

## CLUCKTECH AUTO1CHK

# CLUCKTECH Automatic Chicken Coop Door with Camera and Solar Power

Model: AUTO1CHK - Instruction Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CLUCKTECH Automatic Chicken Coop Door. This product is designed to provide automated and secure access for your poultry, featuring a 1080p camera, solar power, app remote control, and predator deterrence. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the device.

## 2. PRODUCT COMPONENTS

Verify that all components listed below are present in your package:

- Automatic Chicken Coop Door (with integrated camera)
- Solar Panel
- 4-meter Charging Cable (USB Type-C)
- Lithium Battery (pre-installed or separate)
- Standard Battery (AAA, included)
- Remote Control
- Mounting Hardware

# Inside the Box

## Complete Set



**Figure 2.1:** This image shows the complete set of components included in the box: one solar panel, one 4-meter charging cable, one lithium battery, one standard battery, one remote control, and one automatic chicken coop door.

### 3. INSTALLATION GUIDE

Follow these steps for proper installation of your automatic chicken coop door:

- 1. Mark Dimensions:** On the inside of your chicken coop door, mark the desired width and height for the automatic door opening. Ensure sufficient space for poultry to pass through comfortably.
- 2. Cut Opening:** Using appropriate tools (e.g., a saw), carefully cut out the marked door area. Ensure edges are smooth to prevent injury to poultry.
- 3. Mount Door:** Position the automatic door on the chicken coop, aligning it with the cut opening. Secure it firmly using the provided screws and mounting hardware.
- 4. Attach Solar Panel:** Attach the black mount to the solar panel. Screw it into a location near the coop that receives ample sunlight throughout the day. Connect the solar panel cable to the automatic door.
- 5. Optional Wired Power:** Alternatively, or in addition to solar power, plug the 13-foot black charging cable into a Type-C charger (not included) and connect it to the door for continuous power.
- 6. Power On:** Locate and turn on the power switch on the automatic door.



Figure 3.1: A six-step visual guide for installation: 1. Mark door dimensions, 2. Cut the opening, 3. Mount the door, 4. Attach and link the solar panel, 5. Optionally plug in with a Type-C charger, 6. Turn on the power switch.

## 4. OPERATING INSTRUCTIONS

The CLUCKTECH Automatic Chicken Coop Door offers multiple operating modes for flexibility:

- **App Control:** Download the dedicated app (iWFEye for short-range hotspot connection or iWFCam for remote Wi-Fi network connection). Connect the door to your smartphone via the app to control opening/closing, set schedules, and monitor the camera feed.
- **Timer Mode:** Set specific opening and closing times through the app. The door will automatically operate according to your programmed schedule.
- **Manual Control:** The door can be manually opened or closed using the physical buttons located on the unit itself.
- **Remote Control:** Use the provided remote control to open or close the door from a distance of up to 95 feet. This can also be used to activate the alarm.

# Easy to Install & Use



**Figure 4.1:** This diagram outlines the four operational modes: 1. App Control (iWFEye for short-range, iWFCam for remote), 2. Timer Mode for scheduled opening/closing, 3. Manual Control via the door's buttons, and 4. Remote Control using the provided remote.

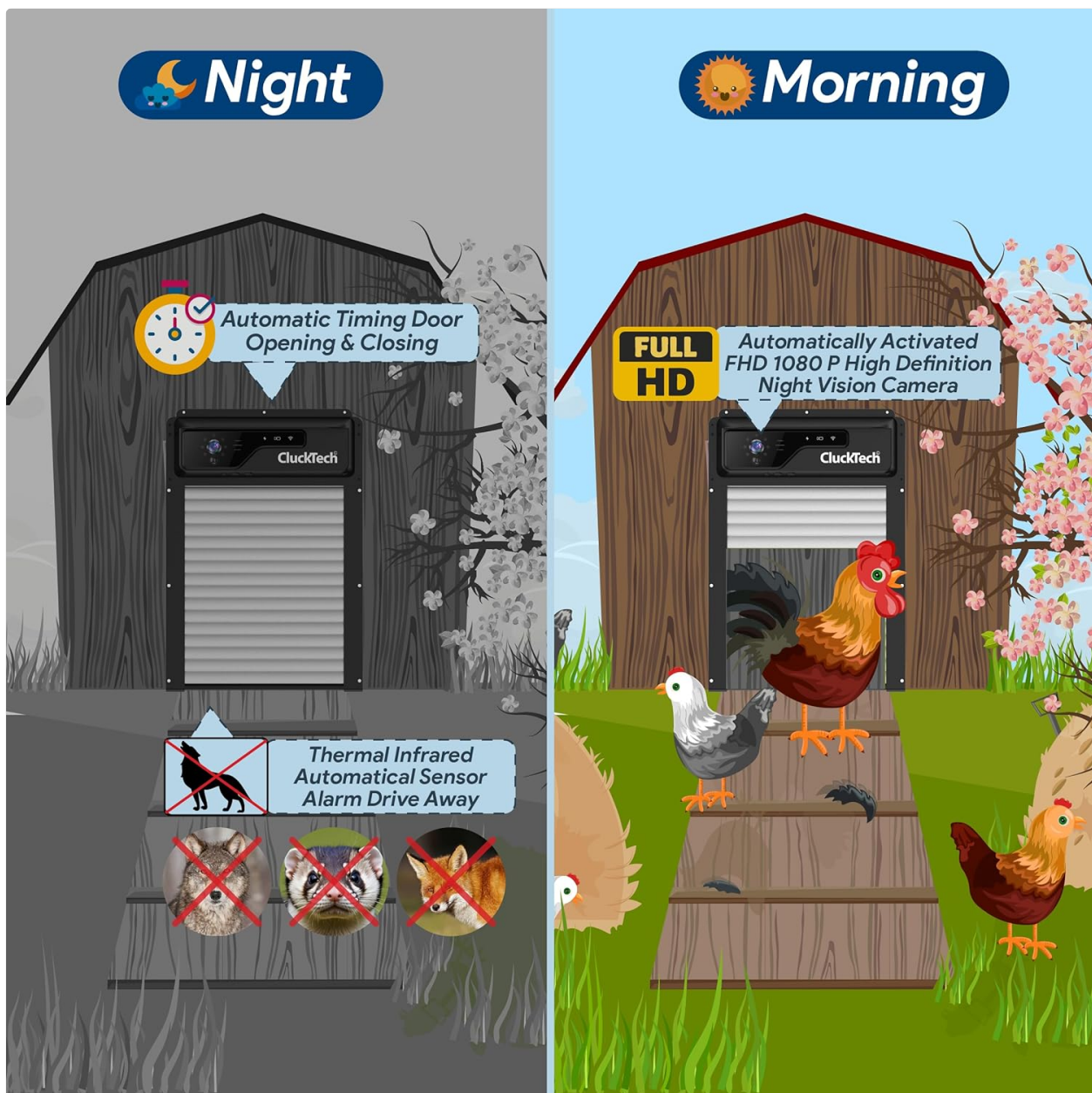
## 4.1. Camera and Monitoring

The integrated 1080p HD camera features 6 night vision lights and a 125° wide-angle lens, allowing for comprehensive monitoring:

- **Live Video:** Monitor your poultry in real-time directly from your mobile phone via the app.
- **Recorded Footage:** Access recorded footage via the app using a memory card (not included).
- **Night Vision:** The camera provides clear visibility even in low-light conditions, ensuring continuous monitoring.



**Figure 4.2:** This image displays the CLUCKTECH Automatic Chicken Coop Door, highlighting its integrated 1080p camera, solar panel for power, remote control, and a smartphone screen showing live feed from the camera. Several chickens are visible near the door.



**Figure 4.3:** This diagram illustrates the door's functionality: at night, it shows automatic timing for opening/closing and thermal infrared sensors for predator detection. In the morning, it highlights the automatically activated FHD 1080P high-definition night vision camera.

## 4.2. Power and Charging

The door is designed for flexible power options:

- **Solar Powered:** The included solar panel charges the internal 5000mAh high-efficiency battery, providing sustainable power.
- **Plug-in Capability:** For consistent performance or during prolonged periods of low sunlight, the door can be plugged in using the provided charging cable and a Type-C charger.
- **Battery Backup:** The 5000mAh battery ensures functionality even during power outages or insufficient solar charging.

## 4.3. Safety Features

The CLUCKTECH door incorporates features to protect your poultry:

- **Automatic Anti-Clip Feature:** If the door encounters an obstruction while closing, it will automatically reverse. After a 3-second pause, it will attempt to close again, repeating the cycle every 3 minutes until clear.
- **Predator Deterrence:** The remote control allows manual activation of an alarm to scare off predators. Advanced infrared sensors automatically start recording and send alerts upon detecting movement, ensuring poultry protection.

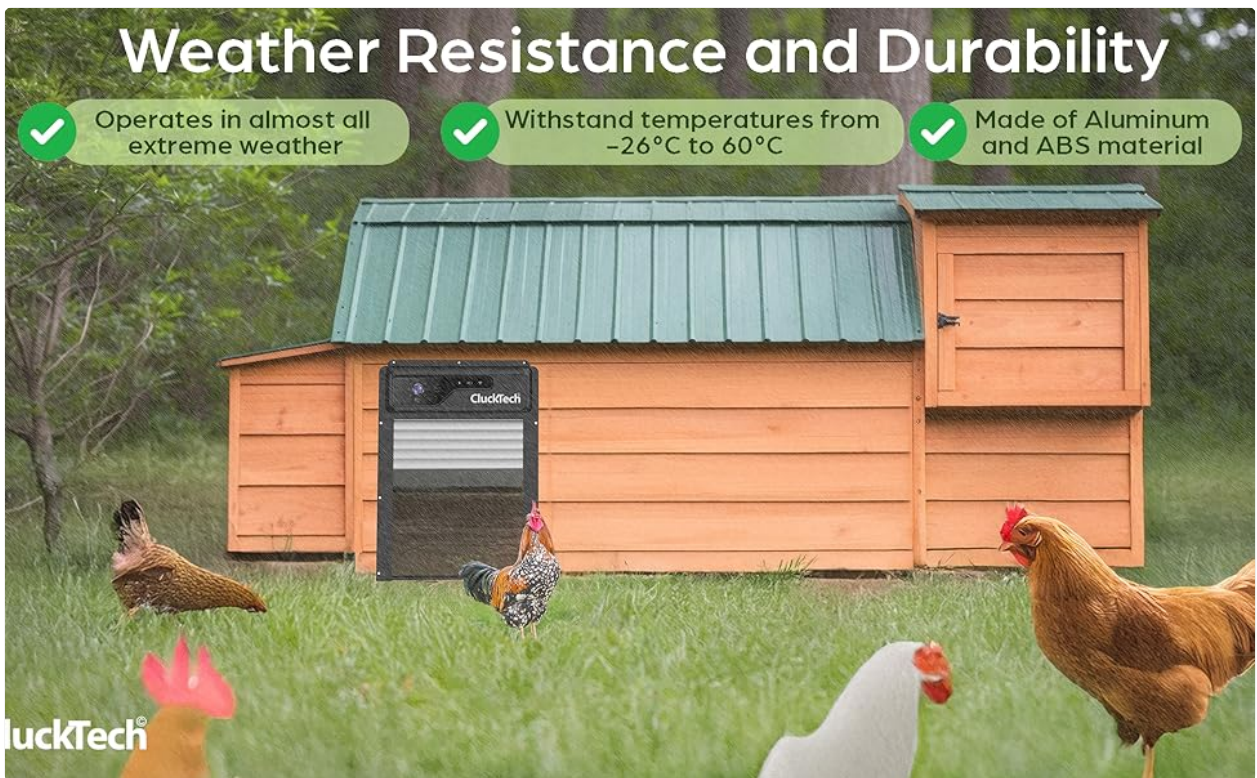


Figure 4.4: This image demonstrates the anti-pinch sensor: if an obstruction (like a chicken) is detected during closing, the door automatically stops, rolls back, and attempts to close again after five seconds.

#### 4.4. Connectivity Options

Choose the appropriate WiFi connection method based on your needs:

- **WiFi Hotspot Version (iWFEye):** Recommended for short-range connections or if your home WiFi signal is weak at the coop location. This creates a direct connection to the camera's hotspot.
- **WiFi Network Version (iWFCam):** For remote access and control, connect the door to your home WiFi network. A WiFi repeater can enhance signal strength if needed.

## 4 Working Modes

### 1. App Control

**iWFEye**

Point-to-Point  
Short Range  
Version

**iWFCam**


Remote  
Control  
Version

### 2. Timer Mode

Set your specific time to open and close the automatic chicken coop door.

### 3. Manual Control

### 4. Remote Control



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If there is any operation is not clear, please refer to the manual or scan the QR code to refer to the use of video.

Figure 4.5: This image shows two ways to connect the door: 1. iWFCam for syncing with home Wi-Fi, and 2. iWFEye for direct connection with the camera's hotspot.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your chicken coop door:

- **Cleaning:** Periodically clean the door mechanism and camera lens to prevent debris buildup. Use a soft, damp cloth.
- **Battery Check:** Monitor the battery level via the app. Ensure the solar panel is clean and unobstructed for efficient charging.
- **Obstruction Clearance:** Regularly check the door path for any potential obstructions that could trigger the anti-clip feature.

## 6. TROUBLESHOOTING

If you encounter issues with your CLUCKTECH Automatic Chicken Coop Door, consider the following:

- **Door Not Opening/Closing:** Check battery level. Ensure no obstructions are present. Verify timer settings in the app.
- **Camera Connectivity Issues:** Confirm your WiFi signal strength at the coop. Ensure the door is connected to the correct WiFi version (Hotspot or Network). Restart the door and your router if necessary.
- **Alarm Not Activating:** Check app settings for alarm sensitivity and activation. Ensure infrared sensors are clear.
- **Solar Charging Ineffective:** Ensure the solar panel is clean and positioned in direct sunlight. Check cable connections.

For further assistance, refer to the official CLUCKTECH support resources or contact customer service.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	AUTO1CHK
Dimensions (LxWxH)	9.4" x 6.2" x 13"
Item Weight	4.55 pounds
Material	Acrylonitrile Butadiene Styrene (ABS), Aluminum
Camera Resolution	1080p HD
Battery Capacity	5000mAh
Power Source	Solar Powered, Plug-in (Type-C)
Operating Temperature	-26°C to 60°C (-15°F to 140°F)
Special Features	1080p Camera, Night Vision, Remote Control, Solar Powered, Waterproof, Anti-Pinch Sensor
Connectivity	WiFi (Hotspot & Network versions)
Remote Control Range	Up to 95 feet

## 8. WARRANTY AND SUPPORT

The CLUCKTECH Automatic Chicken Coop Door comes with a **1-Year Manufacturer's Warranty** on all components. For customer support, technical assistance, or warranty claims, please refer to the contact information provided with your purchase or visit the official CLUCKTECH website.

Additional resources and video tutorials may be available on the manufacturer's YouTube channel: [Johnson-h4t YouTube Channel](#)