

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.

【 KDB302A 】

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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

Performance parameters:

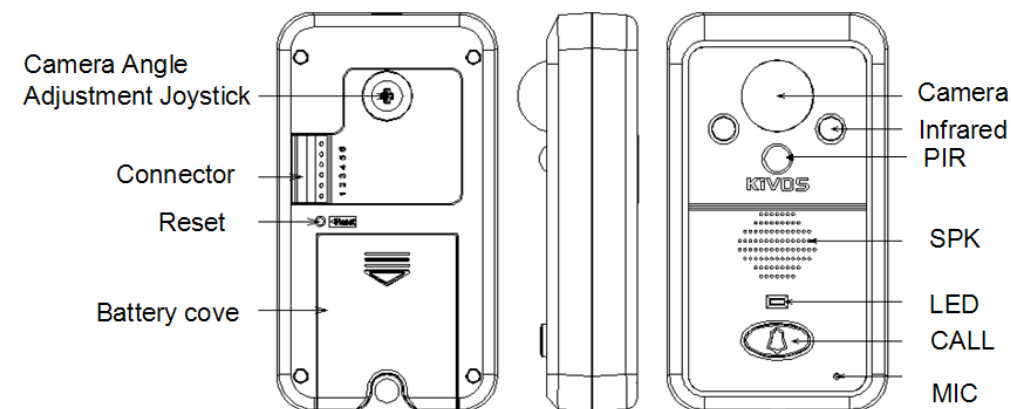
| | | |
|--------------|-------------------------|---|
| Outdoor unit | Power | Specific lithium battery BP-6M(1100mAh) |
| | Consumption | 400mA |
| | Outline dimension | 134*74*31mm |
| | Weight | 122g |
| | Environmental condition | Temperature: -10℃~+50℃ |
| | Waterproof grade | IP55 |
| | Placement | 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℃~+40℃ |
| | 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 |
|----------------------|--------------------------|

Product Diagram

Outdoor unit:



Indoor monitor:

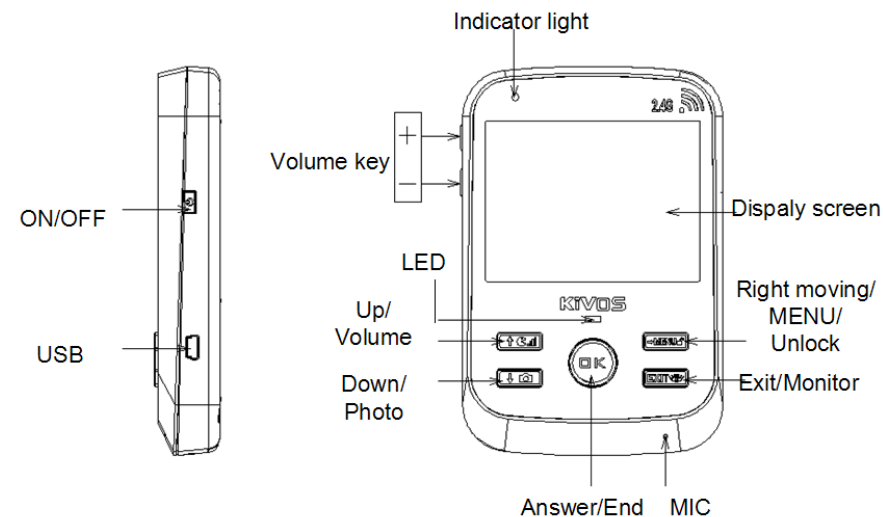
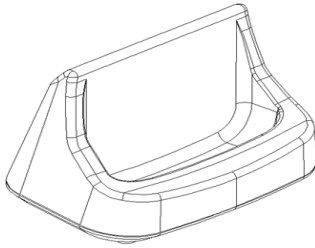








Table type holder for Indoor monitor:



Key introduction:

A. Indoor monitor Keys (7pcs Key) :

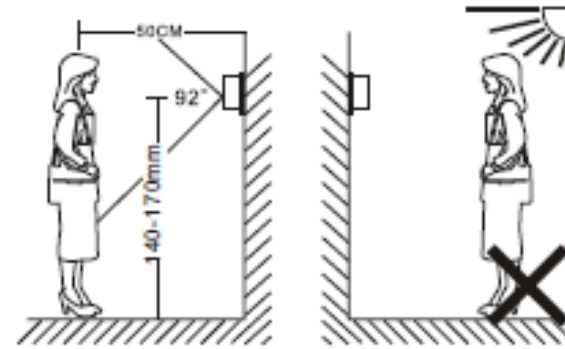
1.  : off-hook and on-hook key; connecting key.
2.  : up option key for menu; adjustment key for volume.
3.  : down option key for menu; photo taking key when calling or monitoring.
4.  : exit key for menu, monitor key.
5.  : right option key for menu; menu key; unlock key.
6. "ON/OFF": power "ON/OFF"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

B. Outdoor unit keys

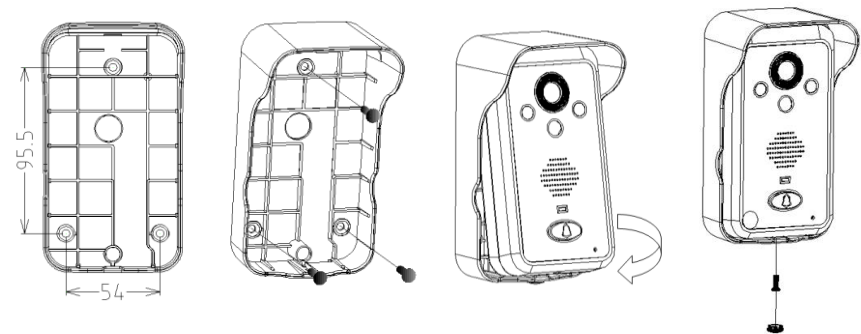
1. Doorbell key: ring the bell and trigger photo-taking if nobody answers.
2. Reset: match the communication code with the handset.

Installation Guide

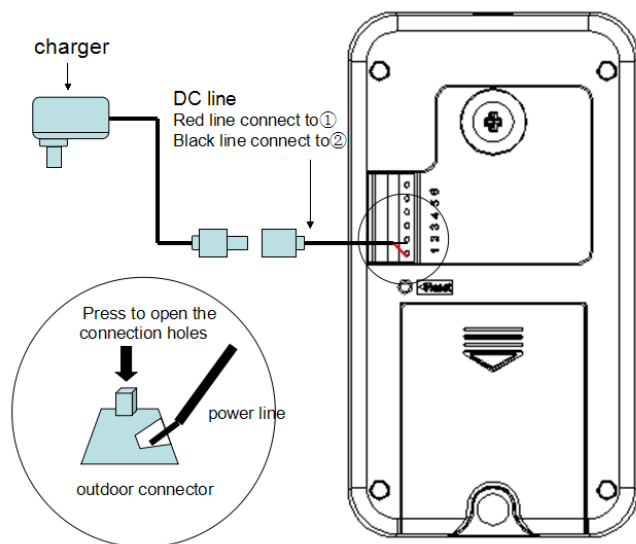
Outdoor unit shall be installed at 1.4~1.7 meter above the floor, and the camera shall avoid facing the sunlight directly. Please do not install outdoor camera on metal plate, metal plate shall affect transmission signal.



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:

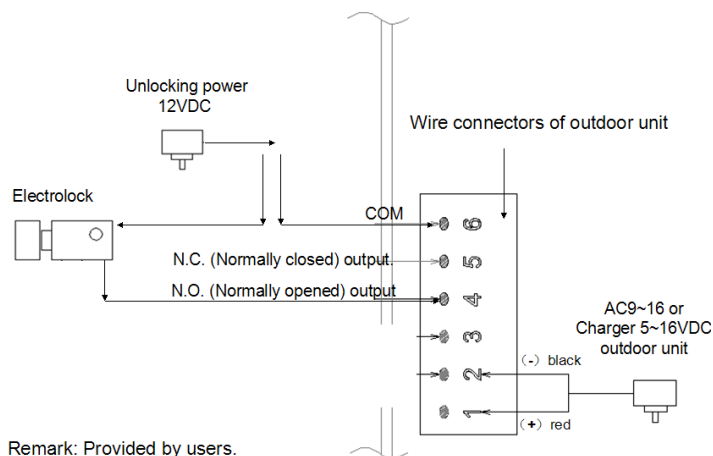
If electro lock maintains open: connect to point 4

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



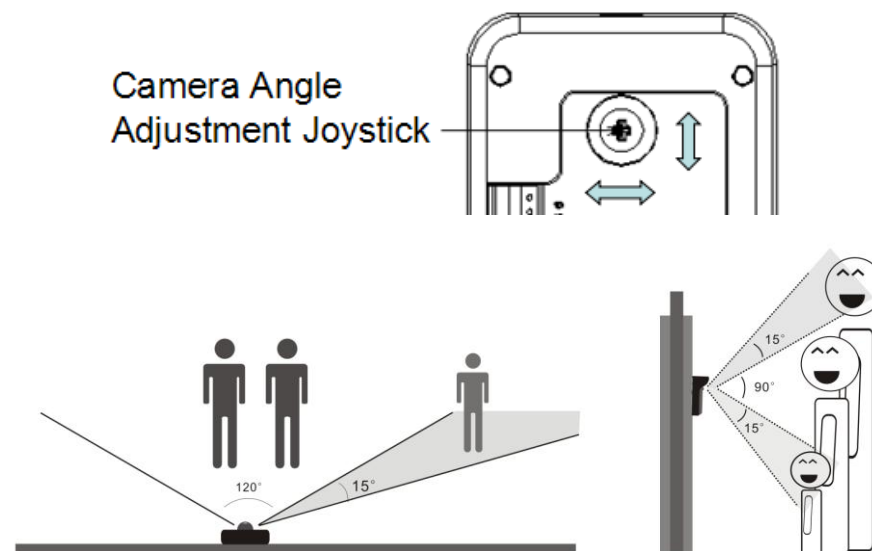
Remark: Provided by users.

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.

Camera Angle
Adjustment Joystick

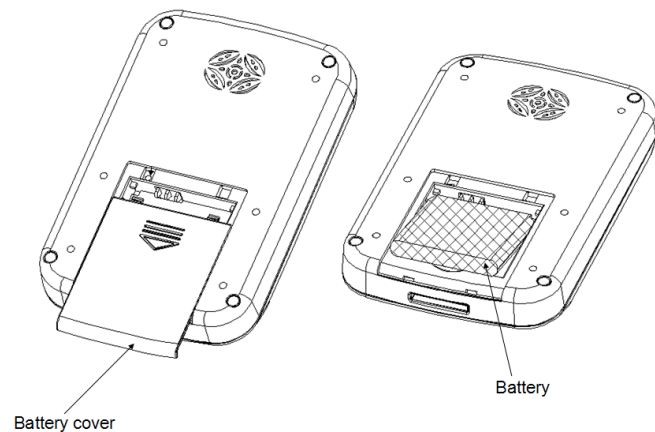


Attentions During Installation

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.

Battery Installation

1. Move the battery cover downward parallelly, and then take it off.
2. Insert battery along the battery slot, notice the front and reverse side of battery
3. Fit on the battery cover.



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 “Power” 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.

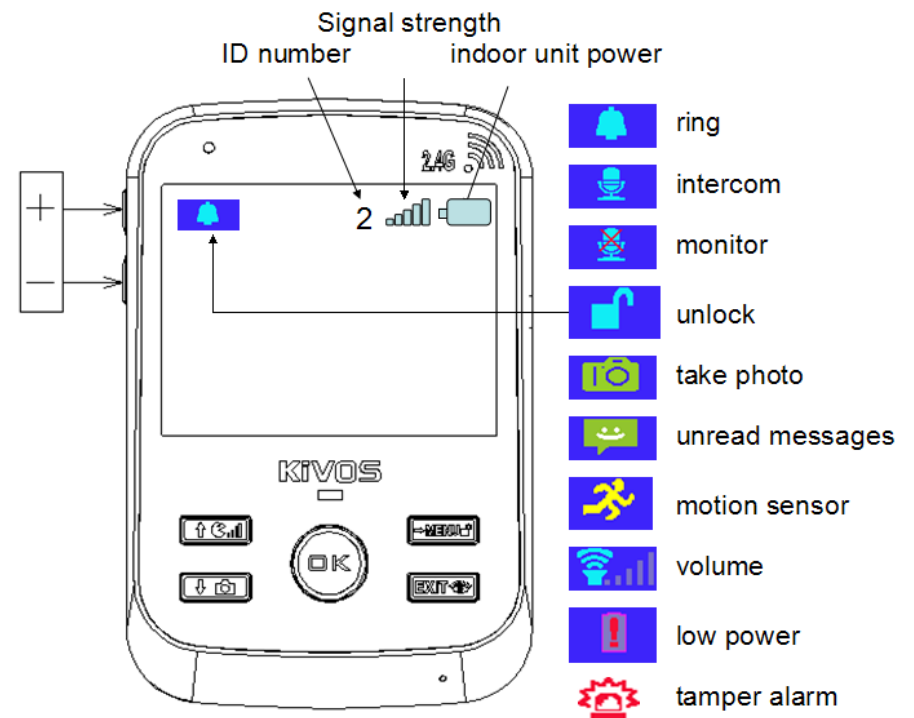
Display: standby picture, unit ID, signal sign, power sign, time & date.

Standby: blue LED flashes every 4 seconds.

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

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

Indoor monitor screen icon instructions

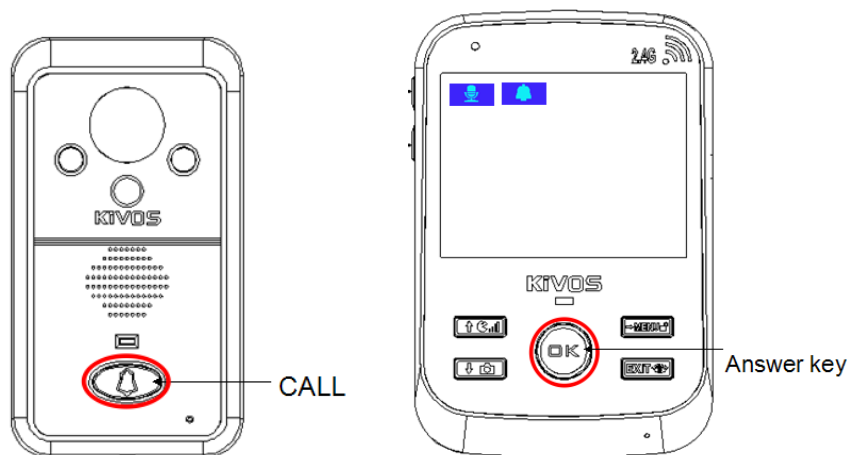


Outdoor Unit Call Indoor Monitor

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 **ring** icon. If there is no reply signal from indoor monitor in 60 seconds, the outdoor unit ends the call.

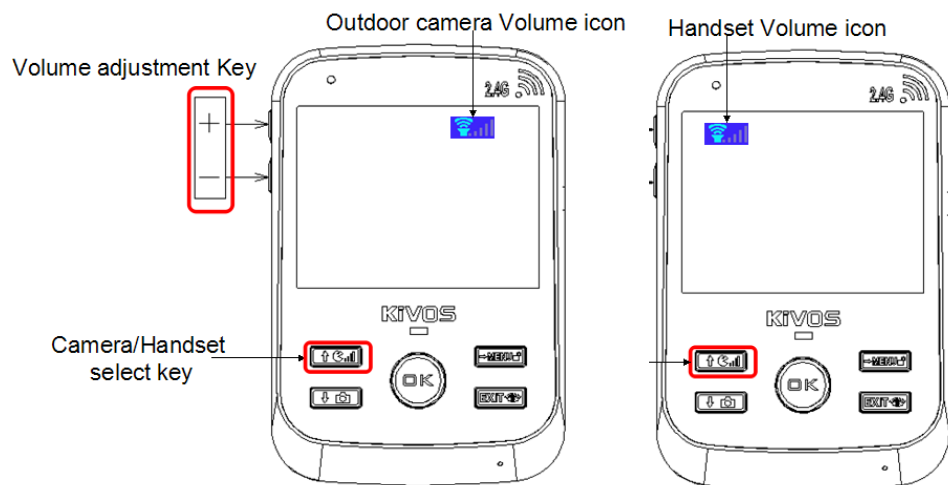
Indoor monitor press “**OK**” to get into intercom mode, blue LED of indoor unit turns off, red LED lights up, in two-way intercom mode indoor unit shows **intercom** icon, intercom ends after 90 seconds.

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.



Indoor handset monitor outside

In standby mode, press to monitor.

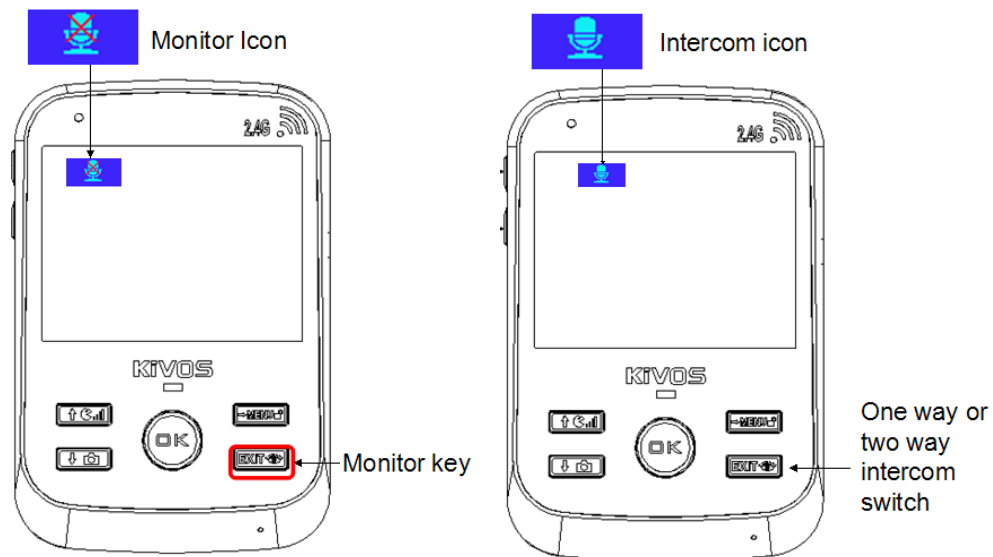
If monitor did not receive signal in 5 seconds, display shows “User not online” and exit. If monitor received signal, display shows image and speaks voices from outdoor unit with displaying icon, outdoor camera has no voice and enter monitor mode.

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.



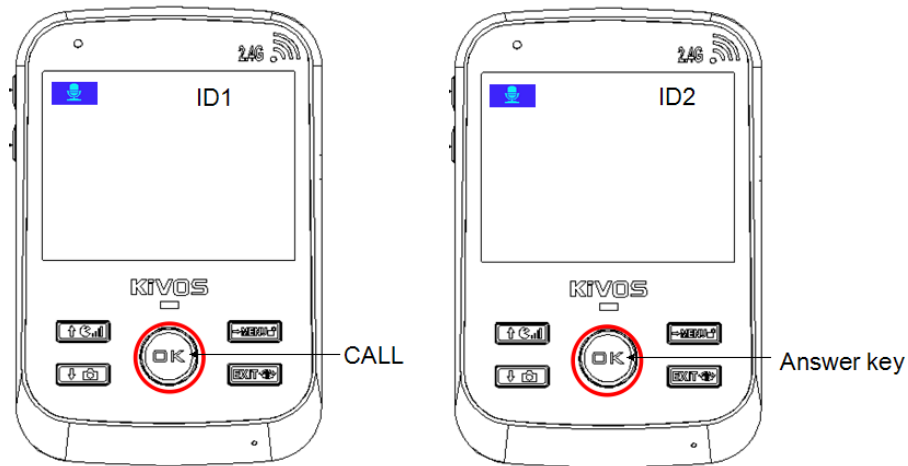
***Intercom between monitors** (At least 2 pieces indoor handsets are in a system.)

- Two monitors in a system, in standby mode, press to call another monitor.
- Three monitors in a system, in standby mode, press to call smaller ID monitor, press to call bigger ID monitor.

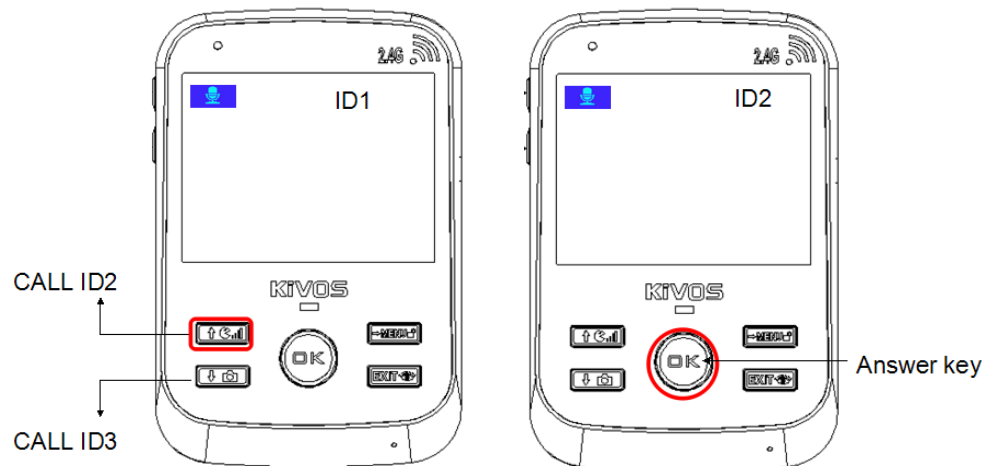
- If failed to connect, calling monitor displays “User not online” with a beep, and exit.
- Press **OK** on called monitor to answer the call by two way intercom, intercom time is 90 seconds.
- During intercom, press **OK** by any side, intercom ends with a beep.

As picture:

1. Two monitors in system



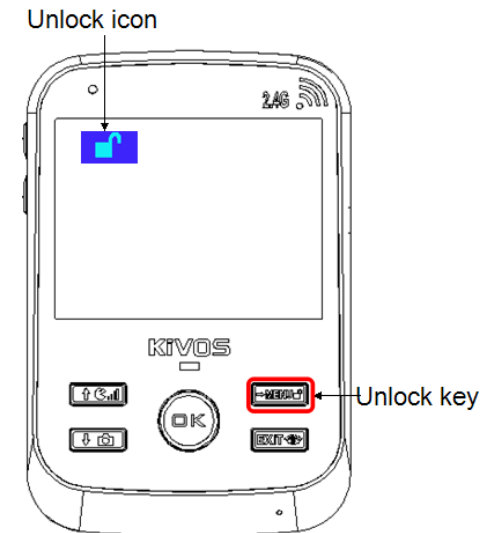
2. Three monitors in system



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)

Unlock the door

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





Take photo

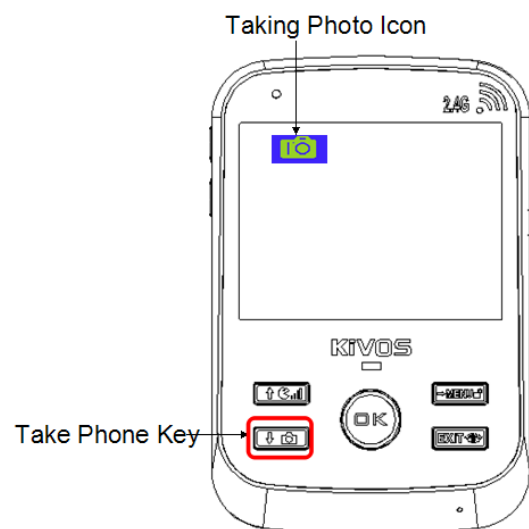
Automatically taking photo mode:

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 **OK** 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** to 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.

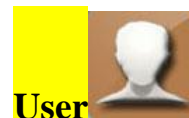
Note: Unplug the power and reset, all call history will disappear.



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.



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.



Enter into Language menu.

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



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 **EXIT** to exit.

(3) Ring time

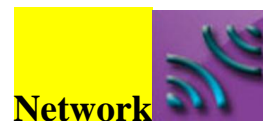
Enter into “Ring time” menu, set time 10s, 20s, 30s, 40s, 50s or 60s for choice.

- 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.
- Pres **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.

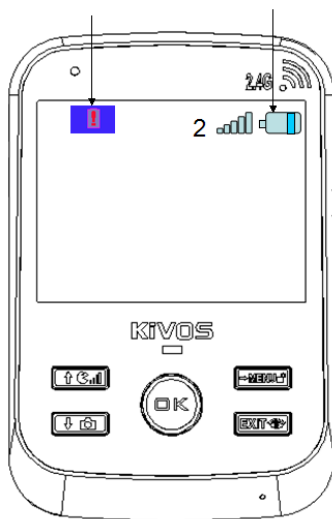
- Press **↑↓** to choose “Yes” to clear code, press **OK** to confirm and exit.
- Press **↑↓** to choose “Quit” to quit code clearing, and exit.

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

Statement

The standard configuration for KiVOS 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. |