Amazon Alexa and Google Home devices being used to command the smart switch to control curtains, such as setting them to 80% open.

8. MAINTENANCE

- **Cleaning:** Wipe the glass panel with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Care:** Avoid dropping or subjecting the switch to strong impacts.

9. TROUBLESHOOTING

- **Switch not powering on:**
 - Check if the main power supply is on.
 - Verify that the neutral wire (N) is correctly connected. This switch requires a neutral wire.
 - Ensure all wiring connections are secure.
- **Cannot connect to Wi-Fi:**
 - Ensure your Wi-Fi network is 2.4GHz. 5GHz networks are not supported.
 - Check your Wi-Fi password for accuracy.

- Make sure the switch is in pairing mode (Wi-Fi indicator blinking rapidly).
- Move the switch closer to your Wi-Fi router during the pairing process.
- Restart your router and try again.

- **Curtain/Garage door not responding:**

- Verify that the motor control wires (Up, Down, Common) are correctly connected to the switch.
- Ensure the motor itself is functioning correctly.
- Check if the switch is properly paired with the app and has a stable Wi-Fi connection.

- **Voice control not working:**

- Ensure your eWeLink/Tuya account is correctly linked to Alexa/Google Home.
- Check if the device is discovered and named appropriately in your voice assistant app.
- Use clear and precise voice commands.

10. WARRANTY AND SUPPORT

Specific warranty information is not provided in this manual. For warranty claims or technical support, please refer to the product packaging or contact your retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.