

# Fashion•Technology•Taste

## Enjoy Intelligent Life

The wireless video door phone is a 2.4G wireless high-tech household intelligent product integrating doorbell, photo-taking, intercom, monitor and unlocking functions into one.

Its user-friendly adjustable angel camera broadens users' view. Especially its unique human body detection sensor, will detect people when human-body is approaching the door and indoor monitor shall be activated, show the image of the outdoor on its screen and take photo automatically. Therefore, even you were not at home, you also could know who visited you. This model is the guarantee for your home security.

This product does not use wires. It is convenient to install and simple to use. It's specially designed for villas. A outdoor unit can work with three matched handsets with max, working distance 300 meters in an open area.

Adopting the latest energy saving technology, its stable performance and fashionable appearance design make it the first choice of your high-quality intelligent life.

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Introduction .....	01
Safety Warnings & Attentions .....	01
Product Overview .....	02
Product Diagram .....	03
Installation Guide .....	06
Installation Outdoor unit .....	06
Attentions During Installation .....	08
Functions & Application .....	09
Outdoor Unit Starting Up .....	09
Indoor Monitor Starting up .....	09
Outdoor Unit CALL Indoor Monitor .....	10
Volume Adjustment for outdoor and indoor unit .....	11
Intercom between monitors .....	11
Indoor handset monitor outside .....	13
Unlock the door .....	14
Take photo .....	14
Night-Vision .....	15
Tamper-Alarm .....	16
Motion Detection .....	16
Info Function .....	16
USB Function .....	16
Indoor Monitor Menu .....	17
Pairing additional monitors or outdoor unit .....	21
Battery & Charge .....	23
Configuration .....	24
Statement .....	24
General Faults And Solutions .....	24

## Introduction

Thank you for choosing this wireless video door phone. Please read this Manual carefully to fully understand its usage, perfect functions and simple operation.

Before using this product, please read these Attentions carefully to ensure safe and proper operation of this product.

The Company reserves the right to modify this Manual from time to time without prior notice.

## Safety Warning & Attentions

### 1. Attentions

- Do not place this product on an uneven or unstable table-board to prevent failure or damage caused by falling.
- Only the battery and charger designated by the Company can be used on this product. Application of other products may lead to leakage, overheating, blowout and fire of the battery.
- Do not violently strike, shake or toss the wireless video door phone to prevent failure and fire caused to the wireless video door phone.
- Do not put battery, charger or wireless video door phone in the microwave oven or high-pressure device; otherwise, damage and fire of electrical circuit and other accidents may be caused.
- Do not use this product in a place with flammable and explosive gas; otherwise, product failure and fire may be caused.
- Do not place this product in a place with high temperature, high humidity or large amount of dust; otherwise, product failure may be caused.
- Do not dismantle or remodel this product, otherwise, damage, creepage and electrical fault may be Caused.
- Place tiny metal objects such as drawing pin at a place far away from the speaker. As the speaker has magnetic property while working, it will attract these tiny metal objects, which may lead to personal injuries or damage of the speaker.
- Do not project the lens at strong light source, such as the sun; otherwise, damage of the image sensor may be caused.
- Do not press the terminal of lens with much force; otherwise, personal injury or damage of the device may be caused.
- If this product is made wet by mistake, shut it down, remove the battery, and restart the product after confirming it complete dry after 24 hours.

- Use clean and dry soft cloth to clean the lens, infrared lamp and light sensor.

● **! Warning: improper operation will void warranty! !**

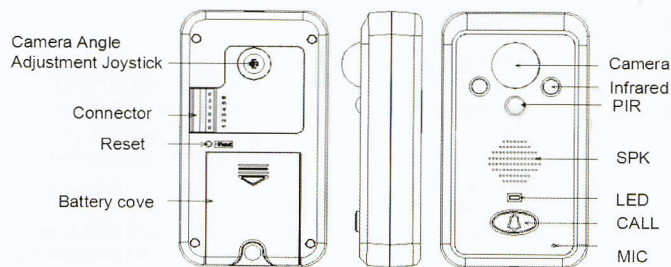
## Product Overview

Characteristics and application:

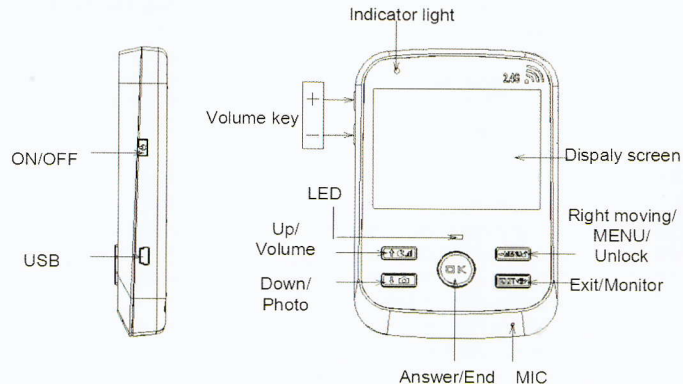
1. Fashion appearance —— adopt European design, full of modern science and technology feeling, suitable for houses of various decorative styles.
2. Hidden antenna —— adopt built-in antenna design, protect the antenna effectively.
3. Extra large range of vision —— 120°
4. Adjustable camera angle—up to 15° from center line in any direction
5. High-resolution color LCD screen —— adopt 3.5-inch mainstream TFT digital LCD screen, achieve outstanding clarity.
6. High speed transmission ---image transmission speed is 25fps, the image is clear and fluent.
7. Infrared Night-Vision —— Infrared light shall turn on automatically when outside light is dim
8. 6 kinds of ringtones —— users can select the desired doorbells ringtones freely
9. Monitor function —— simple and convenient to use, view the outdoor scenes and take photos just by pressing one key.
10. Auto detection —— Camera includes a built-in PIR sensor that activates the camera and takes photos of the visitor when he or she approaches
11. Intercom function —— can achieve two way intercom between outdoor and indoor unit, and between two indoor units
12. Unlock function—— Remotely unlock door by monitor
13. Auto circulating memory ——can store 120 photos, auto circulating
14. USB data port—— charge or software updating by USB port
15. Multiple supporter —— table charger
16. Multi machine extended function —— support two outdoor units and three indoor monitors at most.
17. Long distance transmission —— communication distance can reach 300 meters in open space.
18. Outdoor unit waterproof —— Ip55
19. AC/DC Power——Camera powered by AC9~16 V / DC5~16 V

## Product Diagram

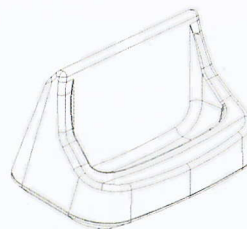
### Outdoor unit:



### Indoor monitor:



### Table type holder for Indoor monitor:



### Key introduction:

#### A. Indoor monitor Keys (7pcs Key) :

1. : off-hook and on-hook key; connecting key.
2. : up option key for menu; adjustment key for volume.
3. : down option key for menu; photo taking key when calling or monitoring.
4. : exit key for menu, monitor key.
5. : right option key for menu; menu key; unlock key.
6. "ON/OFF" : power "ON/OFF" key; standby mode key.
7. Volume key(+/-): work as an adjustment volume key with key

#### B. Outdoor unit keys

1. Doorbell key: ring the bell and trigger photo-taking if nobody answers.
2. Reset: match the communication code with the handset.



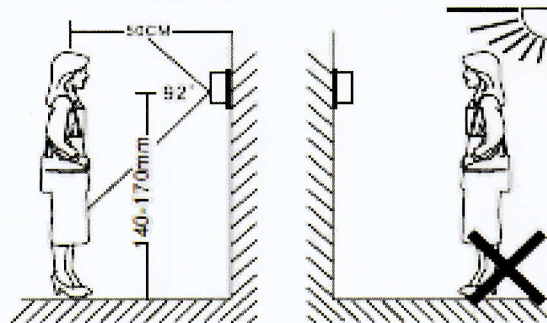
## Performance parameters:

Outdoor unit	Power	Specific lithium battery BP-6M(1100mAh)
	Consumption	400mA
	Outline dimension	134*74*31mm
	Weight	122g
	Environmental condition	Temperature: -10°C~+50°C
	Waterproof grade	Ip55
	Placement	Hang on out wall
	Surface material	ABS & hardware accessories
	Camera	300,000pixels
	View angle	120° wide angle (Extra 15° adjustable)
	Night vision pattern	Infrared lamps
	PIR	3M*100°
	Working time	3hours continuously
	Standby time	300hours
	Charge time	3hours
	External power	AC9~16V/DC5~16V

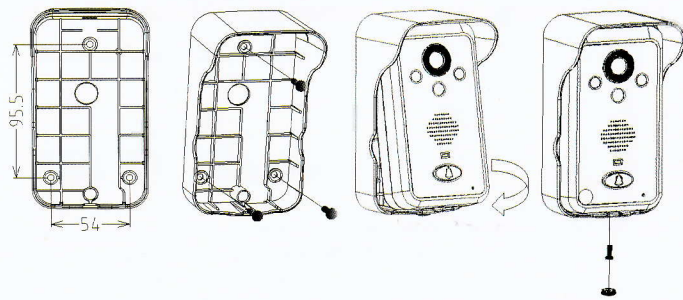
Indoor monitor	Power	Specific lithium battery BP-6M(1100mAh)
	Consumption	400mA
	Outline dimension	126*84*20mm
	Weight	110g
	Environmental condition	Temperature: -0°C~+40°C
	Placement	Table style
	LCD size	3.5" TFT color screen
	Wireless communication mode	2.4GHz
	Images spread	25fps
	Picture format	JPEG
	Working time	4hours continuously
	Standby time	500hours
	Charge time	3hours
	External power	DC5V 1A
	Application distance	About 300m in open space

## Installation Guide

Outdoor unit shall be installed at 1.4~1.7 meter above the floor, and the camera shall avoid facing the sunlight directly. Please do not install outdoor camera on metal plate, metal plate shall affect transmission signal.

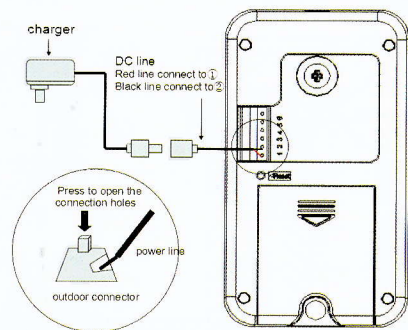


## Installation Steps



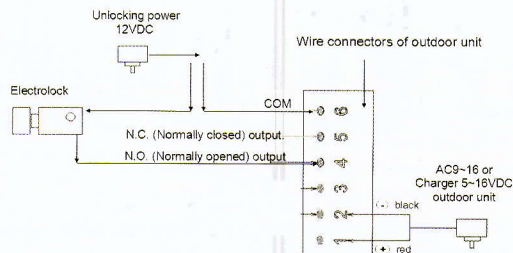
1. Drill a hole refer to the dimension, put the screw rubber plug in, then fix the rainproof cover on the wall by screws.

2. Connect DC line according to the wiring diagram (the diameter of hole for wire getting through should be 16~30mm). Red wire (positive pole) connects to point 1; black wire (negative pole) connects to point 2. If powered by AC power, connect wire to point 1 and point 2.



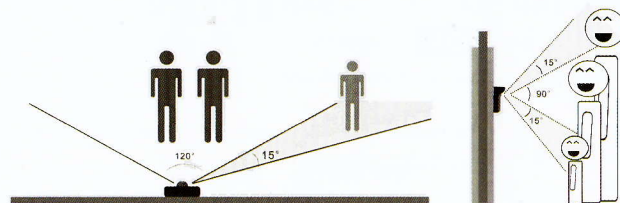
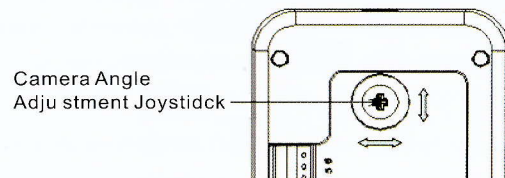
3. Electronic lock and its power supply connection as shown in figure:  
If electro lock maintains open: connect to point 4  
If electro lock maintains close: connect to point 5  
Two power lines of lock: one connects to lock, one connects point 6.  
**Note: electro lock and lock power supply should be prepared by user.**

Camera Wiring Diagram



Remark: Provided by users.

4. Install rechargeable lithium battery (BP-6M) to outdoor unit, the unit starts up automatically.
5. The lens Angle adjustment: according to indoor monitor image, adjust manually. 15 degrees adjustable. please keep regulator arrow upward.
6. Put the top part of outdoor unit into the rainproof cover like the picture, push the bottom part, make sure its steady and fix it from the bottom by screw, then fit on the screw cover.



## Attentions During Installation

1. The outdoor photosensitive sensor should not be hidden or blocked by other objects.
2. Do not face outdoor unit to sunlight directly.
3. Install the connection line correctly, otherwise, door phone disabled may be caused.

## Functions and Applications

### Outdoor Unit Starting Up

Connect to external power to start up. If power is weak ,blue LED flashes every one second, please charge for camera..  
LED light: blue LED lights up when intercom.

### Indoor Monitor Starting Up

Install battery to indoor monitor, hold “ON/OFF” key about 3 seconds to start up , logo shall be displayed on screen with a sound of “Beep” .

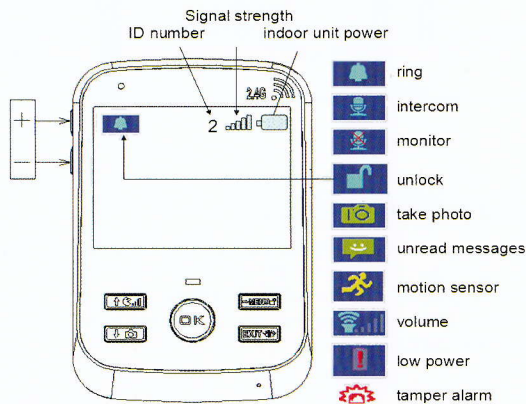
Under Sleeping mode, press **OK** button to start up.

Display: standby picture, unit ID, signal sign, power sign, time & date.  
Standby: blue LED flashes every 4 seconds.

Intercom: blue LED lights up when ring, red LED lights up when intercom

Turn off: press “ON/OFF” key, press **↑** / **↓** to choose “yes” or “no” , press **OK** to confirm.

Indoor monitor screen icon instructions

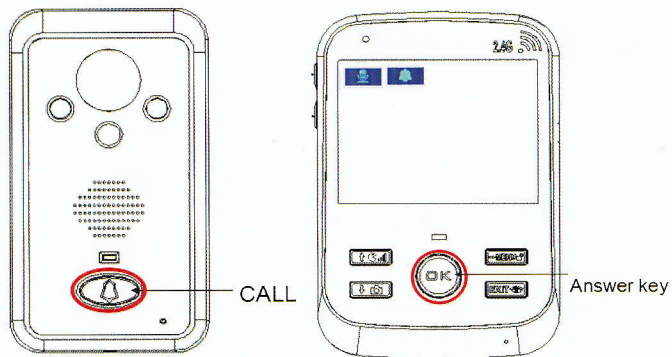


### Outdoor Unit Call Indoor Monitor





In standby time mode, press “Doorbell” key to call, the blue LED of the outdoor unit lights up with a sound of “Du Du” . The screen shows image and rings the bell for Max. 60 seconds, screens shows icon. If there is no reply signal from indoor monitor in 60 seconds, the outdoor unit ends the call.

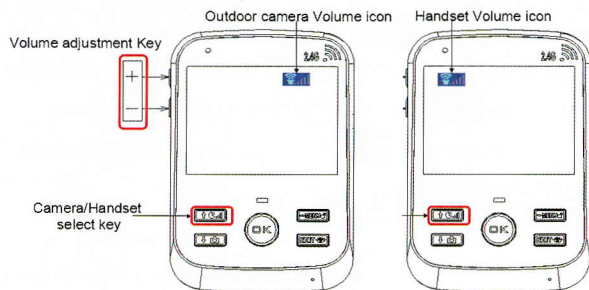
Indoor monitor press **OK** to get into intercom mode, blue LED of indoor unit turns off, red LED lights up, in two-way intercom mode indoor unit shows icon, intercom ends after 90 seconds.

In intercom mode, press **OK** to end the call with a beep, all units get into standby mode.



## Volume adjustment of outdoor camera /indoor handset

Under talking mode, by pressing “” to activate  icon on left top corner of monitor for adjusting monitor volume, by pressing “” again to activate  icon on right top corner of monitor for adjusting camera volume while talking, volume has 5 grades.



## \*Intercom between monitors

( At least 2 pieces indoor handsets are in a system. )

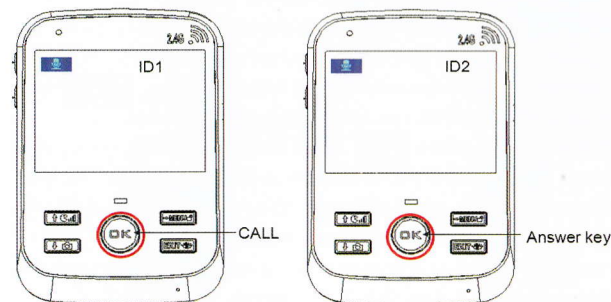
1. Two monitors in a system, in standby mode, press **OK** to call another monitor.

2. Three monitors in a system, in standby mode, press **↑** to call smaller ID monitor, press **↓** to call bigger ID monitor.

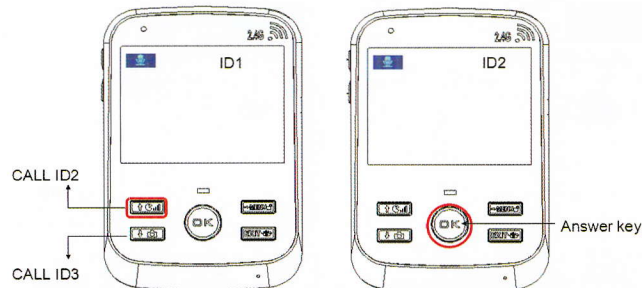
- If failed to connect, calling monitor displays “User not online” with a beep, and exit.
- Press **OK** on called monitor to answer the call by two way intercom, intercom time is 90 seconds.
- During intercom, press **OK** by any side, intercom ends with a beep.

As picture:

### 1. Two monitors in system



### 2. Three monitors in system






Press **↑** on ID1 to call number ID2, press **↓** to call number ID3.  
 Press **↑** on ID2 to call number ID1, press **↓** to call number ID3.  
 Press **↑** on ID3 to call number ID1, press **↓** to call number ID2.  
 ( Intercom is between 2 handsets only )






## Indoor handset monitor outside

In standby mode, press  to monitor.

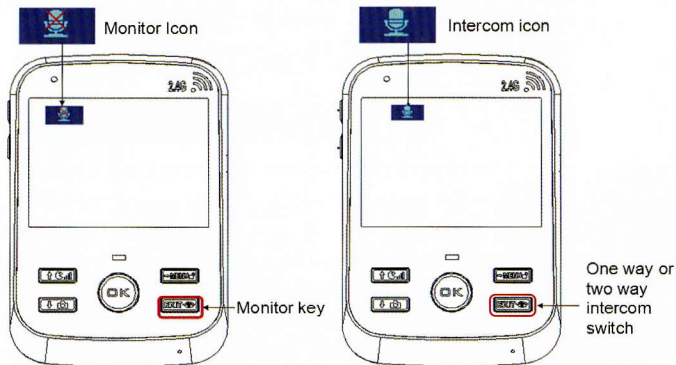
If monitor did not receive signal in 5 seconds, display shows "User not online" and exit. If monitor received signal, display shows image and speaks voices from outdoor unit with displaying  icon, outdoor camera has no voice and enter monitor mode.

In monitor mode, press  again to talk to outside, indoor monitor displays  icon. Intercom time is 90seconds. (Monitor and intercom modes could be switched, 90 seconds for each switch)



\*If there are two outdoor cameras with code matched:

Press  on indoor unit to monitor, press   to select outdoor cameras number, press "OK" to monitor.

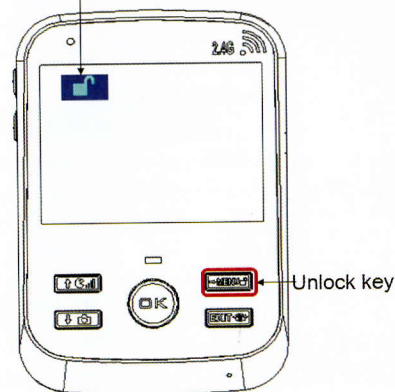
Ending: In monitor mode, press "OK" to end the monitor and exit.



## Unlock the door

Only in intercom mode (between outdoor camera and indoor monitor), press  on monitor to unlock the door, monitor displays  icon.

Unlock icon





## Take photo

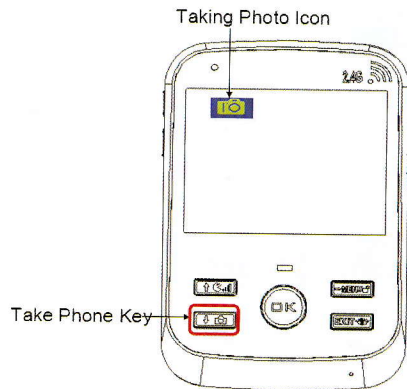
Automatically taking photo mode:

1. Outdoor unit call indoor monitor, if no answer, system takes a photo automatically. Photo named by A as first letter.
2. In detection mode, system takes two photos when someone enters into its detection range. Photo named by P as first letter.
3. Remove the camera from the rain cover, system takes a photo. Photo named by T as first letter.



Manually taking photo mode:

Indoor monitor connects to the outdoor unit(In monitor or intercom mode), press  to take photo, monitor displays  icon, one photo by each press, photo named by M as first letter.





## Night-vision

With night-vision function, even under the environment of extremely poor visibility, the outdoor unit can activate infrared lamps and recognize clearly objects or people within the distance of 1.5meter. In addition, under complete black condition, it displays black and white effects.


**! Note: Please keep the lens of infrared lamps clean.**

## Tamper Alarm

It shall alarm if outdoor unit is detached from the shell. The indoor monitors shall alarm as well as display image and alarm icon . The indoor monitors alarms for max. 2 minutes. Press  to stop alarm. A photo shall be stored in monitor (Monitor should be powered on).

**! Note: The outdoor unit only could work when it is repowered on and reinstalled into the shell.**

## Motion Detection

In detection mode, system takes two photos when someone is in its detection range (within 2 meters) and monitor displays  icon.

Note: The icon disappear if monitor power fails.

## Info Function

When outdoor unit calls indoor monitor, and no answer within 5 seconds, the system takes one photo automatically to record the visitor. Monitor displays  icon to remind users of missing calls.

## USB Function

Charging monitor

With the special software tools to upgrade the door phone.

## Indoor Monitor Menu

- In standby mode, press **←MENU→** enter into menu.
- Press **↑** / **↓** and **→** to choose the Sub Menu, Press **OK** to enter.

**Note:** In the sub menu, press **EXIT** to turn back to previous menu; In main menu, press **EXIT** to exit to standby mode.



### Photo



Enter into photo menu and operate.

( Automatically taking photo named by A as first letter; Manually taking photo named by M as first letter' Detection photo named by P as first letter; Alarming photo named by T as first letter. )

Example: file A150923104519

Means: Automatically taking photo; Date: September 23, 2015; Time 10:45:19.

- Press **↑** / **↓** to select operation, press **OK** to confirm.
- During view, press **↑** to view previous photo, press **↓** to view the next photo.
- Press **EXIT** to exit.

### Info



Enter into "Info" to check call history. (If there is call history, blue LED flashes every second.)

- If there is no call history, screen displays "No files".
- Press **↑** / **↓** to select operation, press **OK** to confirm.
- Press **EXIT** to exit.

**Note:** Unplug the power and reset, all call history will disappear.

### Time



Enter into Time and Date Setup menu.

- Press **→** key to choose figure of time or date.
- Press **↑** / **↓** to adjust the figure
- Press **OK** to confirm.

### User



Enter "User" to set up ID.


- Press **↑** / **↓** to adjust figure, press **OK** to confirm.
- Press **EXIT** to exit setting.

**Notice:** Please don't repeat ID number for indoor monitors and outdoor units.

## Detection



Enter into detection menu.

- Press **↑** / **↓** to select "Close to detect" or "Open detection" , press **OK** to confirm.
- IF there are two outdoor units, press **↑** / **↓** to choose No. 1 or No. 2, press **OK** to confirm.
- Switch off detection: monitor shows outside image, press **OK** , if success, outdoor unit beeps once, monitor shows "Success" .
- Switch on detection: monitor shows outside image, press **OK** , if success, outdoor unit beeps 3 times, monitor shows "Success" and  icon.

## Ring



Enter into Ring menu. There are 6 ring tones list.

- Press **↑** / **↓** to select the ring tone, press **OK** to confirm and exit.
- Press **→** to increase or decrease the volume. (8 levels)
- Press **EXIT** to exit.

## Language



Enter into Language menu.

- Press **↑** / **↓** to select languages, press **OK** to confirm.

## Setup



Enter into Setup menu.

### (1) Unlock Set

- Enter into "Unlock" setting -lock delay time: 3s, 6s or 8s.
- Press **↑** / **↓** to select lock delay time, press **OK** to confirm.
- Choose corresponding outdoor unit, indoor monitor shows outside image, if lock delay time setting is 3s, outdoor unit beeps 3 time, means setting succeeded.

**Note: if time setting is 6s, outdoor unit beeps 6 times, time setting is 8s, outdoor unit beeps 8 times.**

### (2) Restore Settings

Enter into Restore Settings

- Press **↑** / **↓** to choose "Yes" or "No" , press **OK** to confirm.
- Press to exit.

### (3) Ring time

Enter into "Ring time" menu, set time 10s, 20s, 30s, 40s, 50s or 60s for choice.

- Press **↑** / **↓** to select figure, press **OK** to confirm.
- Press **EXIT** to exit.

### (4) Version

Enter into "Version" , version ID shall be shown.

Press "**EXIT**" to exit.





Enter into network menu: press **↑** / **↓** to choose, press **OK** to confirm.

Creating a network (Match code)

Start the network (Give code)

Join the network (Receive code)

Leave the network (Clear code)

- Match code—By default, one monitor is paired with the outdoor unit:
- Choose “Creating a network”, press **OK** to match code.
- Camera with power, hold the “reset” key till a beep to match code.
- If code match succeeded in 16 seconds, monitor will display “Success”, outdoor unit beeps 3 times, camera ID: 1.
- If code match failed in 16 seconds, monitor will display “Failed”, camera beeps once.
- Press **EXIT** on monitor to exit.

Note: If code match failed, please clear code and match code again.

## Pairing additional monitors or outdoor unit

### (1) Pairing additional monitor

- Set original monitor ID as 1, choose “Start the network”, press “OK” to enter giving code mode.
- Set additional monitor ID as 2, choose “Join the network”, press “OK” to enter receiving code mode.
- If receiving code succeeded in 16 seconds, additional monitor beeps 3 times and exit to network menu.
- If receiving code failed in 16 seconds, additional monitor beeps once and exit to network menu.
- As above, set the third monitor ID as 3, and join the network.

### (2) Pairing additional camera

- Reset the additional camera first. Camera with power, hold “Reset” (About 6 seconds) till the second beep (First beep is after 3 seconds) to enter receiving code mode.
- If receiving code succeeded, additional camera beeps 3 times, ID set as 2 automatically.
- If receiving code failed, additional camera beeps once and exit.

### (3) Exit network

- Original monitor (ID1) exits after code receiving completed, press **EXIT** to exit giving code mode.

- Press **EXIT** to exit.

### (4) Connection confirming

- After match code success, press doorbell on ID 1 camera to call all monitors, if all monitors could be connected, use ID2 camera to call all monitors, if all monitors could be connected, then connection confirming.
- Otherwise, please clear code for failed unit and match code by steps. (Please do not clear code for original giving code unit.)

#### ! Note:

1. Please do not set same ID No. for indoor monitors, the same to outdoor cameras.
2. Connection confirming: after creating network, starting the network, join the network, leave the network and reset ID, please make sure to confirm the connection.
3. Confirming method: Press doorbell of the camera to call monitors to make sure every units are in the system.

### ● Clear code for outdoor unit

Hold “Reset” key of outdoor unit till 3 beeps to enter clear code mode. If clearing code succeeded, outdoor unit beeps once and exit automatically.


### ● Clear code for indoor monitor (Leave the network)

Choose “Leave the network” to clear code for monitor. Please note, the monitor could not work with the system after clearing code.

- Press **↑** / **↓** to choose “Yes” to clear code, press **OK** to confirm and exit.

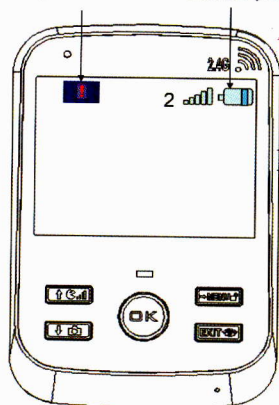
- Press **↑** / **↓** to choose “Quit” to quit code clearing, and exit.

## Battery and Charge

- When outdoor battery is in low power, indoor monitor will show , after connecting, to remind user to charge for outdoor battery.
- When battery power for indoor monitor is in low (less than two bars), red indicator flashes every one second. Please charge for battery.
- This product can be charged by charger or by USB data line connected to computer, or remove the lithium battery, charge by the universal charger, support working while charging.
- Battery type: high-quality battery, if change, please choose Model: BP-6M battery.
- Charging and battery attentions, please reference the chapter "Warns and attentions" in this manual

**Notice:** When in low power, the door phone may not work properly.

Outdoor low power indicator    Monitor power



## Configuration

Manual --1	Adaptor for indoor monitor --1
Rain cover --1	DC Line for outdoor camera--1
Outdoor camera --1	USB line for indoor monitor--1
Indoor monitor --1	Lithium battery (BP-6M) --2
Table charger for monitor --1	Screws --5
Adaptor for outdoor camera DC5V --1	

## Statement

The standard configuration for this door phone is one indoor monitor and one outdoor unit. The door phone has finished code match and can be used directly.  
If you need more pieces of indoor monitors or outdoor units, please contact your local distributors (Maximum 2 outdoor units to 3 indoor monitors supported).  
For the added units, please reference the Give Code and Receive Code in the Code Menu.

## General faults and solutions

Fault	Cause(s)	Solution(s)
Can not start up	Neglected to press switch button	Press switch button
	Lithium battery is not installed	Install lithium battery
	Low battery	Charge up lithium battery
	No connection to power adapter when battery runs out	Connect to power adapter
Can not charge	Adapter connector doesn't connect to charging port of machine correctly	Reconnect correctly
	Adapter doesn't connect to 110V--240V alternating current	Plug into the socket to connect to alternating current
Outdoor unit cannot call or connect to Indoor monitor	Code match failed	Clear code, and re-match code
Image has noisy point or flickers	Handset is placed near to TV player, microwave oven, daylight lamp or mobile phone which produces electromagnetic wave interference.	Keep handset far away from the interference items
No signal for Indoor monitor	Outdoor unit doesn't connect to the power	Connect to the power
	Distance between outdoor unit and Indoor monitor is too far	Adjust to appropriate distance
	Disturbed by magnetic field around	Keep handset far away from magnetic field.

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

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.

