

## 2.4GHz Digital Wireless Video Door Phone User Manual



- 
- Thank you for purchasing our product.
  - Please carefully read this user manual before using the product and follow the manual to install and operate.

(2) Working humidity: ≤85%

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## 11. Notices

(1) Please don't cover anything on the Microphone or speaker when it is in working mode.

(2) Please always use the specified power adaptor, or that with the same model (same standard voltage and current). Using the unspecified adaptor may cause the damage of the product.

(3) 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.

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

## 1. Introduction

Our wireless video door phone is composed of outdoor camera, indoor monitor and wireless unlock control. You can operate the indoor monitor to communicate

Fail to start the product	If turn the switch to the "ON"?	Turn the switch to the ON
	If the power of Li-on battery is not enough?	Charge the Li-on battery
Fail to charge	If the plug of power adaptor correctly plug into miniUSB?	Re-connect indoor monitor with 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.
No voice in talk mode	If the talk volume is adjusted to be the least?	To adjust the talk volume to be suitable.
The image is flashing or noisy	If the indoor monitor is close to induction cooker and microwave oven which has magnetic wave?	Keep indoor monitor far away from these things which has magnetic wave.
No signal in indoor monitor	If the outdoor camera doesn't connect the power?	To connect power adaptor to the outdoor camera
	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?	Keep indoor monitor far away from the strong magnetic space

with visitors via voice and video, and then unlock the door if you wish. It's applicable in apartment, hotel, house, office, building and so on.

The outdoor camera is easy to install. Indoor monitor is portable. It can be hung on the wall or cabinet; or be placed on the desk, tea table or dining table.

## 2. Features

- (1) 2.4GHz digital frequency hopping and encryption technology, transmission distance up to 300 meters in free field, robust anti-interference
- (2) Clear night vision can capture image in low-illumination environment
- (3) Rain shield for the outdoor camera is available
- (4) 3.5 or 7 inch TFT color panel
- (5) Surveillance, wireless unlock, hands-free call and talk
- (6) 16 chord melodies and melody volume is adjustable
- (7) Brightness and talk volume are adjustable
- (8) Date (only one outdoor camera with one indoor monitor system supports) and time shown on screen
- (9) Indoor monitor could take pictures automatically or by instruction. It could store up to 100 pictures (max 500 pictures with extra storage) with date and time
- (10) BL-5J battery of camera and monitor is replaceable and rechargeable
- (11) Outdoor camera has two working modes:
  - 1) Indoor monitor can proactively monitor outdoor anytime if outdoor camera's power adaptor is applied;
  - 2) The indoor monitor can't proactively monitor the outdoor if outdoor camera is using battery instead of power adapter. The working cycle for battery is about half a year.
- (12) Wireless unlock control supports power on and power off unlock mode
- (13) One outdoor camera supports up to 4 indoor monitors and one indoor monitor can support up to 4 outdoor cameras

## 3. Packing list

- (1) Outdoor camera, size: 126×93×31mm
- (2) (A) 3.5' indoor monitor, size: 141×87×20mm

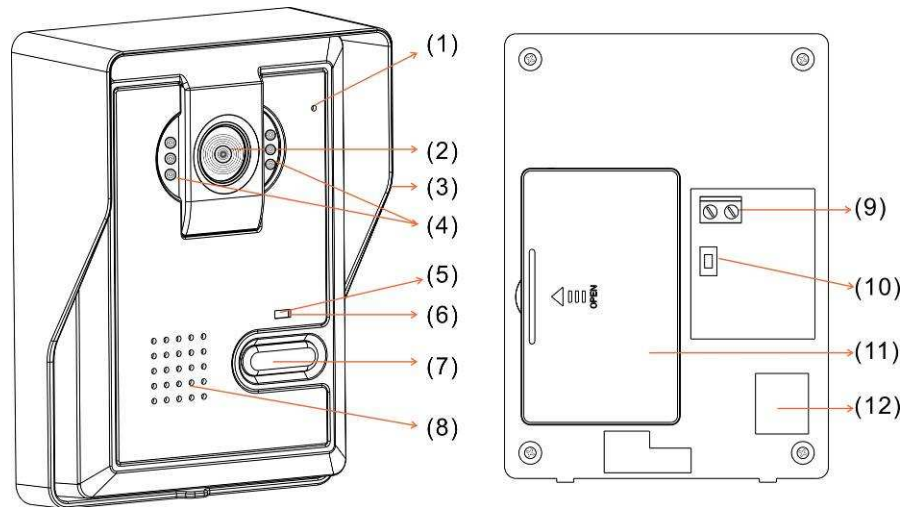
## 10. Working environment

- (1) Working temperature: -15℃—+55℃

Or (B) 7" indoor monitor and fixed iron, size: 238x132x18mm

- (3) Power adapter for outdoor camera  
Input: 100-240V 50/60Hz Output: 5V/1A Cable length: 150cm
- (4) USB power adapter for indoor monitor;  
Input: 100-240V 50/60Hz Output: 5V/1A
- (5) BL-5J battery of camera (optional) and indoor monitor
- (6) Wireless unlock control (7) Remote control (optional)
- (8) Screws and stoppers (9) User manual

## 4. Outdoor camera



- (1) Microphone (2) Camera lens (3) Rain shield (4) Infrared light
- (5) Indicating light, show green if press 'pair' or 'call' button, show red if low voltage
- (6) Indicating light for recharge (7) 'Call' button (8) Speaker (9) Adaptor interface (+5V, GND) (10) 'Pair' button (11) Battery lid (12) Obligate area welding antenna

## 5. Indoor monitor

### (A) 3.5" indoor monitor

text: 'Delete all photo, please wait' 'no photo', Please Power off'. After that all pictures have been deleted. Please turn off the indoor monitor.

## D Pair

**Note: The system only support 3 models as below. User can't mix them when purchase. For one-to-one system, adding more outdoor camera or more indoor monitor can't become one-to-multiple system.**

### (1) One outdoor camera and one indoor monitor system

Press 'pair' button of outdoor camera, indicating light flash, press and button of indoor monitor at the same time, the screen will show "ver4 1v1 pairing". If pairing succeeds, the video from outdoor camera will be shown in the screen of indoor monitor.

### (2) One outdoor camera and up to 4 indoor monitors system

Firstly, press 'pair' button of outdoor camera, indicating light flash, press and button of indoor monitor at the same time, the screen will show "ver4 1v4 pairing". If pairing succeeds, the video from outdoor camera will be shown in the screen of indoor monitor.

Secondly, repeat the above operation for each indoor monitor.

### (3) Up to 4 outdoor cameras and one indoor monitor system

**Note: To pair this system is more complex than to do the above two systems. After turn on outdoor camera and indoor monitor, press button ASAP so not let any part enter into standby mode.**

Firstly, press the 'pair' button of outdoor camera, indicating light flash, press and button of indoor monitor at the same time, the screen will show "ver4 4v1 pairing", if pairing succeeds, the video will be shown in the screen of indoor monitor.




Secondly, repeat the above operation as soon as possible until finish all pairing.



Thirdly, check whether pairing is successful, let system power on again, and then press 'monitor' button continuously to monitor each outdoor camera. If each outdoor camera works, it means that system pairs successfully. Otherwise repeat the first step.

## 9. Failure diagnosis

Malfunction	Checking	Debug
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### (3) Monitor

For one outdoor camera or more outdoor cameras with one indoor monitor, if there is no calling from the outdoor camera, the indoor monitors are in standby mode. User can press the  button once to wake up the indoor monitor; press  button again to enter monitor mode and monitor the outdoor as long as you like, monitor signal will display on the screen. Press  button again to quit and turn off the screen.


For several outdoor cameras with one indoor monitor, in monitor mode, press  button to show the image from the CAM1, CAM2, CAM3, CAM4 (if the system has) in sequence. At the last outdoor camera, press  button again to quit and turn off the screen.

### (4) Charge

For the first time, the battery should be charged for more than 5 hours to activate the lithium battery. After that charge 3 hours every time, up to 80 hours of standby time. Charging led is red when charging, it turns green when the battery is filled, the color of battery bar will change from green to red when the battery is in low power.

## C Picture




### (1) Take pictures

When there is video from outdoor camera, presses  button to take a picture, one press captures one picture.





When the Call button of outdoor camera is pressed, if the user isn't in or no operation, all indoor monitors automatically save the image from camera after 10 seconds.

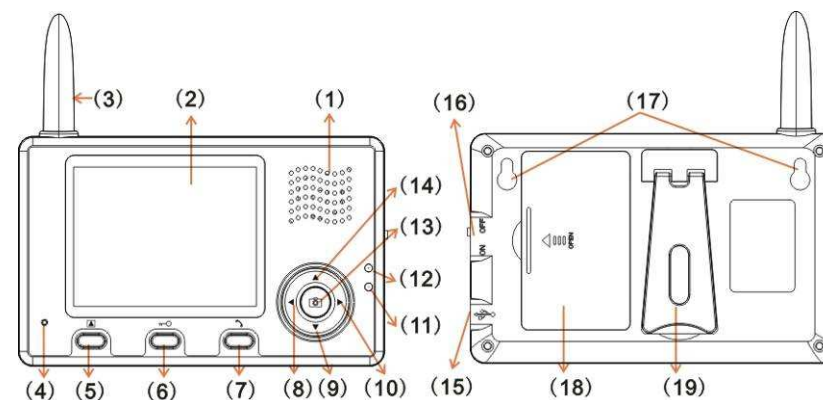
When take a new picture, it will replace the first picture if no memory is available.

### (2) Browse pictures

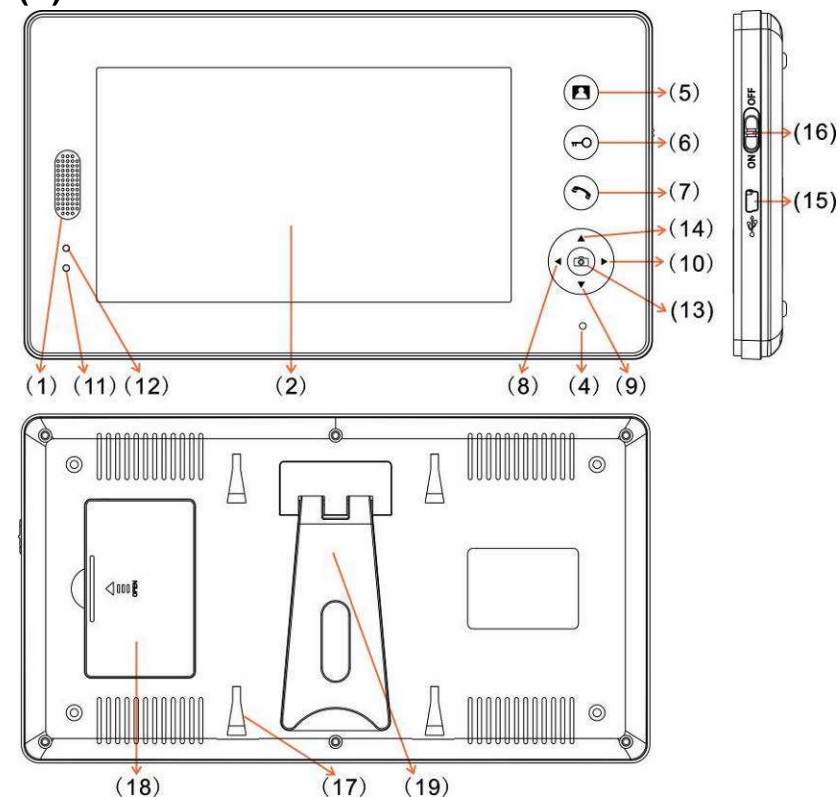
In the non-talk mode, press ,  button to browse the stored pictures, then press  button or after 10 seconds to quit browse mode.







### (3) Delete pictures



Firstly turn off the indoor monitor, then press  and  button together, turn on the indoor monitor, press  and  button until the screen displays



### (B) 7" indoor monitor



- (1) Speaker
- (2) TFT screen
- (3) Antenna
- (4) Microphone
- (5)  'Monitor' button
- (6)  'Unlock' button
- (7)  'Talk' button
- (8)  Left
- (9)  Down
- (10)  Right
- (11) charging light

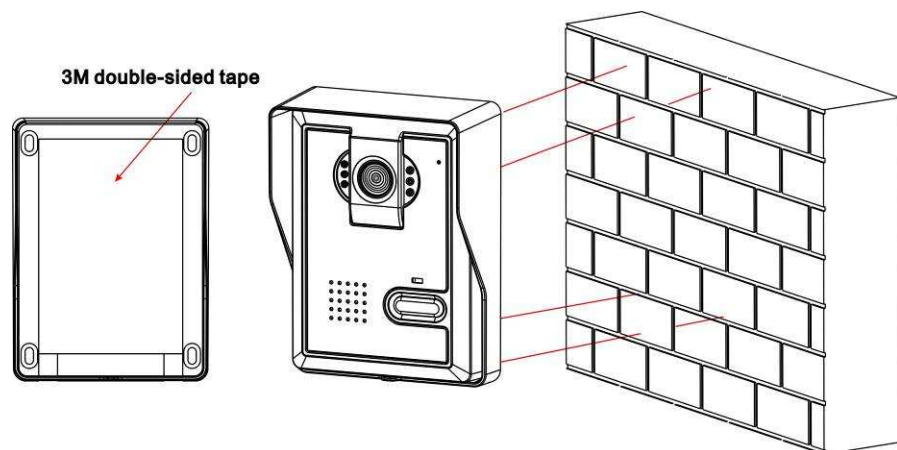
- (12) Working light (13)  'Take picture' button (14)  Up (15) USB interface  
 (16) Power switch (17) Fixed slot (18) Battery lid (19) Bracket

## 6. Installation instructions of outdoor camera

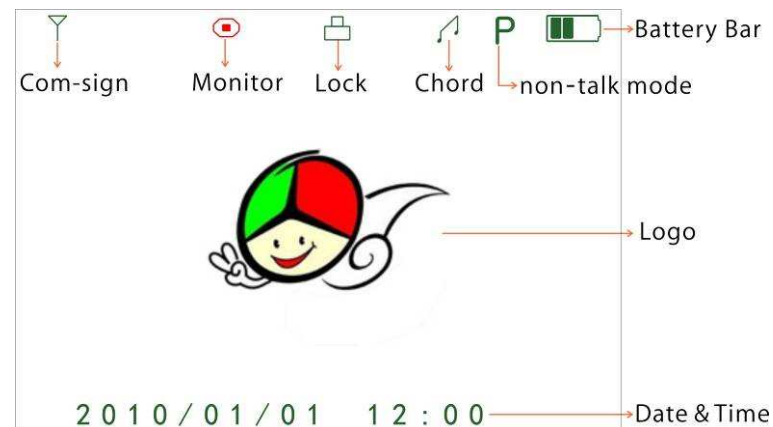
The outdoor camera should be installed at the shielded position to be free from direct shining of strong light and raining. The height for installation is recommended to be 1.5m~1.7m for outdoor camera to focus on the best monitoring range. Wireless signal will be weakened if there are obstacles between the outdoor camera and the indoor monitor. Please check the best sign of monitor when install the outdoor camera to get the best position.

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

Use double-sided tape fix outdoor camera on the wall or door as the following diagram.








Or take off the screw on the bottom, remove the back box fit to the wall, embed the outdoor camera to the back box and use the screw to fix it as the following diagram.





### (2) Talk, unlock

The visitor presses the "call" button of the outdoor camera. All indoor monitors will sound melody and show the image of visitor.

- A. Press  button of one indoor monitor to speak to visitor before unlock. Other indoor monitors can see the image but can not hear sound of the visitor. If you want to let other indoor monitor to talk, press  button to end the current dialogue, then another indoor monitor could press  button to speak to visitor.

When in talk mode, press  button to unlock the door lock, the unlock signal shows on the screen. When press  button again, the unlock signal will disappear.

Press  button to turn off the screen and enter standby mode, or it will turn into standby mode automatically after 30 seconds.

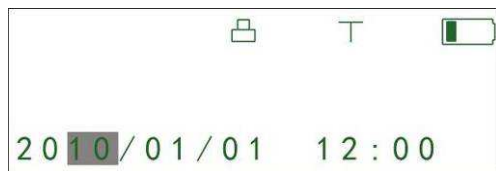
- B. If do not want to let the visitor go in after seeing the video, no operation or press the  button to turn off the screen and then enter into standby mode.

Indoor monitor enters into the standby mode after 30 seconds if no any operation.

Note: if you use multiple indoor monitors, please keep distance among indoor monitors to avoid affecting talk effect.



setting. Press ◀, ▶ button to select, press ▲, ▼ button to adjust the date and time in grey.



## (2) Melody and volume

When indoor monitor is in non-talk mode, press ▶ button to select one of the 16 chord melodies as the sound of the bell. Press ◀ choose to the volume of melody (adjust level: 1-2).

16 chord melodies are Ding-dong, To Alice, Westminster bell, Butterfly lovers, The cygnet, Red river valley, My heart will go on, Turkey's march, Small dance, Congratulations you, William's prelude, Love romance hudson, Memory, The Little Mermaid, Green sleeves, Romeo and Juliet.

## (3) Talk volume

In the talk mode, press ◀, ▶ to adjust the talk volume. Adjust level: 0-7.



## (4) Brightness

In the talk mode, when indoor monitor has dynamic image from outdoor camera, press ▲, ▼ to adjust brightness. Adjust level: 0-7.

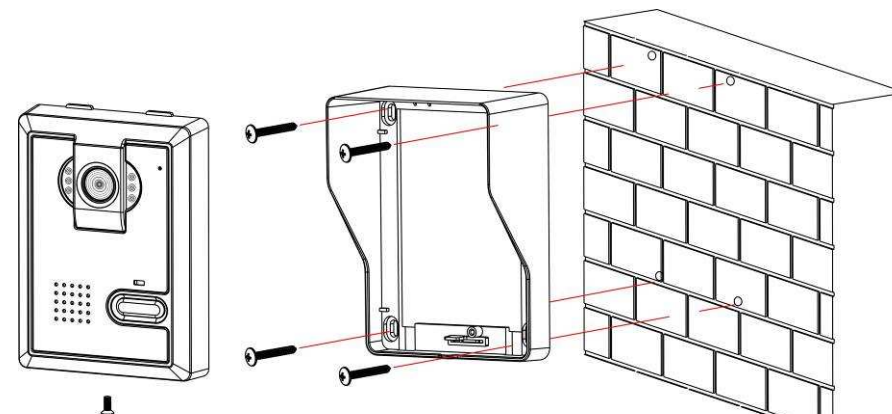


## B Operation

### (1) Indoor monitor turn on/off

**Turn on:** Turn the power switch to "ON", working light display red and rings the melody.

**Turn off:** Turn the power switch to "OFF", working light off.  
Maximum Com-sign is level 6. Maximum battery bar is level 4.



## 7. E-lock installation

E-lock and power of e-lock are not included in this product. User can purchase them based on specific requirement. Wireless unlock control which is set up on the e-lock, shares the power with e-lock when it works. This wireless unlock control provides two unlock modes and 3 durative times. 1 sec, 4 sec, 8 sec are provided for door control relay to drive e-lock to open the door.

**Notes: You should guarantee that the distance between wireless unlock control and outdoor camera is within 10 meters so that the wireless unlock control is able to receive unlock command.**

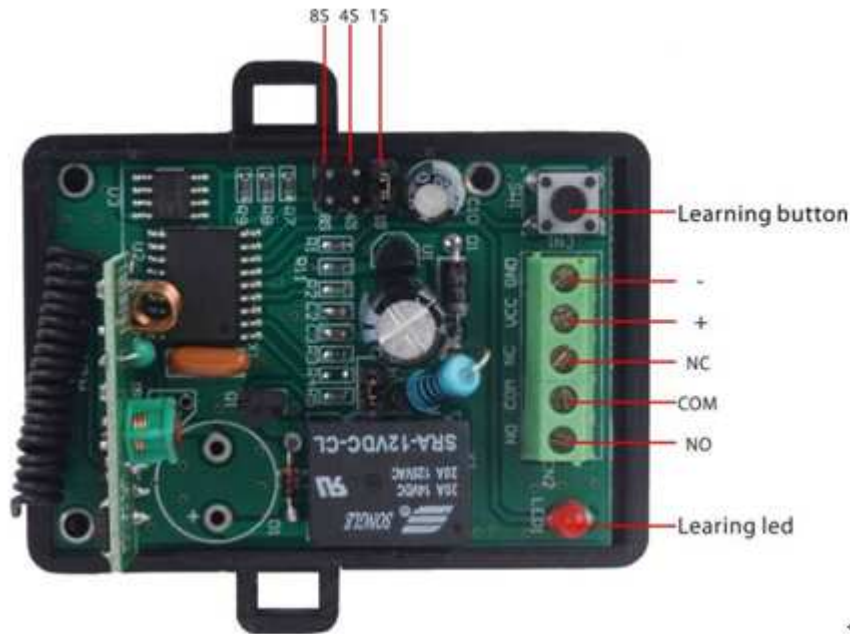
### E-lock connection


1. Open the unlock control box, and connect wire according to the following figure. And then select one of three unlocking modes: 1 second, 4 seconds and 8 seconds.

2. Learning method and Remove operation of unlock control, remote control and wireless video door phone.

(1) Press the 'learning' button of unlock control, the learning indicator light will flash, then press the ◻○ button of remote control (If it is for wireless video system, press the ◻○ button of indoor monitor when it is in talking status), At this time the learning indicator light flash and then go out soon, Which means that it

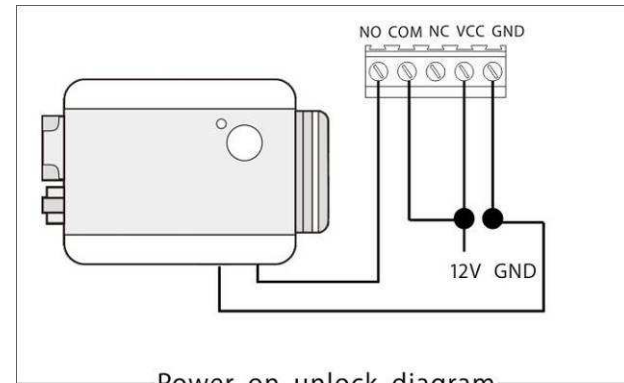




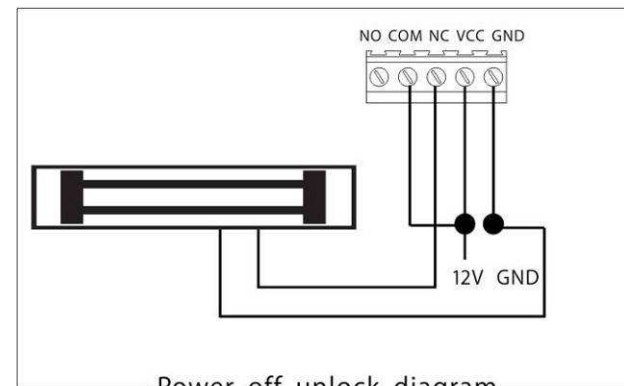
- enters learning status.
- (2) Repeat above operation, the learning indicator light flashes and then goes out, which means that the learning is successful.
  - (3) Press the 'learning' button of unlock control for 6 seconds until the learning indicator light flashes and then goes out, which means all stored information has been removed successfully.
  - (4) Remote control (optional), please use 27A/12V battery, and press  to unlock.



3. Please use 12V power adaptor, and select the power based on the model of e-lock.



Power on unlock diagram




Power off unlock diagram

## 8. Operation

**Note:** When the system is in working condition, if there is no blocking wall between indoor monitor and outdoor camera, you must keep them at least 6 meters apart to avoid the 'whistle' sound.

### A Setting

#### (1) Date and time

When indoor monitor is in non-talk mode, press  button for 3 seconds, there will be a "T" (for time) character on the left side of the battery symbols on the screen. User can set the date (year/month/day) and the current time (hour/min). Time format is 24 hours. Only one outdoor camera with one indoor monitor is available for date