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Nusican M02

Nusican M02 Automatic Chicken Coop Door User Manual

Model: M02

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Nusican M02 Automatic Chicken Coop Door. Please read this manual thoroughly before use to ensure proper function and longevity of the product. This automatic door is designed to provide secure and convenient access for poultry, featuring multiple operation modes and power options.



Image 1.1: The Nusican M02 Automatic Chicken Coop Door in operation, showing a chicken entering the coop.

2. Safety Information

Observe the following safety guidelines to prevent injury or damage to the device:

- Ensure the installation surface is stable and secure.
- Keep hands and loose clothing away from moving parts during operation.
- Do not attempt to force the door open or closed manually while it is in automatic operation.
- The anti-pinch function is designed to prevent injury to poultry. However, always monitor initial operations to ensure safe passage for your animals.
- Do not expose the device to extreme temperatures outside the specified operating range (-15°F to 140°F / -26°C to 60°C).
- When using the solar panel, ensure it is positioned to receive maximum sunlight.
- Fully charge the internal battery via the adapter before first use to ensure optimal performance.



Image 2.1: Illustration of the anti-pinch safety feature, where the door gently taps to encourage poultry to move before fully closing.

3. Package Contents

Verify that all items listed below are included in your package:

- Automatic Chicken Coop Door Unit
- Solar Controller
- Remote Control
- USB Charging Cable
- Cleaning Brush
- Wall Expansion Screws (x2)
- Fixing Screws (x6)
- Ground Plug

- Connector
- User Manual



Image 3.1: Overview of all items included in the product package.

4. Specifications

Feature	Specification
Model Name	M02 Automatic Chicken Coop Door
Material	ABS Plastic
Product Dimensions (LxWxH)	14.27" x 2" x 10.7" (36.25 cm x 5.08 cm x 27.18 cm)
Inner Door Opening (LxW)	10.14" x 8.58" (25.75 cm x 21.79 cm)

Item Weight	3.12 pounds (1.42 kg)
Power Options	Solar, Rechargeable Battery (3000mAh), DC Charging Cable
Battery Life (Full Charge)	Up to 90 days
Operating Temperature	-15°F to 140°F (-26°C to 60°C)
Remote Control Range	Up to 10 meters (33 feet)
Target Animals	Poultry (chicken, duck, rabbit, etc.) under 10 pounds

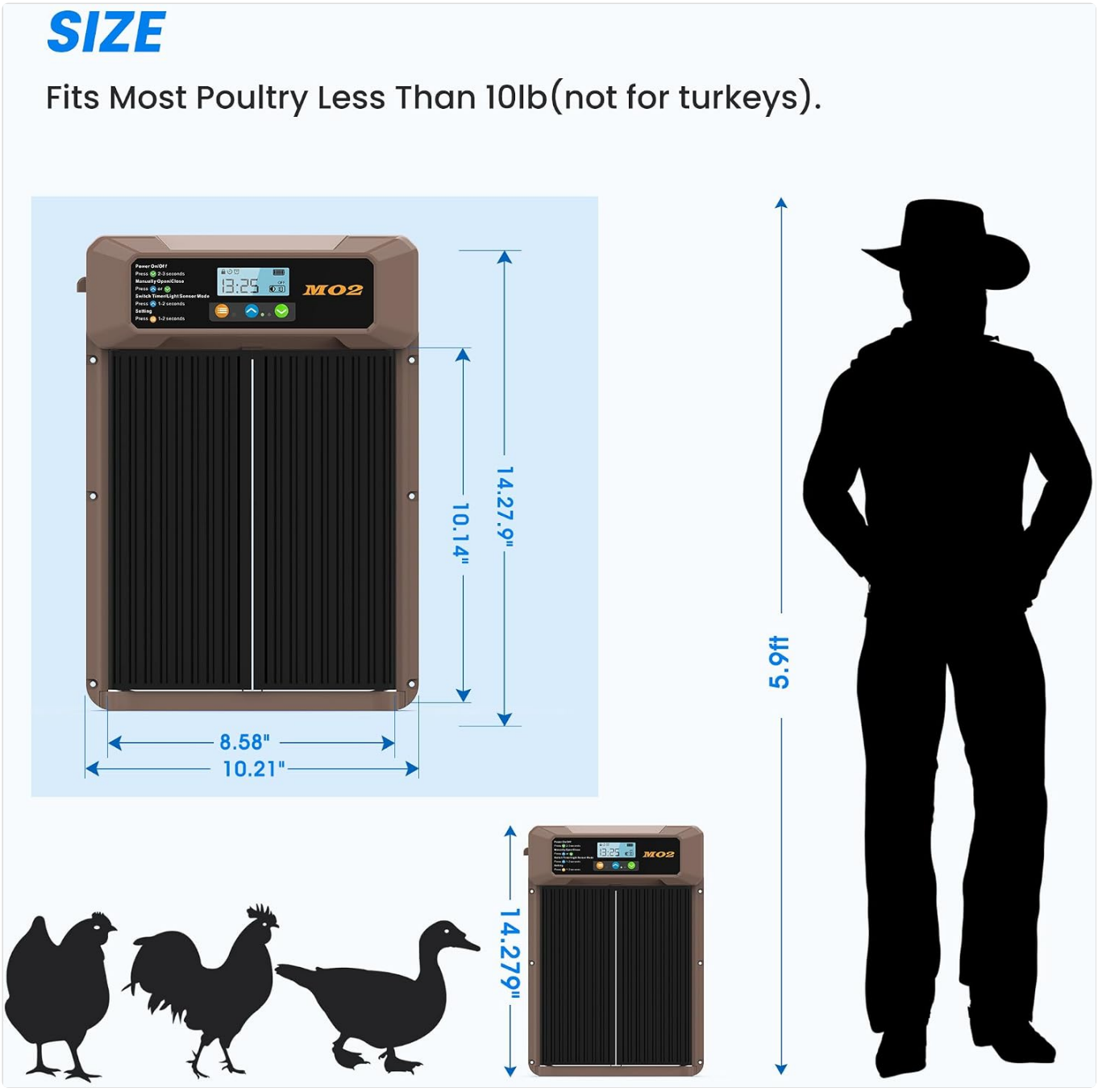


Image 4.1: Detailed dimensions of the Nusican M02 Automatic Chicken Coop Door.

5. Setup and Installation

Follow these steps to install your automatic chicken coop door:

1. **Prepare the Installation Area:** Choose a flat, vertical surface on your chicken coop. Ensure there is enough space for the door to open and close freely.
2. **Mark and Drill Holes:** Use the provided template or measure the door unit to mark the positions for the mounting screws and the opening for the door. Drill pilot holes for the screws and cut the opening for the door.
3. **Mount the Door Unit:** Position the chicken coop door unit over the opening. Secure it to the coop using the provided fixing screws. Do not overtighten to avoid jamming the door mechanism.
4. **Connect Solar Panel (Optional):** If using solar power, mount the solar panel in a location that receives direct sunlight for most of the day. Connect the solar panel cable to the designated port on the main door unit.
5. **Initial Power-Up:** Connect the USB charging cable to the door unit and a power source to fully charge the internal battery before first use. This ensures the battery is conditioned for optimal performance.
6. **Configure Settings:** Once powered, press the 'Set' button on the LCD screen to begin configuring the operating modes and time settings. Refer to Section 6 for detailed operating instructions.

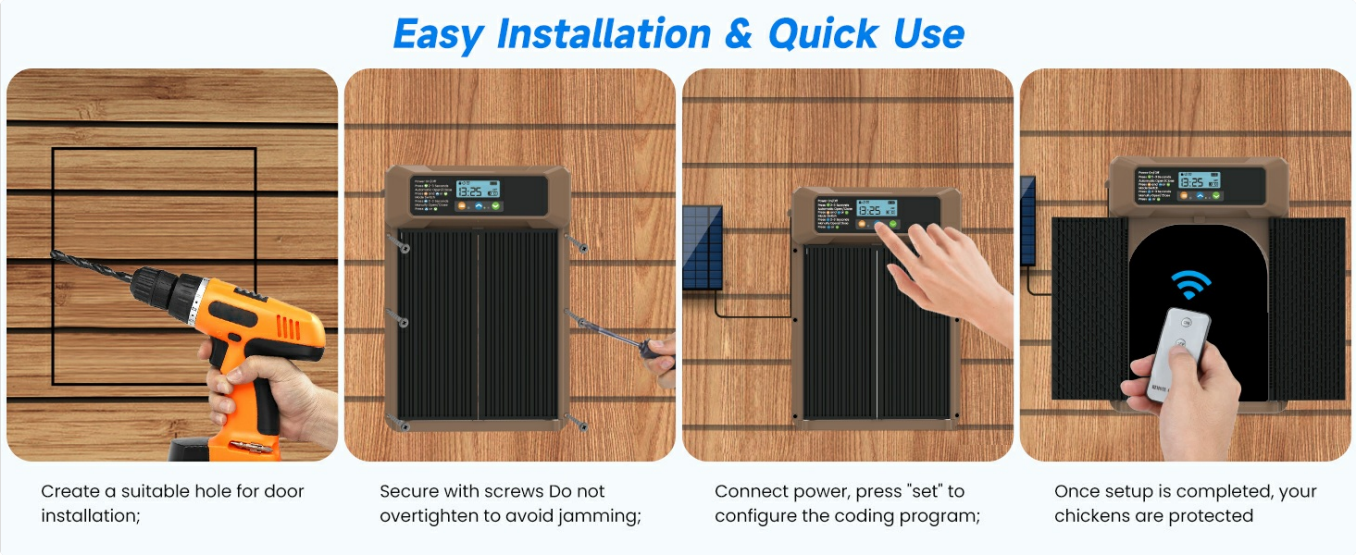


Image 5.1: Visual guide for the installation process, from preparing the opening to final setup.

6. Operating Instructions

The Nusican M02 offers four distinct operation modes for flexibility:

6.1. LCD Screen Overview

The integrated LCD screen displays current time, battery status, and active mode. Use the buttons below the screen to navigate and adjust settings.

- **Power On/Off:** Press and hold for 2-3 seconds.
- **Manually Open/Close:** Press the up or down arrow buttons.
- **Switch Timer/Light Sensor Mode:** Press the mode button (usually indicated by an icon like a clock or sun/moon) for 1-2 seconds.
- **Setting:** Press the 'Set' button for 1-2 seconds to enter setting mode.



Image 6.1: Detailed view of the LCD display and control panel for setting the door's functions.

6.2. Operation Modes

Select the mode that best suits your needs:

1. **Light Sensor Mode:** The door automatically opens at dawn and closes at dusk based on ambient light levels. This mode is ideal for natural light cycles.
2. **Timer Mode:** Set specific opening and closing times for the door. This provides precise control over your poultry's schedule.
3. **Manual Mode:** Use the physical buttons on the door unit to open or close the door as needed.
4. **Remote Control Mode:** Operate the door remotely using the provided remote control. Effective range is up to 10 meters (33 feet).



Image 6.2: Overview of the four available operating modes for the automatic chicken coop door.

7. Power Options

The device offers three power supply methods:

- **Solar Power:** The included solar panel charges the internal battery, providing an environmentally friendly and economical power source. Ensure the solar panel is positioned for maximum sun exposure.
- **Rechargeable Battery:** A built-in 3000mAh battery provides reliable backup power. A full charge can last up to 90 days, ensuring operation even in varied weather conditions or remote locations. The battery is not removable.
- **DC Charging Cable:** Use the provided USB charging cable to charge the device via a standard USB power adapter (not included). This is suitable for indoor coops or when solar power is insufficient.



Image 7.1: Illustration of the three power supply methods for the chicken coop door.

8. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your chicken coop door:

- **Cleaning:** Use the provided cleaning brush to regularly remove dirt, dust, and debris from the door panels and tracks. Ensure the light sensor is clean for accurate operation.
- **Battery Care:** If primarily using solar power, periodically check the battery indicator on the LCD screen. If the battery level is consistently low, consider charging it via the DC cable, especially during prolonged cloudy periods or winter months.
- **Inspection:** Periodically inspect the door for any signs of wear or damage. Ensure all screws are tight and the door operates smoothly.
- **Winterization:** In extreme snowstorms or very cold conditions, it is recommended to install the door inside the coop to protect it from heavy snow accumulation and ensure reliable operation.

9. Troubleshooting

If you encounter issues with your chicken coop door, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Door does not open/close	Low battery; Obstruction; Incorrect settings; Extreme cold.	Fully charge the battery. Check for debris in the door path. Verify timer/light sensor settings. Ensure operating within temperature range.
LCD screen is off or flickering	Low battery; Extreme cold.	Charge the battery. Move the unit to a warmer environment if temperatures are below operating range.
Door closes on poultry	Anti-pinch sensor malfunction; Rapid movement of poultry.	Ensure the anti-pinch sensor area is clean. Observe door operation to understand poultry behavior. The door is designed to gently tap to encourage movement.
Time setting is inaccurate	Internal clock drift; Power interruption.	Re-sync the time settings via the LCD screen. Ensure consistent power supply.
Remote control not working	Remote battery low; Out of range; Interference.	Replace remote control battery. Ensure you are within 10 meters of the door. Reduce potential signal interference.

If the problem persists after attempting these solutions, please contact customer support.

▶ **Watch video online**

Video 9.1: A demonstration of the chicken coop door's functionality. This video is provided by a customer and is for illustrative purposes only.

10. Warranty and Support

10.1. Warranty Information

This Nusican M02 Automatic Chicken Coop Door comes with a limited warranty. Please retain your proof of purchase for warranty claims. The warranty period is typically 1 year from the date of purchase, covering manufacturing defects under normal use. Damage resulting from improper installation, misuse, neglect, or unauthorized modifications is not covered.

10.2. Customer Support

For any questions regarding installation, settings, troubleshooting, or warranty claims, please contact our customer service team. We provide 24/7 after-sales support to assist you.
Contact Information: Refer to your product packaging or the official Nusican website for the most current contact details.

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