



User manual



PREPARATION

CONFIRM THAT THE SPACE IS LARGE ENOUGH

Before installing/assembling, make sure that you have enough space at the place of the intended installation/assembly. The required place that you need to mount the appliance is 546 × 456 mm (l × h).

PARTS NEEDED FOR INSTALLATION

1. Four AA alkaline batteries (Not included, Don't use rechargeable batteries).
2. 4 PCS M5 Tapping screw (Or 4 PCS Thumb Nut kit).
3. Positioning cardboard

PARTS NEEDED FOR INSTALLATION

1. Screwdriver
2. Pencil
3. Power drill
4. Jigsaw/keyhole hand saw

RECOMMENDED SAFETY ITEMS

1. Safety goggles
2. Protective gloves

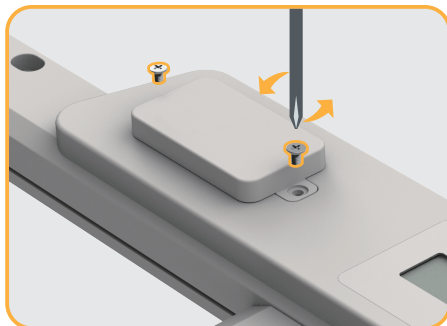
ABOUT BATTERY

The door has a built-in lithium battery, which is powered by the solar panel and forms a dual power supply system with AA batteries. Due to long-term transportation, the lithium battery may run out of power. It will be charged by solar panels during the day.

INSTALLATION

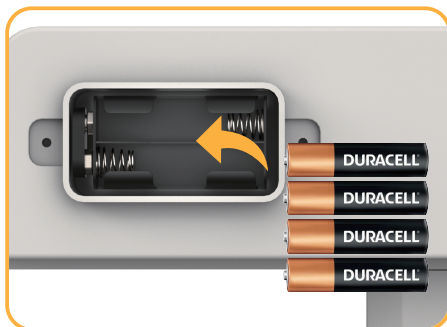
1

Use a screwdriver to unscrew the two screws that secure the battery cover.



2

Remove the battery cover and place 4 × AA alkaline batteries inside (Don't use rechargeable batteries). Then close the battery cover and tighten the screws.

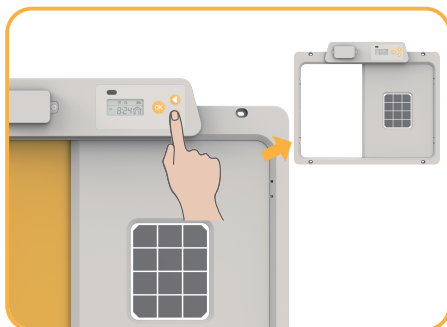


3

Press and hold **OK** for 2s to turn on the device.

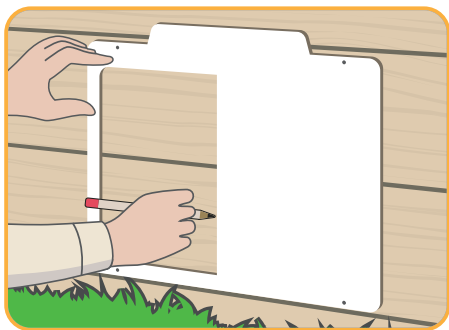
Press **▶** (the right button) to see if the door is open and running.

If you need to reverse the door, please refer to the installation Guide on page 5.



4

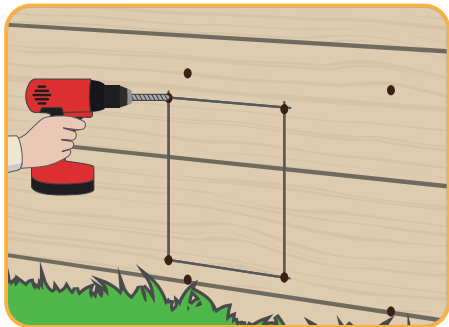
Confirm whether the holes of the positioning cardboard and the door are aligned. If there is any deviation, refer to the door. Position the cardboard where the door will be installed and mark the sides of the opening and the screw holes.



5

Drill holes for the four screw, and drill the corresponding hole size according to the type of screw you plan to use.

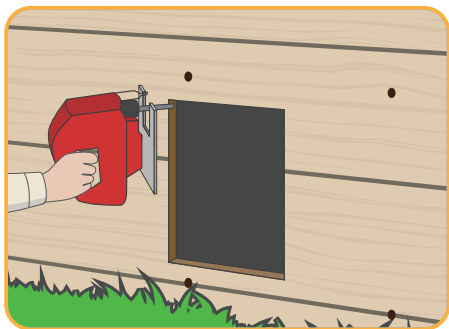
- Drill 3.5mm holes for **Tapping screws**.
- Drill 6mm holes for **Thumb Nut kit**.



Drill holes in the marked corners to make it easier to use a jigsaw to cut out the door from the hole.

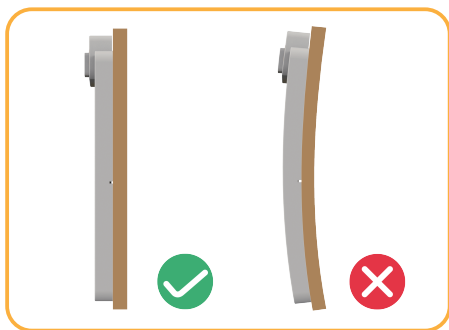
6

Use a jigsaw to saw off the opening by connecting the hole.



7

Before installing the door, please make sure that the installation surface of the door is flat and do not bend the door panel.



8

For tapping screw:

Put the door in the position to be installed, and screw in the Tapping screws gently.

Do not overtighten the screws or the rails will be crushed and the door will not move!

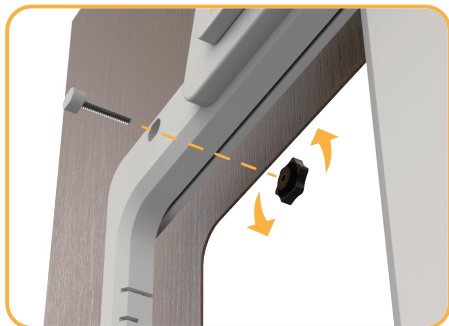


Tapping screw

For Thumb Nut kit

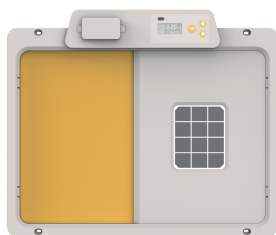
Place the door in the corresponding position on the wall, pass the screws through the holes in the door and the wall, and lock it by hand-tightening the Thumb Nut on the back.

After installation, press ◀ / ▶ to test the door opening and closing.

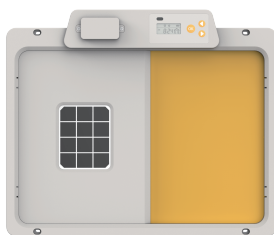


Thumb Nut kit

Reverse install (Optional)

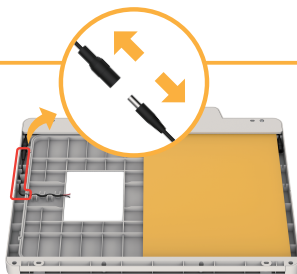


DOOR ON THE **LEFT**



DOOR ON THE **RIGHT**

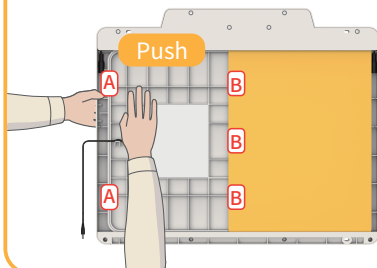
Reverse installation is applicable in some cases. For example, there is insufficient space on the right side of the chicken house doorway to install the door.



1

Make sure the door is closed, as shown in the picture.

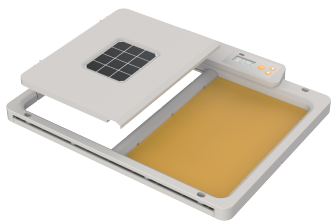
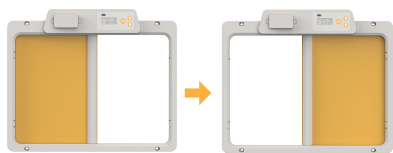
Move the wire (in the red frame) out and unplug the DC connector.



2

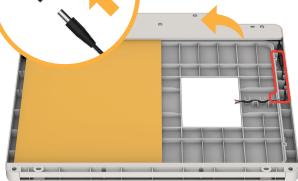
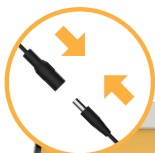
Slowly push the removable panel on the left side to release the two buckles. Then remove the three buckles on the right side.

Please stay away from the AB position or wear gloves to avoid possible scratches.



3

Press the  button to move the door to the right, align the removed panel to the left and press to make sure all the buckles are fastened.



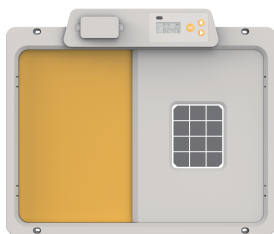
4

Connect the DC port and snap the wires into the slots in the red frame, making sure there are no raised wires that would prevent the door from running.

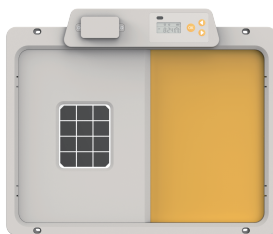
After the above reverse installation operation is completed, you need to set it up to tell the system that you have reversed the door. See the next page for detailed settings.

When using cardboard to make holes, please adjust the cardboard to the correct position.

Left/Right position setup (Optional)



DOOR ON THE **LEFT**



DOOR ON THE **RIGHT**

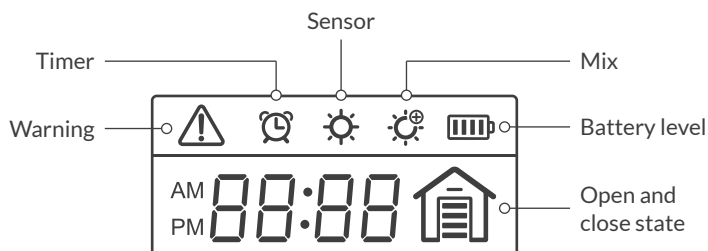


This setting will only be used after performing the Reverse Install on pages 5 and 6, please note.

Press and hold the ◀ or ▶ button for 2 seconds to enter the door left / right position setting interface. The default door position is on the left (the icon on the left flashes)

Press the ◀ / ▶ button to make the right icon flash, press the OK button to confirm and exit the setting.

SETUP



OK



LEFT



RIGHT



Open state



Opening



Close state



Closing

DEFAULT MODE

The door automatically works on DEFAULT MODE if not configured differently by the user. DEFAULT MODE is SENSOR MODE.

The door is powered off by factory default. Install four AA batteries, then press and hold **OK** for 2 seconds to power on.

When the door is powered on, you can press and hold **OK** for two seconds to power it off (Turn off the door when not in use for a long time).

1. SYSTEM TIME SETTING (12/24-HOUR)

1. Press any key to light up the screen, and then press OK to enter the settings.
2. Press ◀ / ▶ to set the time convention, 12-hour or 24-hour. Then press OK to save and enter the current time setting.
3. Press ◀ / ▶ to set the hour when the hour flashes, press OK to save and enter the minute setting.
4. Press ◀ / ▶ to set the minute when the minute flash, press OK to save and enter the next step

【 02 OPENING MODE SETTING 】 .



2. OPENING MODE SETTING

1. The icon ☀ is displayed, and the coop door icon is fully open, as shown below. Press ◀ / ▶ to switch between the various modes, the top icons ⌚ ☀ will also change to indicate the selected mode.
2. Press OK to select the required mode and enter its settings.



This mode is for automatic opening of the coop door in the morning at the time you have set, as shown on the following figure.

Press ◀ / ▶ to set the hour when the hour flashes, press OK to confirm and enter the minute setting.

Press ◀ / ▶ to set the minute . when the minutes flash, press OK to confirm and proceed to the next step.



This mode is for automatic opening of the coop door at dawn using the light sensor, as shown below. The number on the left shows the current ambient light level, and the flashing number on the right is the desired light level you would like to set for opening the door. Press ◀ / ▶ to adjust the flashing value, press OK to confirm and enter the next step. The door will open when the ambient light level reaches the desired light level you have set.



3. After the door opening mode is set, it will go to the next step
【03Closing mode setting】.

3. CLOSING MODE SETTING

1. The icon ☀ is displayed, and the coop door icon is fully close, as shown below. Press ◀ / ▶ to switch between the various modes, the top icons ⌚ ☀ ⚙ will also change to indicate the selected mode.
2. Press OK to select the required mode and enter its settings.





Timer

This mode is for the automatic closing of the coop door at dusk at the time you have set, as shown on the following figure.

Press ◀ / ▶ to set the hour when the hour flashes, press OK to confirm and enter the minute setting.

Press ◀ / ▶ to set the minute. when the minutes flash, press OK to confirm and proceed to the next step.



Sensor

This mode is for the automatic closing of the coop door in the evening /at dusk using the light sensor, as shown below. The number on the left shows the current ambient light level, and the flashing number on the right is the desired light level you would like to set for closing the door. Press ◀ / ▶ to adjust the flashing number to a desired light level, press OK to save and enter the next step. The door will close when the ambient light level reaches the desired light level you have set.



Mix

This mode uses a combination of both Sensor and Timer, when selecting this mode, you will be requested to set the default time first, and the

screen will display 🕒 . Then you will be requested to set the Sensor, and the screen will display ☀️ .

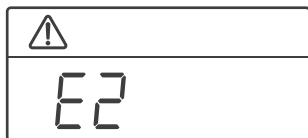
When both are set, the door opener will use the Light Sensor as its primary reference for closing. If it is not dark enough to close using the Light Sensor, the default time you set will be used instead.

3. After the CLOSING MODE SETTING is completed, the screen displays SAVE, indicating the end of the setting up process. After that, the screen will power down in 120 seconds later to save battery.

ANTI-PINCH

This function is designed to prevent your chickens from getting caught when the door automatically closes (This function does not take effect when the door is manually closed).

When the door is automatically closed and it finds that there is something below blocking the door, it will automatically open to the highest point and then close the door to try to remove the obstacle. This attempt is repeated up to three times. If the door is not closed after three attempts, the screen will display “E2” and the light flashes quickly.



If the “E2” appears, and the light flashes quickly, it means that something is preventing the door from closing during the automatic closing process. Please remove the obstacle and then press the OK button to enter the main interface, then the chicken door can work normally according to the previous settings.

Low battery may affect anti-pinch function operation.

USAGE

Read all instructions.

1. Use Four AA alkaline batteries to power the door. Never use rechargeable batteries.
2. If the door has to be stored unused for an extended period, the batteries should be removed.
3. Before installing/assembling the door, make sure that you have enough space at the place of the intended installation/assembly.
4. Installing the device indoors will affect the accuracy of the Sensor and Mix modes.
5. Frequently lighting up the screen will increase battery drain.
6. The screen will always be on when the setting is not completed, and the battery consumption will be high.
7. No matter what mode is set, you can open/close the door manually by pressing  / .
8. During the setting up process, the battery level icon  is not displayed. You can judge whether the setting up is in progress by looking at this icon.
9. The main interface will display the system time and the mode. For example, if the door opening setting is Timer and the closing is Mix, then the main interface will display both the Timer  and the Mix  icons.

10. When the door is opening or closing, the following screen will be displayed until it has finished(When the screen is on).



11. If you'd like to test that the door will open and close using the light sensor, simply choose Sensor mode for both opening and closing. Hold your hand over the sensor for 4 minutes to simulate darkness and the door will close. Remove your hand and the door will open 4 minutes later.

12. If the screen does not light up when pressing any key, please check the battery status.

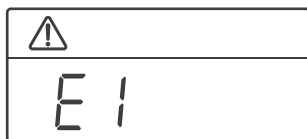
13. If the battery icon  appears, it means your batteries' levels are getting low and you will need to replace them soon.

The solar panel should receive some hours of sun per day for full operation !

14. It's recommend to install the door in a dry place away from any rain. This will prolong the life span of the opener.

15. When there is a lot of dust on your chicken door, please clean it up in time.

16. If the "E1" appears, and the light flashes quickly, it means there is something wrong with the current time. Please reset the current time. If "E1" still appears, please send it back for repair.





TEHNICAL SPECIFICATIONS

Product Name: Automatic chicken coop door A500

Main Material: Aluminum+ASA

Door Weight: 3.8 kg

Door Size: 546 × 456 × 50 mm

Power Supply Mode: 4×AA alkaline batteries(Built-in lithium battery)

Solar panel Voltage: Max 11V

Supply Current: 0.1 mA

Warranty: 1 years



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