

2.4G Digital Wireless video door phone

User Manual



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In order to better fulfill the outstanding function of this product, please read User Manual carefully to grasp the correct way of installation and operation.

1. Introduction

This system operates in the 2.4GHz radio band for wireless transmission of digital audio and video signals. It can be used in apartments, villas, hotels, offices, public buildings etc.

With a fashionable and fresh outlook, the view is clear and sharp. The outdoor camera is easy to install while the indoor monitor does not require any communication wire. You can use the system where the wireless signal can reach, such as dining room, living room, balcony, kitchen and so on. So this is an ideal safety product for modern families.

2. Features

- (1) This system applies 2.4GHz digital frequency hopping and encryption technology. Transmission distance in open terrain is up to about 300meters, robust anti-interference and high degree of confidentiality;
- (2) Outdoor camera integrates a wide-angle lens, with clear night vision;
- (3) The indoor monitor uses a high-definition 3.5 inch digital display screen and monitor. The door can be unlocked by wireless control;
- (4) Hands free call and talk;
- (5) Indoor monitor take pictures automatically or manually, 160 pictures can be stored and browse, can up to 1000 pictures (based memory);
- (6) Standby mode is supported for indoor unit with adjustable volume;
- (7) MiniUSB interface is provided for indoor monitor with replacement rechargeable Lithium battery;
- (8) One outdoor camera can support up to 4pcs indoor monitors and vice versa;
- (9) Compliant with FCC, CE, RoHS standards.

3. Packing list

- (1) Outdoor camera, Please refer to page 4
- (2) Power adapter for outdoor camera

Input: AC 100-240V 50/60Hz Output: DC 12V/1A Wire Length: 150cm



(3) Indoor monitor, Please refer to page 5 and 6

(4) Power adapter for indoor monitor

Input: AC 100-240V 50/60Hz Output: DC 5V/500MA USB Cable Length: 80cm

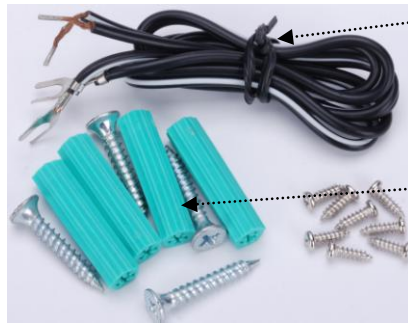


(5) Lithium battery

(6) Screws and expansion bolts for the installation of outdoor camera

(7) Wiring of electric lock (Option)

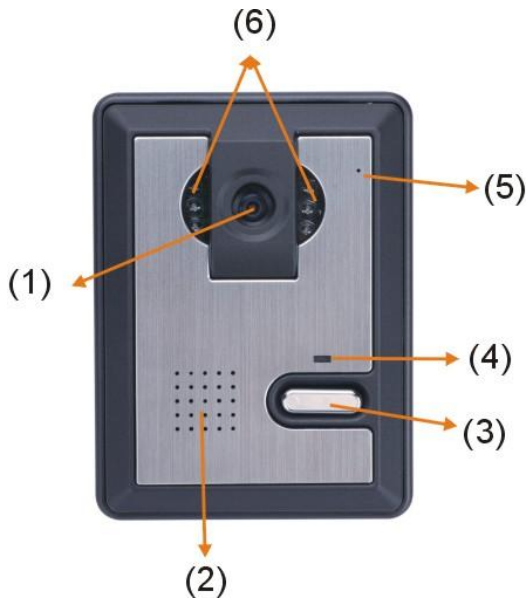
(8) User manual



Wiring of electric lock

Screws and expansion bolts

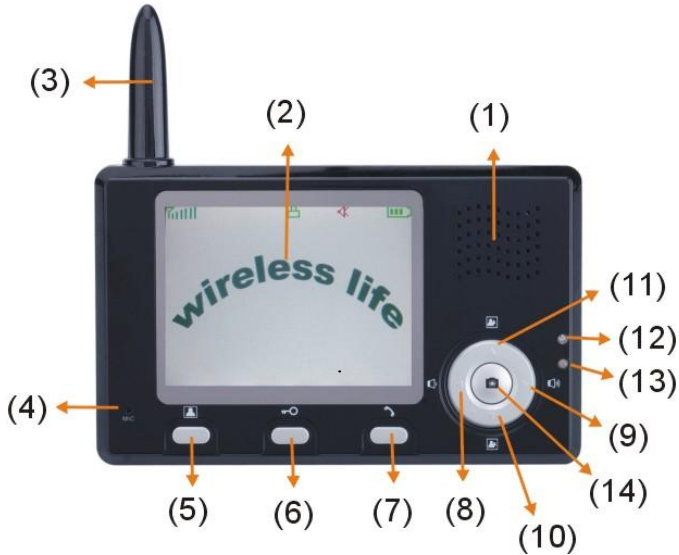
4. Outdoor Camera











Description:

- (1) Camera Lens (CMOS 300k pixel, used to capture the image of visitor and outdoor)
- (2) Speaker (To hear the voice from the owner)
- (3) 'Call' Button (To call the indoor unit by press this button and auto boot the camera)
- (4) Indicating light (if the light is on, it stands for Power on otherwise Power off)
- (5) Microphone (To transfer voice of visitor to indoor monitor)
- (6) Infrared light (Enable to identify visitor in dark circumstance)

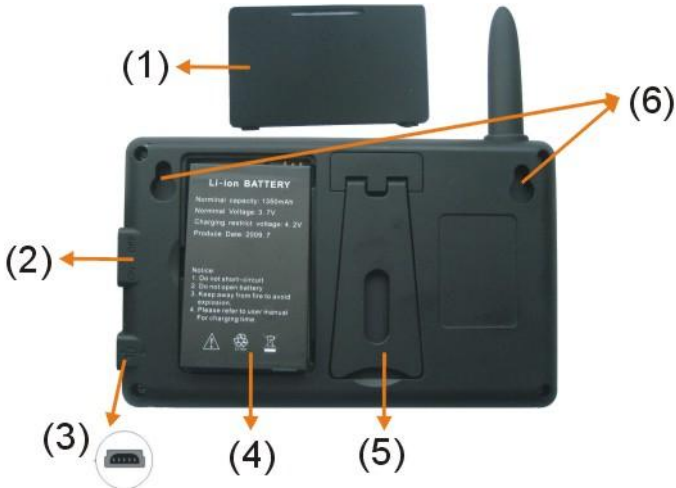
5. Indoor monitor



Description:

- (1) Speaker (To transfer the voice of visitor and “ding dong” sound)
- (2) 3.5 inch digital display screen (To display the image from outdoor camera)
- (3) Antenna (To transfer the signal of voice and unlock operation to the outdoor camera, receive the signal of voice, image and call operation from the outdoor camera)
- (4) Microphone (To transfer the owner's voice to the outdoor camera)
- (5) : Monitor button (To monitor the outdoor circumstance)
- (6) : Unlock button (To control the outdoor camera and open the E-lock)
- (7) : Talk button (Talk to the outdoor camera)
- (8) : (Reduce the volume)
- (9) : (Increased the volume)
- (10) : (Browse next picture)
- (11) : (Browse last picture)
- (12) LED 1: Indicating light (if the light on, it stands for power on, otherwise power off)
- (13) LED 2: Indicating light (the light is red when charging, turn to blue after the fully charge, that did not in the charger if the light is off)
- (14) : Take a picture

Back view of indoor monitor:



- (1) Battery groove (To place the battery)
- (2) ON/OFF (Power switch)
- (3) MiniUSB for charge
- (4) Lithium battery (3.7V 1350mAh Lithium battery)
- (5) Bracket (To fix indoor monitor on the desk)
- (6) Two slots (To fix the indoor monitor on the wall, closet or likewise)

6. Installation

(1) Installation method of outdoor unit

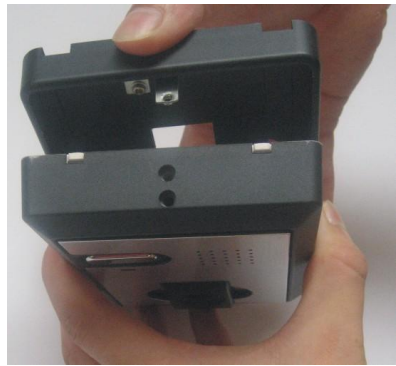
The outdoor unit should be installed at the shielded position to be free from direct shining of strong light and raining. The height for installation is recommended to be 1.5m~1.7m for camera to focus on the best monitoring range.

If wiring needs to go through wall, the plug shall be first wrapped with tape so as to avoid the sand or dirt going into the plug thus resulting in malfunction.

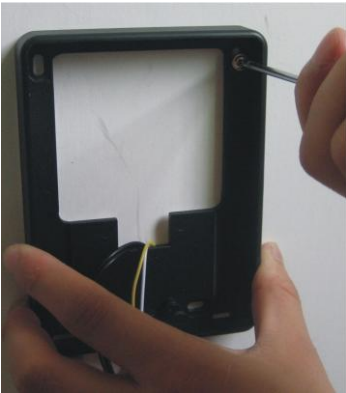
Before install outdoor unit, please plug off the power supply cord, and plug the power supply cord after installation.



(Picture 1)



(Picture 2)



(Picture 3)



(Picture 4)

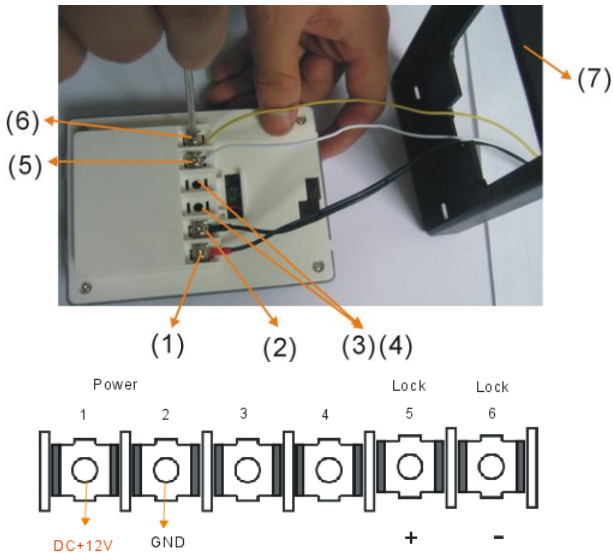


(Picture 5)

(1) Take out the screw from outdoor camera. (Please refer to the picture 1)

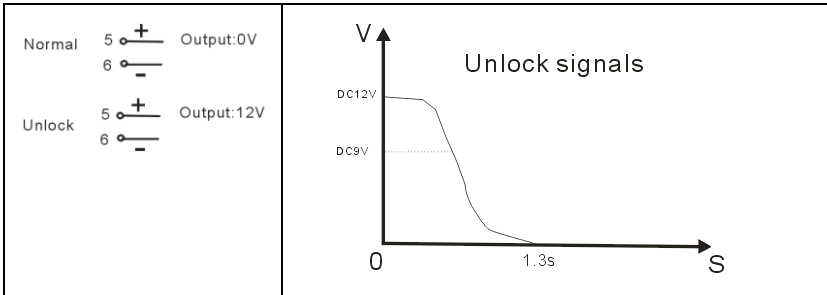
- (2) Take out the bottom frame from the outdoor camera. (Please refer to the picture 2)
- (3) Connect outdoor camera to power adapter, electric lock, wiring needs to go through the bottom frame. (Please refer to 'Connect power adapter and electric lock')
- (4) Let the wire go through the wall from the centre hole, Fix the bottom frame of the outdoor camera on to the wall or door with four screws and expansion bolts if needed. (Please refer to the picture 3)
- (5) Hang the outdoor camera to the hook which is on the top of the bottom frame and fasten them. Push the bottom of outdoor camera slightly, will see two screw holes at the bottom. (Please refer to the picture 4)
- (6) Tighten the screw to the second hole at the bottom of outdoor camera. (Please refer to the picture 5)

(2) Connect power adapter and electric lock

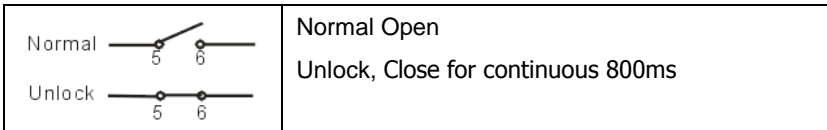


- (1) Connect to DC+12V of power adapter
- (2) Connect to GND of power adapter
- (3, 4) No connect
- (5) Connect to one wire of Electric lock
- (6) Connect to other wire of Electric lock
- (7) Bottom frame

A. Unlock by electric signal (Default)



B. Unlock by relay (For option)



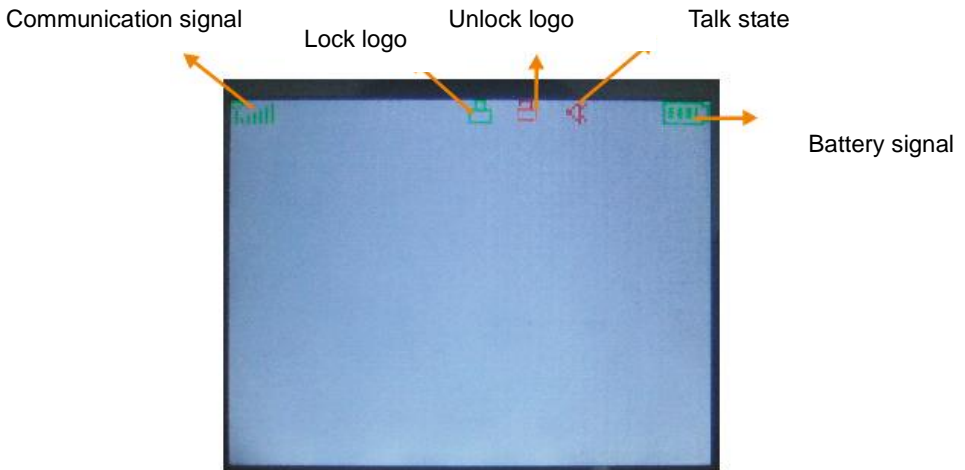
7. Operation Instructions

Follow the manual instruction to install the electric controlled lock, turn on the outdoor camera , and turn on the indoor monitor. Detailed operation is as follows:

(1) Indoor unit turn on/off



Turn the power switch to “ON”, then the screen shows the welcome page for one second. After that, the light on the above will shine, the bell rings “Ding Dong, Ding Dong”. On the top left corner, there is a signal of communication message. The max is level 6. If without signal, please follow the “Failure Diagnosis” part of this manual instruction. There is also signal of battery on the top left corner. The max is level 5. Null means the battery is emptied.


Turn the power switch to “OFF” then power off and the led 1 off.




(2) Talk, Unlock

The visitor presses the “call” button of the outdoor unit’s, the indoor unit’s monitor will sounds “Ding dong, Ding dong” and show the image of visitor.

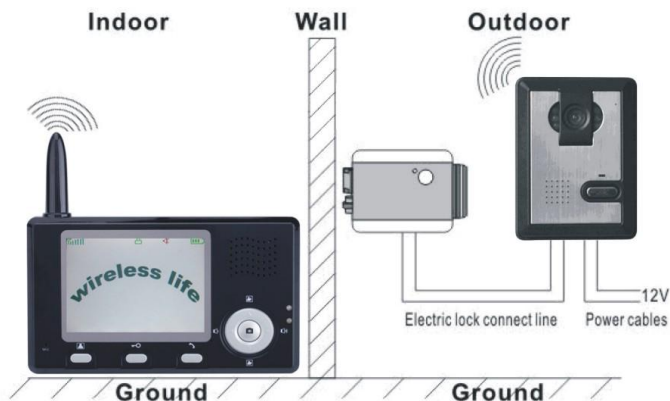
A. To press  button of one monitor to speak to visitor before unlocking, other monitors can see the video can not hear, will the monitor finish the talk, other monitor can press  button and talk with visitor.

B. If do not want to receive the visitor after seeing the video, no operation is required or press the  button to shut off the screen and then enter into standby mode.



Indoor unit enter into the standby mode after 30 seconds if no operation.




If the user doesn't press  button, he can hear the voice of visitor, while the visitor cannot hear any sounds of inside.

Schematic diagram of unlock:




(3) Monitor

If there is no calling from the outdoor unit, User can press the  button and monitor the outdoor up to 24hours, monitor signal will display on the screen, Press  button to quit and close the screen.



If more than 1pcs camera, User can press the  button and monitor the outdoor, press  button again, will monitor the outdoor trough the second, third, fourth camera, 'CAM2', 'CAM3', 'CAM4' will display on the screen, Press  button to quit and close the screen.

(4) Take picture





When it's monitoring, pressing  button to take pictures of outdoor, one press for one picture, then quit the picture model;

If the user isn't in or no any operation, the screen will shut off and save the image of outdoor automatically after 10 seconds and enter into the standby mode.

The indoor unit can keep 1,000pcs pictures at most, will replace first picture if exceed available memory when take a new picture.

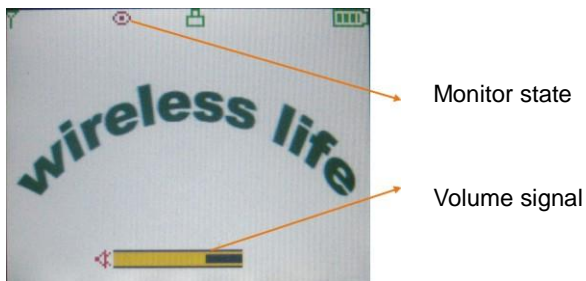
Note: Press  button and  button at time when shut off, then turn on the monitor, will display text of two line 'DELELE OK' 'PLEASE POWER OFF', then delete all pictures, then shut off.

(5) Browse picture

The indoor unit can store up to 1000 pictures. Press the  ,   button to view the stored pictures of the outdoor scene, and then press the button to quit viewing mode.

(6) Adjust volume

To adjust the volume by the ◀ 🔊 ▶ 🔊 button, adjusting range: 0-7



8. Failure diagnosis

| Defect | Diagnosis | Operation |
|--------------------------------|---|---|
| Fail to start the product | If turn the switch to the "ON"? | Turn the switch to the ON |
| | If the power of Lithium-on batteries is not enough? | Charge the Lithium-on battery |
| Fail to charge | If the plug of power adaptor correctly plug into miniUSB? | Re-connect the devices and power adaptor |
| | If the power adaptor correctly get through the 100-240V AC electricity? | Re-insert the plug to make power adaptor get AC electricity. |
| Speaking state no voice | If the volume is adjusted to be the least? | To adjust the volume to be suitable |
| The image is flashing or noise | If the indoor device is close to fluorescent lamps, mobile phone which has magnetic wave? | Keep the devices off these things which has magnetic wave |
| The indoor monitor no signal | If the outdoor camera doesn't connect the power? | To connect the outdoor camera power |
| | If the outdoor camera is far away from the indoor monitor? | Keep the distance in 60 meters within (stopped by multi-wall) |
| | If there is other strong magnetic space bother? | Put the indoor device out of the strong magnetic space |

9. Working Environment

- (1) Working temperature: -15°C — $+55^{\circ}\text{C}$
- (2) The range of working humidity cannot be more than 85%

10. Machine Maintenance

- (1) Keep the clearance of the surface and use the soft dry cloth to clean the dust of the product, Please turn off the power of indoor device.
- (2) If there is the hard dirty which cannot be cleaned with dry cloth, please use the soft towel dipped in the neutral diluted detergent to clean the product and then clean it with dried cloth.
- (3) Don't clean the product with benzene, diluted liquid or petrol etc organic liquid for these will damage the outside part or vary the outside color of the product.
- (4) The product should be placed where is stable, windy, air-dry, non-sunshine, non-strong magnetic and non-dusty.

11. Notices

- (1) New product must be charged more than 5 hours for first two times to activate the Li-ion battery, after that charge 2~3 hours every time, Up to 20 hours of standby time.
- (2) Please don't cover anything on the Microphone or speaker when there is conversation.
- (3) Please always use the specified electric source power supplier adaptor, or that with the same type (same standard voltage and electric current). Using the adaptor unspecified may lead to the damage of the circuit and component of the product.
- (4) The outdoor and indoor unit must be matched with appointed styles and cannot match with other units which are not our products.
- (5) Please don't open the product without permission. If there is any problem of the product which needs examination and repair, please contact the technical supporter of our company or our selling agent.

12. Technical Support

- (1) We insist tracking service through before selling, selling and after selling, please

carefully read user manual before installation;

- (2) Please strictly follow the user manual before you install and test this product. If there is any question, please contact our tech support and customer service;

Remark:

- 1) All the diagrams, screen snapshot in this manual are for the detailed explanation of this product. They might be slightly different from the product you purchased because of the difference of product version upgrade and manufacturing lot table field. If there is difference between your product and that described in your product, please refer to your product!
- 2) Damage Requiring Service – Unplug this equipment from the power source and refer servicing to qualified service personnel under the following conditions:
 - a. when the power supply cord or plug is damaged;
 - b. if liquid has been spilled or objects have fallen into the unit;
 - c. if the product has been exposed to rain or water;
 - d. if the product has been dropped or otherwise damaged;
 - e. if the product exhibits a distinct change in performance – this indicates a need for service.
- 3) Water and Moisture – Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and a like.
- 4) Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 5) Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part.

WARNING: CODE, 1V2 can add monitor to 1V3 and 1V4

2V1 can add camera to 3V1 and 4V1