

Chicken Coop Door User Manual



Product specification

Name: Second generation anti-theft chicken door Model: FF-B-109
Size: 14.5*21.5*27.5 cm Net weight: 1.8 kg
Battery: 14500mAh battery (or AC14500) Main material: ABS + aluminum alloy
Charging mode: Charging voltage: 5V, Charging current: 1A/2A, can be charged with solar panel included, USB Type-C charger and power bank. Charging plug is not included.



1. The product applicable temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$.
2. For severe temperatures outside this range, please use manual mode to open and close the door.
3. The product needs to regularly clean up the track and door plate dirt (recommended weekly clean-up). Especially products in the rain and snow after the weather, please be sure to timely clean up the track and the door plate on both sides of the mud and dirt. To prevent the mud and sand adhere to the track and the door plate area, affecting the normal opening and closing of the door.

How to use

1. Installation: Select the location on the chicken coop where the chicken door needs to be placed, and draw the corresponding construction drawing on the wooden beam of the chicken coop according to the size of the product. After finishing all the warning signs, please sign and secure the model with the provided screws.
2. Power on: There is a power switch on the lower right side, which can be turned on by pulling it to the left. Pull to the right to turn off.
3. Set the opening and closing time and local time: The time is displayed in 24-hour format. Short press the setting key (⊙) to set the door opening and closing time, and the corresponding time number on the display screen will flash one by one for each short press of the setting key (⊙). Pressing the up key (▲) or down key (▼) arrow can increase or decrease the time number.
4. Select on mode: The default alarm mode is Timed On/Time Off (T/T). Short press the mode key (⊙) arrow to switch to three other modes: L/L (light sensitivity on/light sensitivity off), L/T (light sensitivity on/time off), T/L (time on/light sensitivity off). It is recommended to select the T/T (time on/time off) mode.
5. Set the opening and closing time or light sensitivity value: After entering the mode, press the setting key (⊙) briefly to set the opening and closing time or light sensitivity value (W). The corresponding number on the display screen will flash one by one for each short press of the setting key (⊙). Pressing the up key (▲) or down key (▼) arrow can increase or decrease the number. The setting of light sensitivity value (W) can refer to the power light sensitivity value (★).
6. After setting the time for 5 seconds, the number will no longer flash and the machine will enter the normal door opening and closing mode. If no buttons are touched within 40 seconds, the display screen will turn off and the machine will enter power saving mode. Note: The door opening light sensitivity value (★) is greater than the door closing light sensitivity value (★).
7. Power off mode: When the product runs out of power due to unreasonable factors, and there needs to press the emergency stop button (the button on the left side of the front of the power switch), and the other hand needs to turn the knob on the left side of the front of the door to open and close the door. Clockwise rotation is used to close the door, and counter-clockwise rotation is used to open the door.
8. Long press the mode key (⊙) for 3 seconds to initialize the value, and the set local time will be unchanged. When in manual (T/T) and the door opening and closing time is set to the same time, the machine will default to manual door opening and closing mode or remote door opening and closing mode.

9. Manual door opening and closing: When the setting key (⊙) is not touched, press the up key (▲) or down key (▼) arrow on the right side of the display screen directly to rotate the door clockwise or counterclockwise. During the process of opening or closing the door, pressing the up or down arrow keys again will stop the door from turning. You can also press the up key (▲) and down key (▼) arrows on the remote control to perform the corresponding operation of opening and closing the door.
10. Use of remote control: Within a range of less than 10 meters from the machine, when press the up and down arrow keys on the remote control to open and close the door. Short press the alarm mode button (★) once, and the machine will sound twice (beep) to activate the alarm function. Short press the alarm mode key (★) twice, and the machine will sound once (beep) to turn off the alarm function.
11. Emergency locking: The product itself has an anti-theft function. If you need to make the running door emergency stop, immediately press the up key (▲) or down key (▼) arrow keys once.
12. Locking of door stick: If the door is stuck and cannot move, the stick foreign object can be cleaned and removed manually by pressing the up or down arrow. After the beeping warning, call back the opening and closing time, and the door will automatically close or open at the designated time.
13. Shutdown: When the machine is not used for a long time, the power must be turned off, and the power switch is located below the right side of the host.
14. Low battery warning: The door adheres to the battery, low frequency. When the battery level is low, the battery symbol (⊙) in the upper right corner of the display screen will flash when it lights up. When the display screen is off, the machine will send a beeping alarm sound, which lasts for 3 seconds. After stopping the beeping, please check the charging status of the solar panel in a timely manner. If there is a charge properly, please secure the lighting direction of the solar panel. If the solar light intensity is not enough, you can unplug the charging cable of the solar panel and use a USB Type-C or higher charge to charge the machine, to avoid affecting the normal use of the door due to power issues.

Performance introduction

1. Three operating modes: timed or light sensing automatic door opening and closing mode, manual door opening and closing mode, and power off door opening and closing mode.
2. Anti-pinch function: The machine is equipped with a blockage recognition function (O). When a chicken is caught during the door closing process, the door will automatically stop closing to prevent injury or death to the chicken or animal. The specific operation mode is as follows: When the door is about to close during the closing process, the machine will automatically recognize the obstacle, and the door will rotate for about 3 seconds, remaining still only for 10 seconds. Rotate the door again after 10 seconds, and if any obstacles are removed, the door will be completely closed. If the obstacle cannot be removed, the door will repeat the same steps three times and stay in the stuck area. If the door fails to close properly, it will be opened again every two hours, and the above procedure will be repeated until the opening time is reached or the light control function is activated.
3. Door opening exception handling: If an obstacle appears when the opening angle is less than 60° during the door opening process, the door will sound an alarm for 90 seconds. After half an hour, the door will attempt to open again. This process is detected four times, and the fourth time it will remain in its original position, assuming that the door is successfully opened.
4. Abnormal door opening and closing alarm function:
 - (1) If the door cannot be closed properly (stuck), the red light will continue to flash, and the alarm will sound twice. The warning sound (beeping every 1 second) keeps every two hours for 30 seconds until the door is closed.
 - (2) After closing the door, external force forces the door to open (such as children opening the door, etc.). Will continue a flash red light alarm and emit continuous beeps. The alarm sound (without interval) will beep every half hour for 30 seconds until the door is closed.
5. Multi-plug charging methods: It is equipped with high-performance 3.3W or 7W solar panels as standard, and a 3-meter USB Type-C charging cable, making it convenient to move the solar panels for efficient energy storage. You can also use a standard USB Type-C adapter or portable power supply to charge the machine.
6. Remote control function: The product is equipped with a remote control, which can remotely open and close doors and set abnormal door opening and closing alarm functions. The remote control distance can reach about 10 meters.

Suggested Use

1. When installing the Chicken Coop Door, install it perpendicular to the ground, and tighten the screws firmly. The installation or removal screws will affect the normal operation of the product.
2. To avoid abnormal operation of the chicken door, please clean foreign dust or oil products around the door regularly.
3. When installing the solar panel, it should be facing the sunlight to avoid dust or oil products blocking the sunlight, but also often adjust the orientation of the solar panel, so that the solar panel maximizes the absorption of solar energy.

Tips:

1. Please read the user manual carefully before using the product for the first time.
2. When uninstalling or replacing a chicken door, to prevent interference with the remote control, you can choose to pull the remote control. Before pulling, please mark the police remote control. The pulling method for the remote control is as follows: long press the mode button (⊙) of the chicken door, and at the same time turn on the power switch (⊙) to enter locking mode (the beeping light gradually flashes red). Then, slowly and gently pull down the door open button and door close button of the remote control for 3 seconds to pull. After successful pulling, the flashing and beeping light will turn into a solid light and flash for 2 seconds, before turning off to indicate a successful pulling. If there is no response within 10 seconds, it will automatically stop pulling mode.
3. Before use, observe the display screen to see if there is enough battery (the battery icon in the upper right corner of the screen flashes when the battery is low). If the battery is low, please fully charge it before use. If the product is not used for a long time, please turn off the power switch. Charge the battery every 2-3 months to ensure its safety.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in portable exposure condition without restriction.