MASTERFUN JSM19BK

MASTERFUN Automatic Solar Chicken Coop Door JSM19BK Instruction Manual

Introduction

The MASTERFUN Automatic Solar Chicken Coop Door (Model JSM19BK) provides a reliable and convenient solution for managing your chicken coop. This manual outlines the installation, operation, and maintenance procedures to ensure optimal performance and the safety of your poultry.

Key Features:

- Wireless Remote Control with 120m range and real-time status display.
- 120° Motion Detection and Predator Alert system.
- Intelligent Anti-Pinch Protection for poultry safety.
- Triple Power System: Solar, USB, and removable 5000 mAh battery.
- Space-saving roll-up design and robust weather resistance.

Package Contents

Before installation, please ensure all components are present:

- Automatic Chicken Coop Door Unit
- Solar Panel (7W)
- Wireless Remote Control
- 5000 mAh Removable Battery
- USB Cable
- Reset Pin
- Mounting Screws (x12)
- User Manual



Figure 1: Package Contents and Dimensions. The image displays the chicken coop door unit with dimensions (240mm/9.4in width, 340mm/13.4in height, 200mm/7.9in depth), a 7W solar panel, the remote control, and all accessories.

Setup and Installation

Follow these steps for proper installation and initial setup:

1. Mounting the Door Unit

- Select a suitable location on your chicken coop for the door unit.
- Use the provided mounting template to mark drill holes.
- Securely attach the door unit using the supplied screws.**Important:** Do not overtighten the screws, as this can impede the smooth roll-up operation of the door. The door needs a slight clearance to move freely.
- Install the solar panel in a location that receives maximum direct sunlight throughout the day. Connect it to the door unit.



Figure 2: Easy Installation. The image shows the door unit being installed on a chicken coop, emphasizing the use of a mounting template and the solar panel connection.

2. Powering On and Pairing

- **Door Unit:** Insert the removable 5000 mAh battery. Press and hold the power button until the blue indicator light illuminates.
- **Remote Control:** Press and hold the power button to turn it on.
- **Pairing:** On the remote control, press and hold the pairing button until the pairing icon appears on the screen. Simultaneously, use the reset pin to press the reset hole on the door unit. The blue light on the door unit should turn off, and the signal icon on the remote should remain lit, indicating successful pairing.



Figure 3: Power On and Pairing. This graphic illustrates the steps to power on the door and remote, and how to pair them for wireless communication.

Operating Instructions

1. Wireless Remote Control

The wireless remote control allows you to operate and monitor the chicken coop door from a distance of up to 120 meters, even through walls. No Wi-Fi is required for its operation.

- Use the designated buttons on the remote to manually open or close the door.

- The LCD screen provides real-time status updates, showing if the door is open, closed, or if an error has occurred.
- Monitor the battery levels of both the door unit and the remote control directly on the screen.

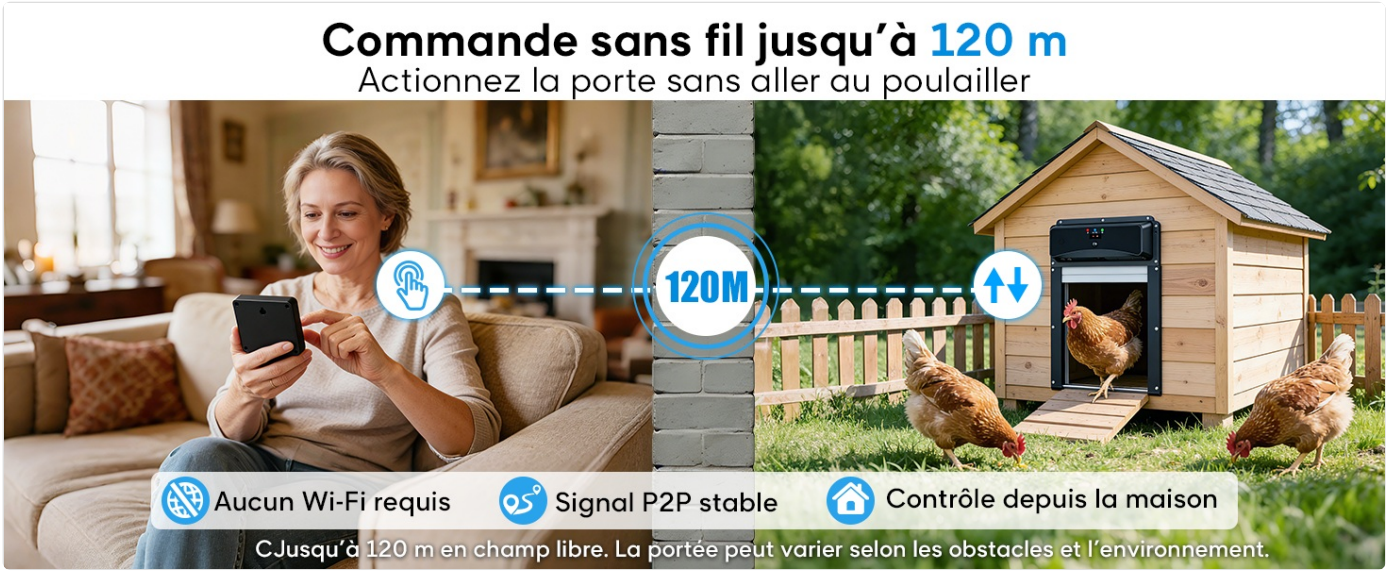


Figure 4: 120m Wireless Control. This image demonstrates the long-range wireless capability of the remote control.



Figure 5: Real-time Status Display. The remote's screen provides immediate feedback on the door's operational status and battery levels.

2. Automatic Timer Function

Program the door to open and close automatically at specific times each day.

- Access the timer settings via the remote control.
- Set your desired opening time (e.g., 6:00 AM) and closing time (e.g., 7:00 PM).
- Once set, the door will operate according to this schedule daily, providing a hands-free routine for your chickens.



Figure 6: Programmed Opening and Closing. The door automatically manages access to the coop based on set times.

3. 120° Motion Detection & Predator Alert

The integrated 120° motion sensor acts as a guardian for your coop, detecting potential threats.

- If an animal or intruder approaches the coop within the 120° detection zone, the door unit will trigger an audible deterrent alarm.
- Simultaneously, your remote control will emit an alert, notifying you immediately of any nocturnal visitors or unusual activity.



Figure 7: Real-time Predator Alert. The system provides immediate warnings against potential threats to your poultry.

4. Anti-Pinch Protection

The safety of your chickens is a priority. The door is equipped with an intelligent anti-pinch function:

- If the sensor detects a chicken or any other obstruction during the closing process, the door will immediately reverse its movement.
- It will then wait for 10 seconds before attempting to close again. This retry process occurs up to 4 times.
- If the obstruction remains after 4 attempts, an alarm will sound on both the door unit and the remote control.
- The closing force is designed to be gentle, ensuring safe operation even for small chicks.



Figure 8: Anti-Pinch Protection. This graphic demonstrates how the door detects and reacts to obstructions during closing to prevent injury.

Maintenance

1. Power System and Charging

The door unit is equipped with a versatile power system to ensure continuous operation:

- **Solar Charging:** The high-efficiency solar panel continuously recharges the removable 5000 mAh battery during daylight hours.
- **USB Charging:** The battery can also be charged via a standard USB cable for convenience.
- **Direct Battery Charging:** The battery can be easily removed and charged directly.

The remote control battery offers up to 30 days of autonomy after a full 3-hour charge.



Figure 9: Triple Power System. The door unit can be charged via solar, USB, or by directly charging the removable battery.



Figure 10: Remote Control Charging. The remote offers long battery life after a short charging period.

2. Weather Resistance and Durability

The MASTERFUN chicken coop door is built to withstand various outdoor conditions:

- Constructed from robust ABS material, resistant to wear and tear.
- Operates effectively in temperatures ranging from approximately -15°C to 60°C.
- Features IP67 waterproofing, providing protection against rain and moisture.
- UV protection and anti-scratch properties ensure long-term durability and appearance.



Figure 11: Designed for Outdoor Use. The door is built to endure diverse environmental challenges.

3. General Cleaning

To maintain optimal performance, periodically clean the solar panel and the door mechanism. Use a soft, damp cloth to wipe away dust and debris. Avoid using harsh chemicals or abrasive materials.

Troubleshooting

If you encounter any issues, refer to the following troubleshooting steps:

Problem	Solution
The remote control and timer are not functioning.	Ensure the remote control is correctly connected to the door unit. The blue indicator light on the door should be off, and the signal icon should be visible on the remote's screen.
The door is blocked or not opening/closing correctly.	Check if the mounting screws were overtightened during installation. Excessive tightening can affect the roll-up movement and cause a blockage. Loosen the screws slightly, then retest the door.
The door is not opening or closing at the programmed time.	**A1:** Verify that the real-time clock on the remote control matches your local time. **A2:** Ensure the alarm icon on the screen is not flashing, as this generally indicates an interruption due to a low battery level.
The remote control emits a beep for approximately 20 seconds at night.	Check the remote control screen. If an obstacle status icon or alarm icon is active, it means a predator or another object may have triggered the sensors.



Figure 12: Troubleshooting Steps. A visual guide to resolving common operational issues.

Specifications

Feature	Detail
Brand	MASTERFUN
Model Name/Number	JSM19BK
Product Dimensions (L x W x H)	24L x 8W x 34H centimeters
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Features	120° Motion Detection, Anti-Pinch Function, Roll-up Door, 120m Wireless Remote Control, Solar Power

Feature	Detail
Included Components	Automatic Chicken Coop Door, Solar Panel, 5000 mAh Removable Battery, Wireless Remote Control
Target Species	Chicken
Recommended for Breed Size	All species sizes
Operating Temperature	-15°C to 60°C
GTIN/UPC	797093370553

Warranty

This MASTERFUN Automatic Solar Chicken Coop Door (Model JSM19BK) comes with a**2-year warranty** from the date of purchase. Please retain your proof of purchase for any warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Support

For further assistance, technical support, or inquiries regarding your MASTERFUN Automatic Solar Chicken Coop Door, please refer to the contact information provided with your purchase documentation. You may also visit the official MASTERFUN website for additional resources and FAQs.

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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