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Ajax Online Aj_WIFI_Alexa_Blind_Motor

Ajax Online Smart WiFi Blind Motor User Manual

Brand: Ajax Online | Model: Aj_WIFI_Alexa_Blind_Motor

1. INTRODUCTION

The Ajax Online Smart WiFi Blind Motor is designed to automate your existing roller blinds, horizontal blinds, and curtains that operate with a drawstring or side mechanism. This device integrates seamlessly with smart home ecosystems like Amazon Alexa, Google Home, and Apple Siri via shortcuts, offering convenient control from anywhere in the world. This manual provides comprehensive instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your blind motor.

Key Features:

- Easy installation, typically within 10-15 minutes.
- Compatible with Tuya or Smart Life App for remote control.
- Voice control support for Amazon Alexa, Google Home, and Apple Siri Shortcuts.
- Group control functionality to operate multiple blinds simultaneously.
- Enhances home security by allowing blind operation even when you are away.
- Offers convenience for individuals with limited mobility.
- Child safety feature.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply is disconnected before installation or maintenance.
- This device is not battery-powered; ensure a power outlet is nearby for continuous operation.
- Do not expose the motor to water or excessive humidity.
- Keep children and pets away from the blind motor and moving blinds during operation.
- Only use the provided power cable and accessories.
- Do not attempt to disassemble or repair the motor yourself. Contact qualified personnel for service.
- Ensure the blind mechanism is free from obstructions before operating the motor.

3. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and undamaged.

- 1 x Ajax Online Smart WiFi Blind Motor
- 1 x 2.5m Power Cable
- Mounting Screws (2 recommended)
- Connection Gears for beaded or corded blinds
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components and dimensions of your Ajax Online Smart WiFi Blind Motor.



Figure 4.1: The Ajax Online Smart WiFi Blind Motor shown installed on a wall next to a window blind, demonstrating its compact design and integration with existing blind mechanisms.



Flexible mounting options

The motor can be mount either on the wall or window frame

Figure 4.2: Detailed dimensions of the blind motor, measuring approximately 17cm in height, 5.5cm in width, and 4.5cm in depth, aiding in planning installation space.



Figure 4.3: A close-up view of the motor's control panel, highlighting the three buttons for one-touch operation: Up, Stop/Pause, and Down.

5. INSTALLATION AND SETUP

Follow these steps for a quick and easy installation of your blind motor.

5.1 Pre-Installation Checklist

- Ensure your existing blinds have a side chain or cord mechanism.

- Verify a 2.4 GHz Wi-Fi network is available for smart home integration. The motor only connects to 2.4 GHz networks.
- Confirm a power outlet is within 2.5 meters of the installation location.
- Gather necessary tools: drill, screwdriver, pencil for marking.

Works with 2.4 GHz WIFI Frequency ONLY





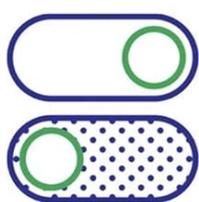
Easy Installation

Setup your motor in 10-15 minutes.



Convenient Scheduling

Set desired blind heights and time, so that the blinds can be drawn to your schedule.



Multiple Motor Control

Control multiple motors to work independently within or in each room.



Home Security

The ability to have your blinds open and close, even when you are not at home.



Voice Control

Works with Amazon Alexa, Google Home & Apple Siri Shortcuts



Ajax Online

Figure 5.1: An illustrative diagram emphasizing the ease of installation (10-15 minutes setup) and the critical requirement for a 2.4 GHz Wi-Fi frequency connection.

5.2 Compatibility

The Ajax Online Smart WiFi Blind Motor is compatible with a wide range of blinds that use a side chain or cord mechanism. Please refer to the compatibility guide below.



Figure 5.2: A visual guide illustrating the types of blinds compatible with the motor, including roller blinds, vertical blinds, horizontal blinds, and more, along with supported chain/cord sizes (2mm, 4mm, 6mm, 4.5x6mm, metal chain, beaded, 3.2mm).



Figure 5.3: An important notice indicating that the blind motor is NOT compatible with Venetian blinds that feature a tilt mechanism.



Figure 5.4: This image clarifies that the motor is exclusively compatible with blinds that operate via a side chain mechanism, whether beaded or corded.

5.3 Mounting Options

The motor offers flexible mounting options to suit your window setup.



Figure 5.5: This image demonstrates that the motor can be mounted either directly on the wall or on the window frame, providing versatility for installation.

5.4 Step-by-Step Installation

1. **Choose Mounting Location:** Decide whether to mount the motor on the wall or the window frame. Ensure it is close to a power outlet and the blind's side mechanism.
2. **Mark Drill Holes:** Hold the motor in the desired position and use a pencil to mark the two screw holes.
3. **Drill Holes:** Drill pilot holes at the marked locations.
4. **Secure Motor:** Attach the motor to the wall or window frame using the provided screws.
5. **Connect Blind Cord/Chain:** Carefully feed your blind's existing cord or chain into the motor's mechanism. Select the appropriate connection gear if necessary.
6. **Plug In:** Connect the 2.5m power cable to the motor and plug it into a power outlet.
7. **Initial Test:** Briefly press the Up or Down button on the motor to ensure the blind moves correctly.

6. OPERATING THE BLIND MOTOR

Your Ajax Online Smart WiFi Blind Motor offers multiple ways to control your blinds.

6.1 Manual Operation (One-Touch)

You can manually open or close your blinds directly from the motor unit.



Figure 6.1: A close-up view of the motor's control panel, highlighting the three buttons for one-touch operation: Up, Stop/Pause, and Down. Simply press the desired button to control your blinds.

- Press the **Up** button to raise the blind.
- Press the **Down** button to lower the blind.
- Press the **Square/Stop** button to pause the blind at any desired position.

6.2 Smart App Control (Tuya / Smart Life)

For remote control and advanced features, download the Tuya or Smart Life app on your smartphone.

1. **Download App:** Search for "Tuya Smart" or "Smart Life" in your app store (iOS/Android) and install it.
2. **Register/Login:** Create an account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add a new device. Ensure your phone is connected to the 2.4 GHz Wi-Fi network.
4. **Pairing Mode:** The motor should enter pairing mode (refer to app instructions for specific steps, usually involves holding a button on the motor).
5. **Set Limits:** Once paired, use the app to set the upper and lower limits for your blinds. This is crucial for proper operation.

Through the app, you can:

- Open and close blinds remotely from anywhere.
- Set schedules for automatic opening and closing.
- Control multiple motors simultaneously (group control).
- Integrate with voice assistants.

Works with 2.4 GHz WIFI Frequency ONLY



Easy Installation
Setup your motor in 10-15 minutes.

Convenient Scheduling
Set desired blind heights and time, so that the blinds can be drawn to your schedule.

Multiple Motor Control
Control multiple motors to work independently within or in each room.

Home Security
The ability to have your blinds open and close, even when you are not at home.

Voice Control
Works with Amazon Alexa, Google Home & Apple Siri Shortcuts



Figure 6.2: This diagram illustrates the advanced functionalities available through the smart app, including convenient scheduling, control of multiple motors, enhanced home security features, and voice control compatibility.

6.3 Voice Control (Alexa, Google Home, Apple Siri)

Integrate your blind motor with popular voice assistants for hands-free control.

1. **Link Account:** In your Alexa, Google Home, or Apple Home app, link your Tuya Smart/Smart Life account.
2. **Discover Devices:** Once linked, ask your voice assistant to discover new devices.
3. **Create Routines/Shortcuts:** Set up custom commands or routines (e.g., "Alexa, open living room blinds," "Hey Google, close bedroom curtains," "Siri, good morning blinds").

This feature provides enhanced convenience, especially for users with limited mobility, allowing them to operate blinds effortlessly.

7. MAINTENANCE

The Ajax Online Smart WiFi Blind Motor requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Wipe the motor's exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Mechanism Check:** Periodically inspect the blind's cord or chain for any wear or damage. Ensure it moves freely without obstruction.
- **Power Connection:** Verify that the power cable is securely plugged into both the motor and the wall outlet.

8. TROUBLESHOOTING

If you encounter issues with your blind motor, please refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Motor keeps flashing.	Possible pairing issue or incorrect mode.	Try re-entering pairing mode as per app instructions. If issue persists, try resetting the device (refer to app or contact support).
App not working with the blind.	Limits not set, incorrect Wi-Fi frequency, or pairing issue.	<ul style="list-style-type: none"> • Ensure you have defined the upper and lower limits for the blind within the app. • Verify your Wi-Fi network is 2.4 GHz. The motor does not support 5 GHz. • Attempt to re-pair the device with the app. • Check your internet connection.
Blind does not move or moves intermittently.	Power issue, obstruction, or incorrect chain/cord connection.	<ul style="list-style-type: none"> • Check if the motor is properly plugged in and receiving power. • Ensure there are no obstructions preventing the blind from moving freely. • Verify the blind's cord/chain is correctly seated in the motor's mechanism.
Voice control not responding.	Account not linked, device not discovered, or incorrect commands.	<ul style="list-style-type: none"> • Confirm your Tuya/Smart Life account is correctly linked to Alexa/Google Home/Apple Home. • Ask your voice assistant to "discover devices" again. • Ensure you are using the correct commands or phrases set in your routines.

If you continue to experience problems, please contact Ajax Online customer support. We can resolve 95% of issues with our dedicated support team.

9. SPECIFICATIONS

Attribute	Detail
Brand	Ajax Online
Model Number	Aj_WIFI_Alexa_Blind_Motor
Color	White
Product Dimensions (L x W x H)	16.99 x 5.51 x 0.01 cm (Note: 0.01cm for height seems incorrect, likely a data entry error, actual height is ~17cm from image)

Attribute	Detail
Item Weight	570 grams
Power	12 Watts
Material	Plastic, Metal
Special Features	Smart Wi-Fi blind motor, Smart roller blinds and curtains, Compatible with Alexa and Google Home
Recommended Uses	Indoor
Operation Mode	Automatic

10. WARRANTY AND SUPPORT

Ajax Online is committed to providing high-quality products and excellent customer service.

10.1 Warranty Information

Specific warranty details are not provided in this manual. Please refer to your purchase documentation or the Ajax Online website for comprehensive warranty terms and conditions.

10.2 Customer Support

For technical assistance, troubleshooting, or any other inquiries, please do not hesitate to contact our UK-based customer service team. We are available to help resolve any issues you may encounter.

Contact Number: 01207 201989

We are dedicated to assisting you and can resolve a significant majority of customer issues with our support.