

NIVIAN NVS-MINICURTAIN-WR-KIT

NIVIAN NVS-MINICURTAIN-WR-KIT WiFi Roller Shutter Controller with RF Remote User Manual

Model: NVS-MINICURTAIN-WR-KIT

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your NIVIAN NVS-MINICURTAIN-WR-KIT WiFi Roller Shutter Controller. This device is designed to integrate motorized blinds and awnings into your smart home system, offering control via the Tuya Smart app, an included RF remote, and voice assistants like Amazon Alexa and Google Assistant. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- **Electrical Installation:** Installation should only be performed by a qualified electrician or a person with sufficient knowledge of electrical systems. Ensure the main power supply is disconnected before installation.
- **Voltage Compatibility:** Verify that the power supply voltage matches the device's specifications (100-240V AC, 50/60Hz).
- **Overload Protection:** Do not exceed the maximum current rating of 3A. The device includes overvoltage protection.
- **Material Safety:** The device is constructed with flame-retardant materials for enhanced safety.
- **Environment:** Do not expose the device to moisture, extreme temperatures, or corrosive environments.
- **Children and Pets:** Keep the device and its components out of reach of children and pets.

3. PACKAGE CONTENTS

The package should contain the following items:

- NIVIAN NVS-MINICURTAIN-WR-KIT WiFi Roller Shutter Controller
- RF Remote Control
- User Manual (this document)



Image 3.1: Contents of the NIVIAN NVS-MINICURTAIN-WR-KIT package, showing the smart controller, RF remote, and a smartphone interface.

4. PRODUCT OVERVIEW

The NIVIAN NVS-MINICURTAIN-WR-KIT is a compact smart switch designed to control motorized roller shutters and awnings. It integrates WiFi connectivity for app control and RF for the included remote. Key features include:

- **WiFi Connectivity:** Control via Tuya Smart app from anywhere.
- **RF Remote Control:** Convenient local control with the included RF remote.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant.
- **Scheduling & Timers:** Automate opening and closing times.
- **Smart Scenarios:** Create custom automation rules based on conditions.
- **Energy Monitoring:** Track power consumption of connected motors.
- **Compact Design:** Easily integrates behind existing wall switches.



Image 4.1: Overview of the controller's features and compatibility.

5. SETUP AND INSTALLATION

5.1 Wiring Diagram

Before proceeding with installation, ensure the main power supply to the circuit is turned OFF at the breaker. This device is designed to be installed behind an existing manual wall switch for motorized blinds/awnings. The controller has terminals for Motor (M1, M2), Power (L, N), and Switch (S1, S2).

EASY INSTALLATION



Image 5.1: Example of the controller installed with an existing wall switch.

1. **Disconnect Power:** Turn off the main power supply to the circuit at your home's electrical panel.
2. **Access Wiring:** Remove the existing wall switch plate and switch to access the wiring.
3. **Connect Motor Wires:** Connect the motor's UP and DOWN wires to the M1 and M2 terminals on the controller.
4. **Connect Power Wires:** Connect the Live (L) and Neutral (N) wires from your power supply to the L and N terminals on the controller.
5. **Connect Switch Wires:** Connect the wires from your existing manual wall switch to the S1 and S2 terminals on the controller.
6. **Secure Device:** Carefully place the controller inside the wall box, ensuring no wires are pinched. Reinstall the wall switch and plate.
7. **Restore Power:** Turn the main power supply back ON.

5.2 App Pairing (Tuya Smart)

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (iOS/Android).

2. **Register/Login:** Open the app and register for a new account or log in if you already have one.
3. **Enter Pairing Mode:** Power on the controller. The indicator light on the controller should blink rapidly (usually 2 times per second) to indicate it's in pairing mode. If not, press and hold the reset button (or the manual switch for 5-10 seconds) until it blinks rapidly.
4. **Add Device:** In the Tuya Smart app, tap the "+" icon in the top right corner to add a device. Select "Curtain Switch" or "Curtain Module" from the device list.
5. **Connect to WiFi:** Follow the on-screen instructions to connect the device to your 2.4GHz WiFi network. Enter your WiFi password.
6. **Completion:** Once connected, the device will appear in your app. You can rename it for easier identification.

5.3 RF Remote Pairing

The included RF remote control is pre-paired with the controller. If you need to re-pair or pair additional RF remotes:

1. **Enter Pairing Mode:** Briefly press the pairing button on the controller (or press the manual switch 4 times quickly). The indicator light will blink slowly.
2. **Press Remote Button:** Within 5 seconds, press any button on the RF remote you wish to pair.
3. **Confirmation:** The controller's indicator light will stop blinking, confirming successful pairing.

6. OPERATING INSTRUCTIONS

The NIVIAN controller offers multiple ways to operate your motorized blinds or awnings:



Image 6.1: Multiple control modes for the roller shutter controller.

6.1 Tuya Smart App Control

- Open the Tuya Smart app and select your roller shutter device.
- You will see options to "Open," "Close," or "Pause" the blinds.
- A percentage slider allows you to set the opening/closing position precisely.

CREATE SMART SCENARIOS

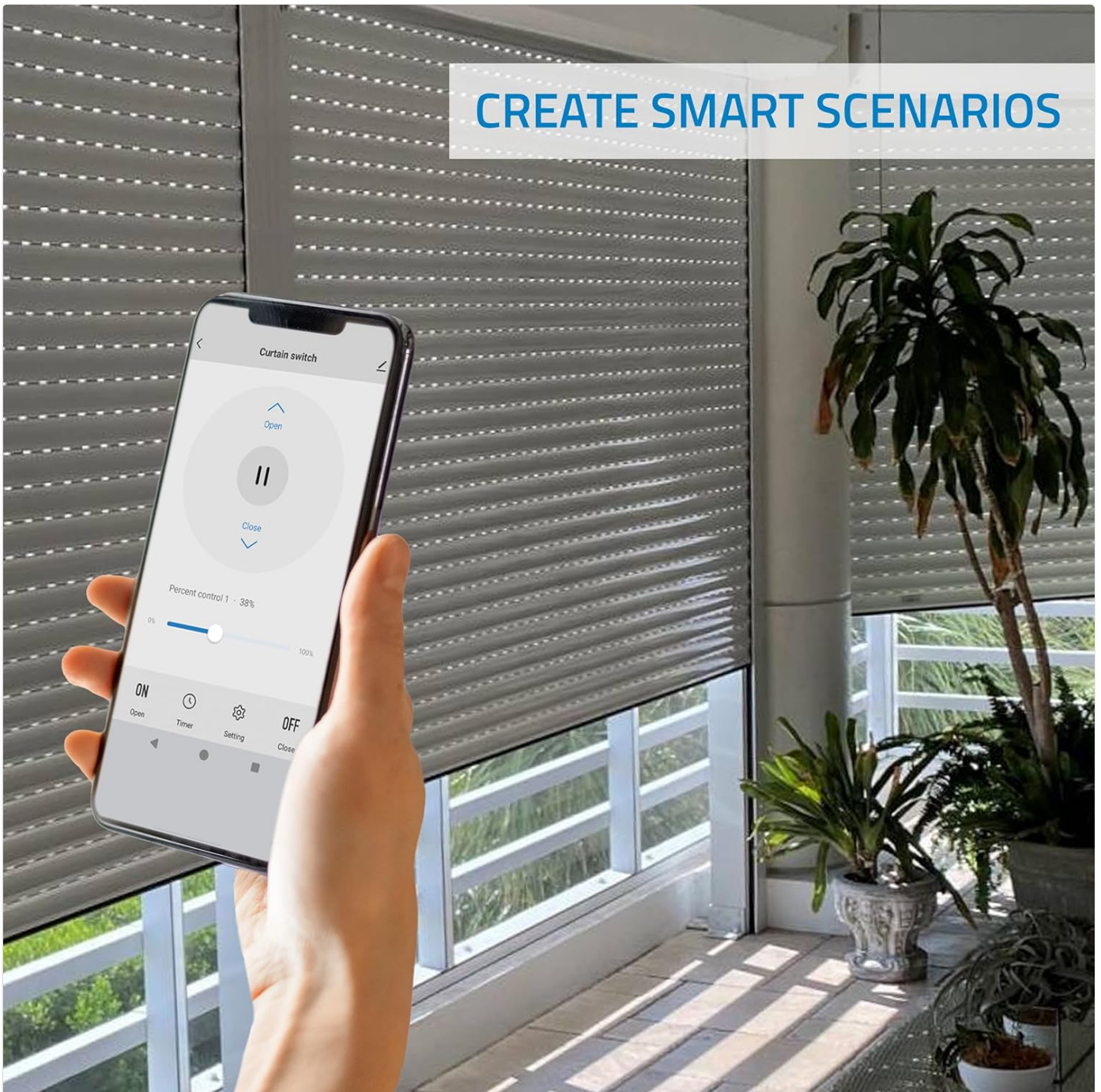


Image 6.2: Controlling roller shutters via the Tuya Smart app.

6.2 RF Remote Control

- Use the "Up" button to open the blinds.
- Use the "Down" button to close the blinds.
- Use the "Stop/Pause" button to halt the blinds at any desired position.

6.3 Voice Control (Alexa/Google Assistant)

To enable voice control, link your Tuya Smart account to Amazon Alexa or Google Assistant through their respective apps. Once linked, you can use commands such as:

- "Alexa, open [Device Name] blinds."
- "Hey Google, close [Device Name] blinds."
- "Alexa, set [Device Name] blinds to 50%."

6.4 Manual Wall Switch Control

The existing manual wall switch connected to the controller will continue to function normally, allowing for traditional physical control of your blinds.

7. SMART FEATURES AND AUTOMATION

7.1 Scheduling and Timers

Within the Tuya Smart app, you can set schedules for your blinds to open or close at specific times on chosen days. This is ideal for daily routines or simulating presence when away.

7.2 Smart Scenarios

Create custom automation rules (scenarios) in the Tuya Smart app. These can be triggered by various conditions:

- **Weather Changes:** Automatically close blinds if the weather forecast predicts strong sun or rain.
- **Location Changes:** Open blinds when you arrive home.
- **Time of Day:** Adjust blinds based on sunrise/sunset.
- **Device Status:** Integrate with other smart devices (e.g., close blinds when a smart light turns on).

SMART HOME | AUTOMATION & SCENE

WORKS WITH OTHER NIVIAN DEVICES & VOICE ASSISTANTS

CREATE SMART SCHEDULES
AND SCENES 

OPERATE
FROM ANYWHERE 

ALEXA! LOWER
ALL THE BLINDS 



Image 7.1: Creating smart home automation scenarios.

APPEAR PRESENT WHEN YOU GO ON VACATION

RAISE AND LOWER
BLINDS FROM ANYWHERE



Image 7.2: Simulating presence by raising and lowering blinds remotely.

7.3 Energy Monitoring

The controller provides energy consumption reports and graphs within the Tuya Smart app, allowing you to monitor and manage the power usage of your connected motors.

8. MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the device. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Periodically check the Tuya Smart app for available firmware updates to ensure optimal performance and security.
- **Battery Replacement (RF Remote):** If the RF remote's range or responsiveness decreases, replace its battery (type usually CR2032, check remote for specifics).

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not pairing with app.	Incorrect WiFi password, 5GHz WiFi network, device not in pairing mode.	Ensure correct 2.4GHz WiFi password. Confirm device indicator is blinking rapidly. Reset device and try pairing again.
Blinds not responding to app/remote.	No power to controller, incorrect wiring, RF remote battery low, WiFi disconnected.	Check power supply. Verify wiring connections. Replace RF remote battery. Check WiFi connection in app.
Blinds move in the wrong direction.	Motor wires (M1/M2) are reversed.	Disconnect power and swap the M1 and M2 motor wires.
Voice control not working.	Tuya account not linked to Alexa/Google, incorrect device name, internet connectivity issues.	Ensure Tuya account is linked. Use the exact device name. Check internet connection.

10. SPECIFICATIONS

Model Number	NVS-MINICURTAIN-WR-KIT
Input/Output Voltage	100-240V AC, 50/60Hz
Rated Current	3A
Wireless Connectivity	WiFi 2.4GHz, RF
Operating Mode	ON-OFF-ON
Contact Type	Normally Open
Connector Type	Plug In
Switch Type	Push Button
Terminal Type	Screw
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (L x W x H)	40 x 40 x 20 mm
Weight	70 g
Origin	China



11. WARRANTY AND SUPPORT

NIVIAN products are designed for reliability and performance. For warranty information, technical support, or to access additional resources, please visit the official NIVIAN website or contact customer service.



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AT YOUR SERVICE

NIVIANHOME WEB

-  Information
-  Technical support
-  Warranty

 Instagram



 YouTube







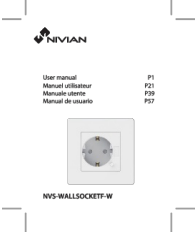
Tutorials & Tips



For tutorials and tips, visit NIVIAN on [Instagram](#) or [YouTube](#).



Related Documents - NVS-MINICURTAIN-WR-KIT

	<p>Nivian Accessory Wireless Remote Battery Button User Manual</p> <p>This document provides instructions and safety information for the Nivian Accessory Wireless Remote Battery Button, including setup, warranty, and user responsibility.</p>
	<p>Nivian Smart AC Relay NVS-MINISWITCH User Manual WiFi Smart Switch</p> <p>Comprehensive user manual for the Nivian Smart AC Relay (NVS-MINISWITCH) models 102-WR and 202-WR. Learn to connect, configure, and control your WiFi smart switch with Tuya Smart and Smart Life apps for smart home automation.</p>
	<p>Nivian NVS-IPC-08-BATSOLAR-L Smart Security 2K WiFi Battery Camera</p> <p>Detailed specifications and features of the Nivian NVS-IPC-08-BATSOLAR-L WiFi battery-powered outdoor camera. Offers Super HD 2K resolution, two-way audio, AI human detection, night vision, and smart home integration with Alexa and Google Assistant.</p>
	<p>Nivian NVS-SMARTSWITCH-W Smart Switch User Manual</p> <p>User manual for the Nivian NVS-SMARTSWITCH-W, a smart Wi-Fi enabled switch. Covers installation, setup with TUYA Smart app, and integration with Amazon Alexa.</p>
	<p>NIVIAN NVS-WALLSOCKETF-W Smart Wi-Fi Wall Socket User Manual & Setup Guide</p> <p>Get detailed installation and setup instructions for the NIVIAN NVS-WALLSOCKETF-W Smart Wi-Fi Wall Socket. Learn to connect via TUYA Smart app and integrate with Amazon Alexa for smart home control.</p>



[Nivian Smart Home WiFi Battery Camera User Manual](#)

Comprehensive user manual for the Nivian Smart Home WiFi Battery Camera, covering setup, app integration with Tuya Smart, daily usage, features, and settings.