Contents

Important

Thank you for purchasing the wireless video door phone
Before carrying out the installation of your new system, we strongly advise you to read this manual carefully and completely!

- Although the wireless video door phone has splendid error correction capabilities, it can be interfered by other equipment in the area. It is strongly advised to test the product before choosing your final installation position. (see also "Propagation of radio waves")
- Please charge the batteries at least 10 hours for first time use

Power requirement

The system can be powered by battery   or   electrical supply, or both together.
When powered by battery and electrical together, the battery will be auto recharged inside the machine when is low power.

Battery Voltage: DC 3.7V   capability: 1400mA/h
Electrical supply   INPUT 100~240voltage AC, OUTPUT   5V, 1000mA .

In case of power failure, the communication can be lost
The electrical network is classified as hazardous. The only way to power down the charger is to unplug the power from the electrical outlet. Ensure that the electrical outlet is always easily accessible.

Warning:
1.Only use the charging base delivered with your Wireless Video Door Phone
2.Do not allow the charging contacts or the battery to come into contact with metal objects
3.Do not open the handset, outdoor station or charger as you could be exposed to high voltages
4.Never short circuit the battery
5.Do not expose the battery to extreme heat, fire or water
6.Always use the cables provided with the product.

Safety instructions:
1.Please install your system according to this manual to avoid any malfunctions or damages to the products
2.Never open the devices by yourself. Leave this to a professional. In case of any defectives please contact your local dealer
3.Place the handsets in a dustfree, dry and well ventilated room. Avoid direct sunlight
4.Keep handsets away from heat sources and water
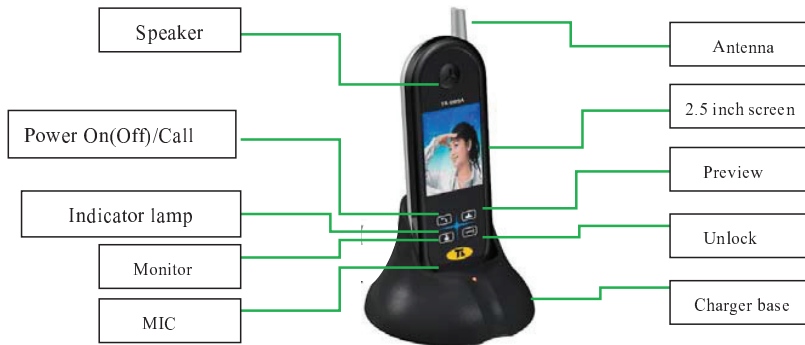5.Never use any cleaning chemicals or wet cloth to clean the handset. Only use a dry, clean and soft cloth

6.Do not use the product in places where there are explosive hazards
7.Do not drop the handsets or submit to heavy shaking
8.Keep chargers and power supplies away from liquids
9.Use your handset in temperature between 0 and 35° C
10. Storage temperature must be between -20 and 45° C

Technology parameter

	Indoor monitor		Outdoor camera		Recharge base
Item	External power	Li-ion battery power	External power	Li-ion battery power	External power
Input power	5V/1000MA	3.7V/1400MA	5V/1000MA	3.7V/1400MA	USB 5V
Shutdown current	200UA		0 MA		
Average working current	260MA		340MA		
Standby current	4-8MA		15-18MA	0MA	
Working voltage	USB 5V	3.7V-4.2V	DC 5V	3.7V-4.2V	
Transmission power	18-20dBm		18-20dBm		
Receive sensitivity	-100dBm		-100dBm		
Charging current	600MA		600MA		200MA
Charging time	3H		3H		
Operating temperature	-20℃-70℃		-20℃-70℃		-20℃-70℃
Transmission distance	Audio	Open land about 500M			
	Video and audio	Open land about 300M			

Product description

Indoor handset monitor

Speaker	Antenna
Power On(Off)/Call	2.5 inch screen
Indicator lamp	Preview
Monitor	Unlock
MIC	Charger base

Handset button description

"⬛" On(Off)/Call/<u>Confirm</u>

Answer or end a call when a visitor call from outdoor camera

press and hold this button for three seconds to power on or power off the handset;

In any mode press and hold this button for 8 seconds to RESET the handset to factory
settings

When handset link to usb power supply, press this button go to MENU mode

In MENU mode, it is the Confirm button

"⬛" Monitor

In standby mode, when outdoor camera is powered by electricity, press this button go to
monitor mode

In Calling mode, press this button to switch "video&audio" and "audio only"

In MENU mode, press this button to exit menu

"⬛" Preview

In standby mode, press this button to view images / up turning

"⬛" Unlock

In Calling mode, it is the button for unlock

In standby mode, it is the button for viewing the images / down turning

Handset Indicator light description

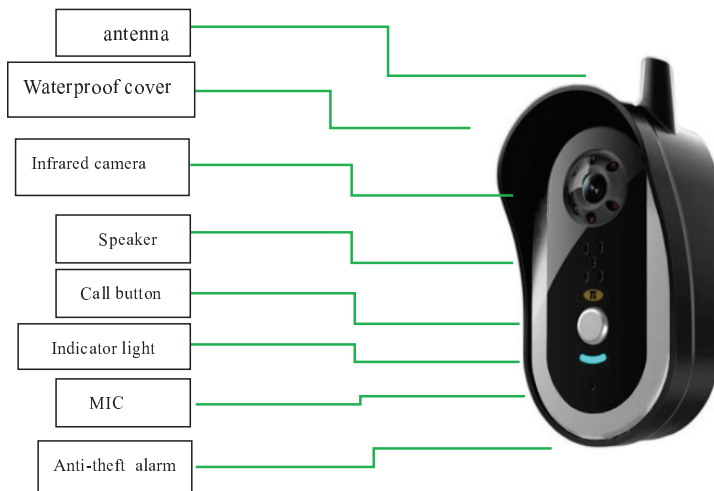Red and blue light

Standby：Blue light flash per 4 seconds

Low power：Blue light flash per second.

Charging：Red light flash per 4 seconds, screen displays battery charging symbol

Full power：Red light bright, screen display battery full charged symbol

Calling：Both blue and red light bright (purple)

Outdoor camera

| antenna |
| Waterproof cover |
| Infrared camera |
| Speaker |
| Call button |
| Indicator light |
| MIC |
| Anti-theft alarm |

Clear code button

Outdoor camera function description

Call button：In the standby mode, press the call button to call the indoor handset monitor

Infrared camera：In calling mode, the infrared light will automatic detect light in day/night, if the light is not bright enough, it will light up automatically

Clear code button: for   use of   "MATCH CODE" and "CLEAR CODE"

Outdoor camera Indicator light description：

Blue light only

Standby mode: when powered by electricity it flashes per four seconds in the standby mode(if only powered by battery, no light flash)；

Calling mode   : keep bright

Low battery: flash once a second   and handset screen display"OUT LOW POWER" in calling mode.

General operation

1. When a visitor press the call button on the outdoor unit(in standby mode), it sounds "du du ", connection is being made to the handset now

2. Handset displays video of visitor from outdoor unit and sounds "ding dong" per 10 seconds

a. If you answer the call (by press the ""),the ringtone stops playing and communication is started with your visitor (communication auto goes to "Audio Mode", you can press the "" button switch to "Video Mode",   "Audio Mode" range is longer than "Video Mode" range). conversation time can be maximum 120 seconds.

If handset is too far away from outdoor unit, and signal not so strong for "video&audio" transmission, the system will automatic go   to "Audio Mode" when there is a call from outdoor unit.

b. If no one answer the call within 40 seconds, outdoor unit sound one "di ", and the system return to standby mode, and it auto takes photo for the visitor and stores in handset.

3. During the conversation you can remotely unlock the door by press the " " button, this will operate the relay connected to the electric door lock

4. To end the communication you can press the " " button once again. The system return to standby mode

Monitor function:

In standby mode when outdoor unit is powered by electricity, you can active the camera by press the " " button on handset to see and hear what is going on in front of your door, handset screen displays "MONITOR" in monitoring mode.

Also you can decide to talk to outdoor unit or not by press " " button to select " TALK ON" or "TALK OFF" in monitoring mode.

Preview pictures:

In standby mode, you can press " " or   " " to preview the pictures stored in handset. When there is

new pictures not previewed, screen displays   " "   to prompt you.

When you are looking at a new picture, the top left corner of the picture displays word "NEW",   bottom of the picture displays serial number.   Handset at most can store 10 pictures, you can not delete the pictures, but the system will auto delete the oldest picture when picture amount is above 10 . If handset is re-powered on or battery replaced, all the 10 pictures will be auto deleted.

Alarm function:

If outdoor unit is disassembled in standby mode, will auto active the alarm function to inform the host there is a illegal operation or someone destroy the outdoor unit, and both outdoor camera and indoor monitor alarm "di di di"

You can stop handset alarm by press the " " button.

You can stop outdoor unit alarm by power off or fixing well the bottom panel in outdoor unit.

Initial Coding

Important: Your system has been pre-coded in our factory! You don't have to do the initial coding for first time use.

Before coding take place, please make sure you have cleared the existing code of outdoor unit and handset monitor. Refer to "Clear code" of this manual.

1. Use external USB to power handset (in MENU mode)

2. Press "" go to MENU, through "" or "" to select MATCH CODE, press "" to confirm "MATCH CODE", screen display "MATCH" when in coding mode.

3. press and hold the "clear code" button in outdoor unit, then connect outdoor unit to electrical power , still press and hold the "clear code" button for about 5 seconds till outdoor unit sounds "di di", then release the "clear code"button, it will auto go to "match code" mode.
4. if coding successfully outdoor unit sounds three "di di di", handset MENU back to the previous interface.
   If failed within 10 seconds need to repeat the above operation.

Note: After coding operation successfully, you have to re-power on the outdoor unit and handset to use the system.
      If coding operation failed you need to re- power on the system and repeat the operation
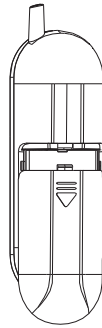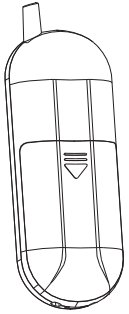
Clear code:

 Handset:
 1.Use external USB to power handset (in MENU mode)

 2.press "" button go to MENU, press "" or "" to select "CLEAR CODE", press "" button to confirm CLEAR CODE,

 3. Input code "0000" through "" or "" button, (when input the code, press "" button to move

position), press a"" button go to "Enter" after inputing the code, press"" button to confirm "Enter" to clear code, if clear code succeedfully screen displays "Clear Code Succeeded"

Outdoor unit

1. Power off the outdoor unit, press and hold the "clear code" button

2. Connect the outdoor unit to electrical power, still press and hold about 10 seconds till it sounds   "du du", (at first sounds "di di ", then sounds "du du ")   then release the button to clear code ,   if clear code successfully it will sound three "di di di"
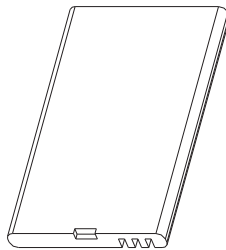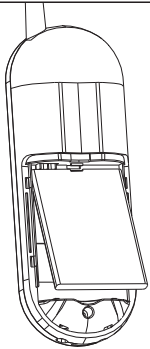
Note: if clear code failed you have to re-power on the system and repeat the operation
        if clear code successfully you also have to re-power on the system and go to other operations.

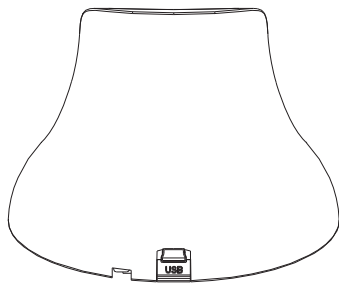**Handset disassemble & assemble**

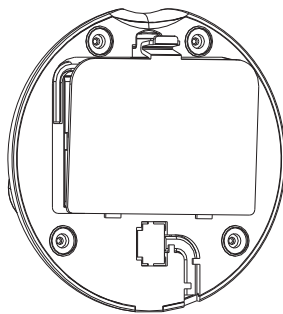| 1. Backside view | 2. push and pull the back panel |

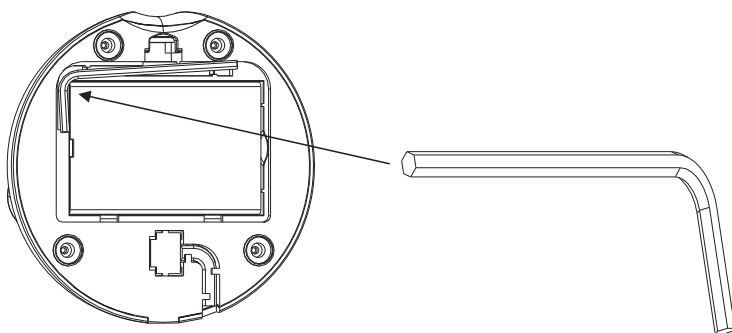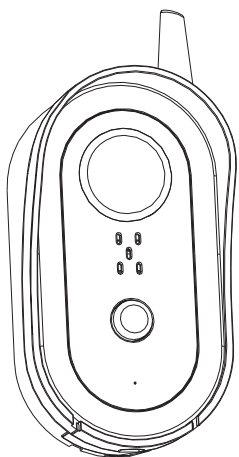| 3. disassemble battery | 4. battery |

Charging base

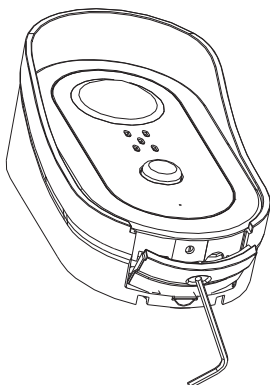1. charging base

2. view from bottom

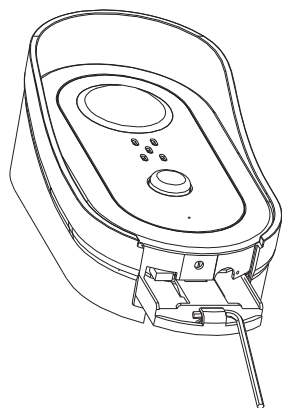3. screwdriver for disassemble and assemble the door camea
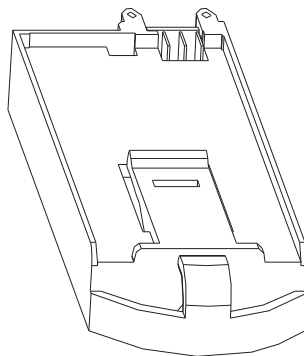
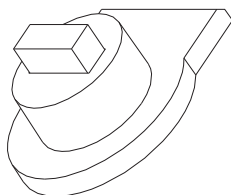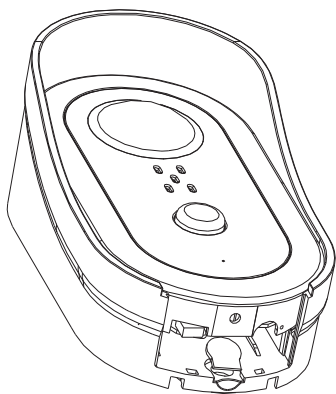**Outdoor camera disassemble& installation**
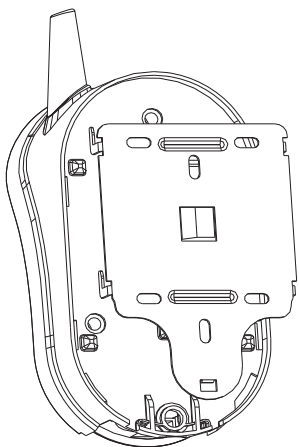
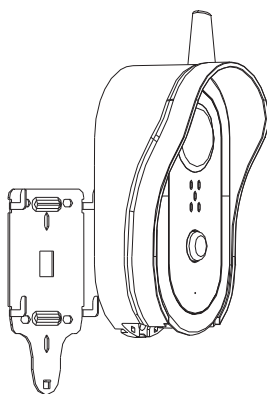1. whole view

2. unscrew the bottom

3. remove the battery box

4. battery box

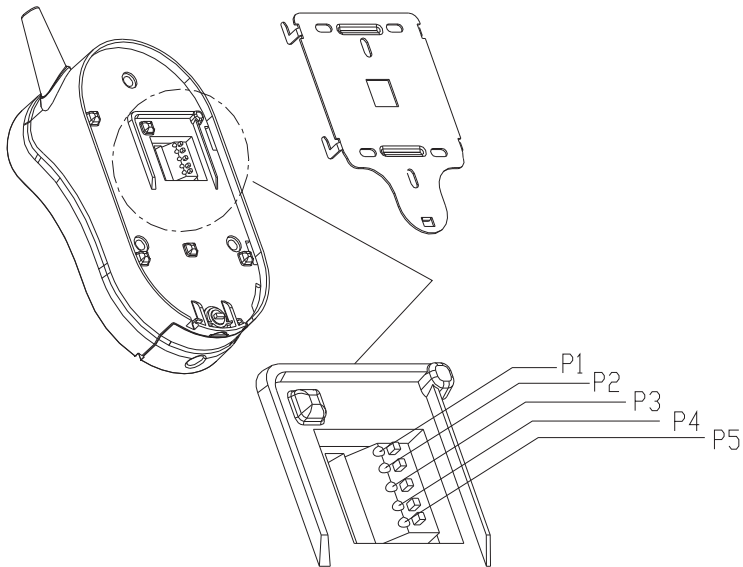5. remove the small anti-disassemble deveice

6. remove the iron plate

7. fix the iron plate on the wall

Power & Lock connection

P1
P2
P3
P4
P5

8: Backside wiring diagram

P1： 5V Power supply positive   P2: 5V Power supply negative

P3： Relay closed   P4：Common\   P5： Relay open

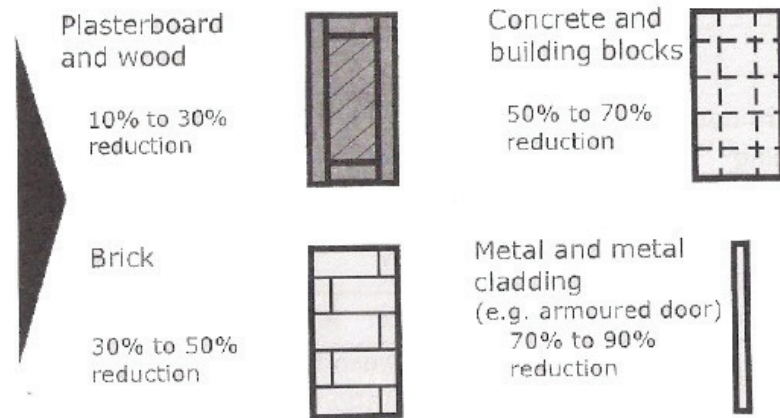**Trouble shooting**

Problem	Check	Solution
Sound/image is intermittent	Check if is low power	Recharge or replace the battery
	Check if is out of workable range	Make sure the system is in workable range
Can't communication	Check if battery is low or extra USB power supply is proper	Replace battery or make sure extra USP power supply working properly
	Check if code is cleared	Match code again
Can't unlock	Check if lock connection is well connected	Fix well the lock connection
	Check if the lock is faulty	Replace the lock
	Check if unlock relay is faulty	Contact us for repair
battery operation time is short	Check if battery using time is over the battery life	Replace battery

Propagation of radio waves

Radio frequency or radio waves are used for wireless communication between outdoor and indoor stations.

The performance of wireless communication depends on the environment where it is applied. Radio coverage quality will be affected by possible blockage between transmitter and receiver! Think about walls, concrete, metal (armored doors, elevator shafts, etc.), plasterboard, wood, etc.

Plasterboard and wood — 10% to 30% reduction

Concrete and building blocks — 50% to 70% reduction

Brick — 30% to 50% reduction

Metal and metal cladding (e.g. armoured door) — 70% to 90% reduction

Not only visible obstructions can affect wireless quality, we get interference from electric or electromagnetic devices as well! Think about wireless routers, microwave ovens, TV's, etc.

It is important to test the wireless coverage on site before starting the installation!

Warranty:

One year guarantee