Thank you for purchasing our wireless colour video door phone system.

Before carrying out the installation, please read this user's manual carefully and follow all the guidelines during the process of installation and operation.

Contents

Features

- Wireless colour video doorphone
- Mobile handset with 2.4" TFT-LCD screen
- Identify and screen callers
- Unlock doors remotely for visitors
- 12 selectable ringtones
- Handset to handset communication
- Infra red camera in outside call station to see callers at night
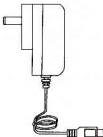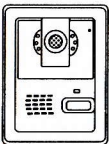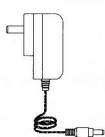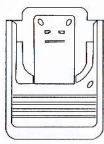- Snap and recording function
- Photos and recordings check and play
- Built-in surveillance function
- Expand to a 2-way system by adding a call station & handset
- Rechargeable battery via mini USB interface of handset
- Easy to install
- Range in free field 300 meters*

Components checklist

Package contents:

One outdoor camera/call unit , one handset monitor (including Li-ion rechargeable battery), one charger for handset monitor , cradle and screws for fixing the call station on the wall.

Handset monitor	Charger	Call unit	Power adaptor	Cradle

*Please read important information on page 14

Products description

HANDSET

- Speaker
- 2.4G antenna
- ON/OFF
- Status indicator
- 2.4 inch LCD
- Code clearing
- Unlock
- Reset
- Monitor
- Answer
- Brightness+
- Brightness-
- Microphone
- Navigation keys

CALL UNIT

- Infrared LED
- Microphone
- Camera
- Status indicator
- Call Button
- Speaker
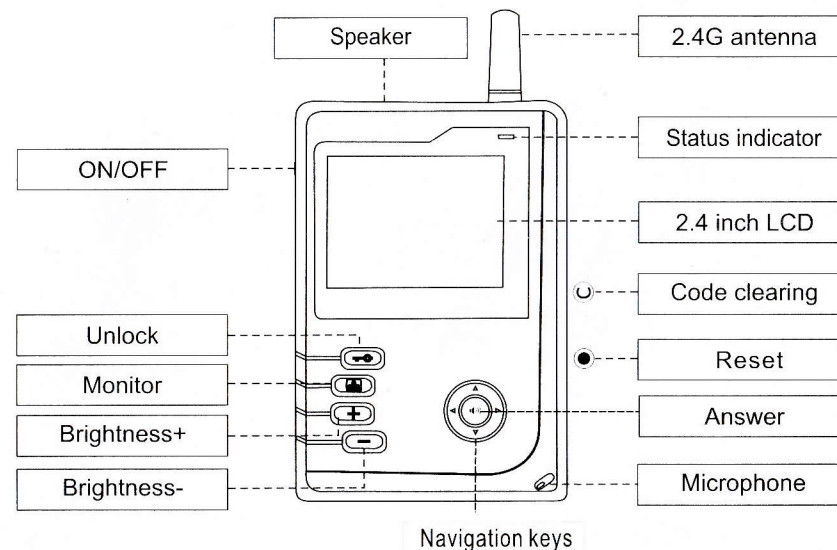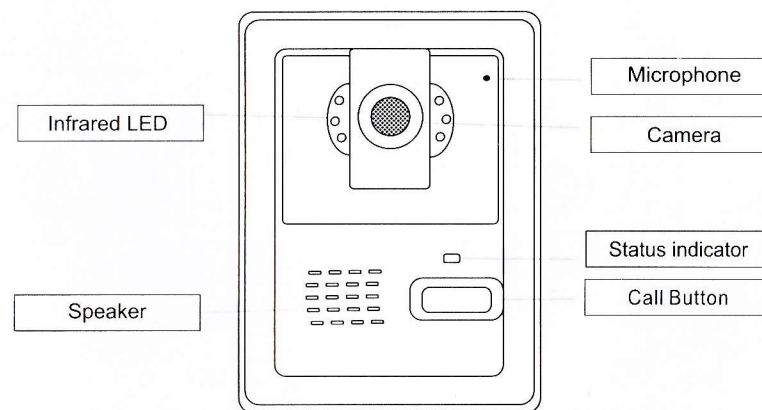
Handset cradle:

1. Desk mounted
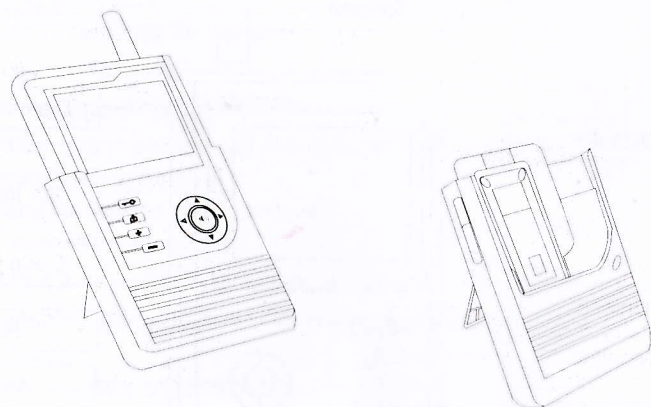
2. Wall mounted

Charger fixing procedure

(1)

(2)

(3)

(4)

(5)

(6)
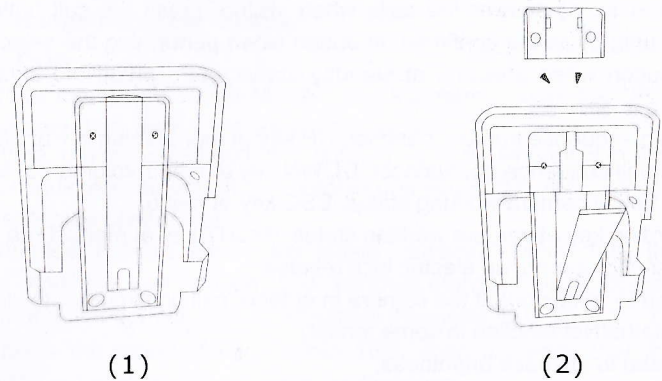
Handset button description

"ON/OFF"button: It is used to power on/power off of wireless handset monitor.

" 🔊 ": Is used to: a) answer the calls when visitors press the call button on the outdoor call unit; b) as the confirmation button when performing the selection; c) as the menu button when pressing at standby status;c)turn on/off the infrared lights when camera is on.
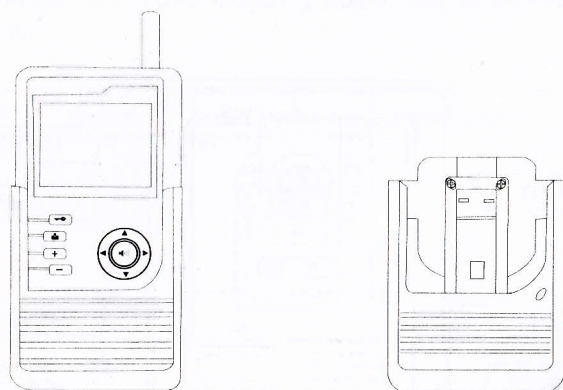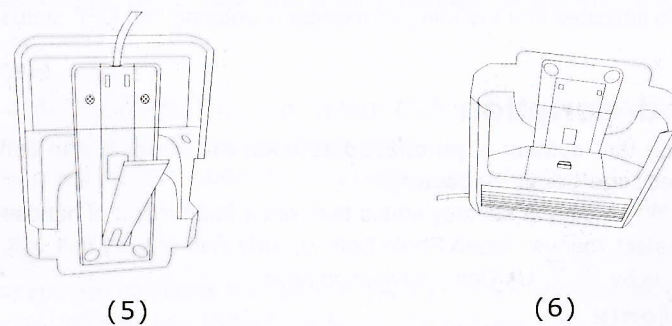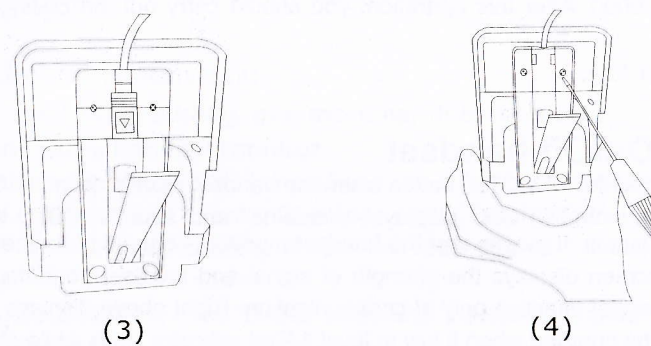
" ▲ ": Call big sequence number handset; UP key at menu,Volume + at talking

" ▼ ": Call small sequence no. handset; DOWN key at menu,Volume - at talking.

" ◄ ": Snap key at camera working status; ESC key at menu.

" ► ": Recording key at camera working status; RIGHT key at menu(Time set).

" ⊶ ": It is used to operate an electric lock release .

" 📷 ": Is used to switch on/off the camera in outdoor call unit in order to view outside in standby status(Not function in some model)

" ✚ ": It is used to increase brightness.

" — ": It is used for reducing brightness.

" ⊚ ": Is used to clear the previous code and reset the Code security password to default four 0000. After this operation, you should carry out the coding procedure again.

" ⬤ ": Reset key.

Power On/Off handset

Press and hold the "ON/OFF" button when the handset monitor is in the OFF status, until the 2.4 inch TFT-LCD displays "Welcome" and sounds "Di" tone, then release the button. It means that the handset monitor is entering into the ON status. Left up of screen displays the strength of signal and handset no.(default is 1),the strength of signal effective only at communication. Right above displays the electric quantity,it'd be charged when it low to level 1.Red indicator lights while charging and go out after fully charged.

Press and hold the "ON/OFF" button when the handset monitor is in ON status, then the 2.4 inch TFT-LCD will show "Goodbye"and create one "Di" tone, then release the button. This indicates that the handset monitor is entering into OFF status.

MENU description

Note: When the system is purchased as a kit, the handset and call unit have been coded together at the factory.

Press the "🔊" button at standby status then enter Main menu of handset, there are total six select menus: Video,Photo,Setting,Code,Call History,Exit,you can select these menus by "▲ ▼"Up/Down navigation keys.

Code Menu:

Enter Code menu, screen display: Input Password: Password:0000. The default password are four 0,you just press the "🔊"key to confirm and enter code submenu, There are 6 items: Match Code,Give Code,Receive code,Clear Code.Own ID set,Password_setup.

Code description

Note: When the system is purchased as a kit, the handset and call unit have been coded together at the factory.

Match Code

1)Enter Code menu and select Match code submenu, press the "🔊" button to confirm the operation, then it will enter the coding status.

2).At this time, press the call button in outdoor camera when it is in standby status until the red indicator remains lit and creates one sound "D", then release the button and it will enter the coding status.

3).If the handset monitor shows the letters "success" within 16s, the coding is successful and the call station and handset monitor have successfully paired; at this time, the outdoor call station will create 3 sounds "D D D". If the handset monitor shows the letters "failed" within 16S, then it means that the coding is failed and the outdoor station will have no response.

Note：After successful coding, the handset monitor is No.1 handset(default) ; if coding is failed, you should do the coding again.

Give code and Receive code

(Only required when adding one more handset monitor.)

Adding one more handset monitor :

1).Enter Code menu of the coded handset and select Give code submenu,press the "🔊" key of coded handset to enter Give code status, use Navigation key to select the item of Receive code submenu on another code cleared handset and press confirm key " 🔊 " to receive code.

Within 16S, if you hear the three "D D D" tones and the screen shows "success" , the coding has been successful. Otherwise you'd code it again.

2)After finishing code, you'd manually press the ESC key of the giving code handset to exit Give code status or wait 60s for the auto exit.

Note: Before coded, you'd clear the code of handset which will be coded.

Clear Code

At Clear code submenu,you can select Clear to clear the code of the handset or select Back to escape clear code.

You can also press the "⊚" button to carry out the code-clearing

Own ID set

By this submenu you can know the handset identify number and you can change the number by Up/Down key. Default the first coded handset is no.1, the second coded handset is no.2. The identify number is displayed on left up corner.

Note: The 2 handsets can't have the same ID no. in one system.

Password Setup

By this submenu you can reset the security password of Code. Use Right key to select the digit, use Up/Down key to increase/decrease the number, press " ◀))) " key to confirm.The screen will display "Success" if the old password is correct,if the old password is wrong the screen will display "Failed".ESC key(Left key) can terminate the setup and escape to previous menu.

Note:The default password of factory are four 0.Press the Clear code key "⊙" at left side will reset the password to four 0.

Setting

Enter Setting menu, there are six submenus:
Ringing tone, Ringing type, Time/Date set, Backlight time,
Auto REC and Version.

Ringing tone

Enter this submenu the cursor position at the current ringtone, you can press "◀))" key to hear, also you can select your favor ringing tone by Up/Down key, and press "◀))) " key to confirm the selection.

Ringing type

There are four ringing types: Ring only, Vibrate Only, Ring+Vibrate, Silence. You can select by Up/Down key and press " ◀)) " to confirm.

Time/Date set

By this submenu you can select the Time/Date by Left/Right key and adjust it by Up/Down key and press " ◀)) " to confirm.

Backlight time

By this submenu you can set the screen backlight display time by Up/Down key.

Auto REC

By this submenu you can select auto REC on/off by Up/Down key. At Auto REC on status,if handset not respond the calling from call station in 10 seconds,it will start recording.

Version

Check the version of software.

Photo menu

Enter Photo menu,the screen will display the file names of photo already taken, select one file and press the "◀))" key will enter submenus of View,Delete,Delete All,choose the item you want to operate and press "◀))" key to confirm or press Left key to escape.

Video menu

Enter Video menu,the screen will display the file names of video already recorded, select one file and press the "◀))" key will enter submenu of Play,Delete,Delete All,choose the item you want to operate and press "◀))" key to confirm or press Left key to escape.

Call History menuy

Enter Call History menu the screen will display the auto REC file names not respond by handset,also you can play or delete it.

Exit menu

By this menu the screen will escape to standby status.

Basic operation

Call operation

1).In standby status, when a visitor presses the call button on call unit, then the power indicator will light;.

2).a.If not receiving a response signal within 4S, then it will sound "DDDD" and end the calling, return to the standby status.

b.If any one handset (two or three handsets) receives the signal, the outdoor unit sounds "Du Du", then the power indicator of handset will light red and play the selected ring tone, meanwhile the TFT-LCD will display the visitor's image.

3).a.If no one answers the call, the call will last 60S and return to the standby status.

b.If some one presses the " ◀)) " button on anyone handset, then it will stop playing the ring tone and enter the "talking" status (The indicator in handset monitor will turn from red to green and stay lit), the talking time is 120S.Other handset(s) will sound "D" and return to standby status.

4).In "talking" mode, pressing the "⊶" button will operate the relay at the call unit(or transmitter) which be connected to operate an electric lock release and allow the visitors enter, the monitor will display "unlock" .

5).In "talking" mode, the user can press the "◀))" button again to end the talking, and then handset monitor will enter the standby status after sounding one "D" tone.

6)In "talking" mode, press Snap key(Left key) will snap a picture and store in SD card.

7)In "talking" mode, press Record key(Right key) will start recording and press the

Surveillance

1).Press the " 📷 " button to select the outdoor camera you want to monitor(if there are 2 outdoor stations in the system)when the handset monitor is in standby status.

2).If the outdoor call station receives a signal within 4S, then it will display the outdoor camera picture; if not receiving the signal within 4S, then it will auto-exit the monitor status.

3).In monitor status, press the " 📷 " button again, and then it will exit the monitoring of outdoor call station. The monitor time is 20 seconds. After 20S, it will auto-exit the monitor status.

4)In monitor status,press Snap key"◀ " can get a snap of outdoor camera.

5)In monitor status,press Record key" ▶ " can get recording of outdoor camera,press the key again to stop recording.

6)In monitor status,press "◀))) " key can turn on the infrared LED of call unit.

7)In monitor status,press "🔓" unlock key can release the electric lock.

Handset intercom

(If the system including two or there handsets)

1).In standby status, press Up/Down key at handset to call another handset. if the user presses the " ▲ " key at one handset,it will call big number handset,if you press the " ▼ "key it will call small number handset, then the red indicators will light and enter the call status. the screen will display "talking".

2).a.If there is no response signal within 4S, after "D D D D" tones, the handset will exit the call status and return to standby status.

  b.If receiving a response signal within 4S, then the calling handset monitor will play the selected ring tone and the called handset indicator will lit red and sounds selected ringtone.

3).a.The calling will exit if the called handset not responds within 30S.

  b.If the called handset answers the calling then the two handsets will stop playing ringtones and enter talking status .The talking time is 60S.

4).Press either "◀)))" key on handset will sounds "D" and escape to standby status.

USB Port

When you plug in USB port in standby status (handset with SD card), the screen will display "USB Charge mode" and "USB Storage mode",in Charge mode,the handset only can be charged. In storage mode,the handset as a storage and the files in SD card can be viewed or deleted by PC.

Memory Card

SD card. Maximum capacity is 16G.

Installation
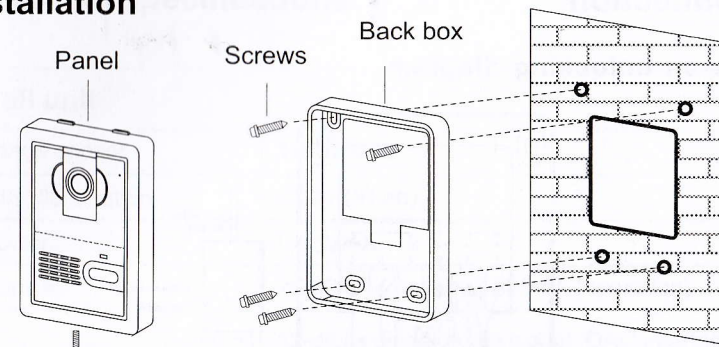
Step 1: Install the back box

Step 2: Install panel

1).Release the call station from back box by removing the locking screw under the front edge of the unit.

2).Drill proper wire-through holes according to the mounting units.

3).Use four screws to fix the installation panel on the wall.

4).Connect the cables from wire-through holes and square holes of rear panel in the call station.

(When an electric lock is not being connected, any unused cables or terminals should be protected and insulated to avoid the possibility of short circuits)

5).Use screws to fix the door station on the rear installation panel.

Unlocking time setting

1).The 1st unlocking time is 1.8S (In default status, this is the 1st unlocking method). With power disconnected from the call station, press and hold the call button in outdoor call station, at this time connect the power to call station, when the unit sounds a single "D" tone, release the call button and the unlocking time will now be set at 1.8 seconds.

2).The 2nd unlocking time is 4S. With power disconnected, press and hold the call button on call station, and connect power to this call station. When you hear two "D D" tones, release the call button and the unlocking period will be set at 4 seconds.

3). The 3rd unlocking time is 8S. With power disconnected, press and hold the call button on call station, and connect power to the call station. When you hear three "D D D" tones, release the call button and the unlocking period will be set at 8 seconds.
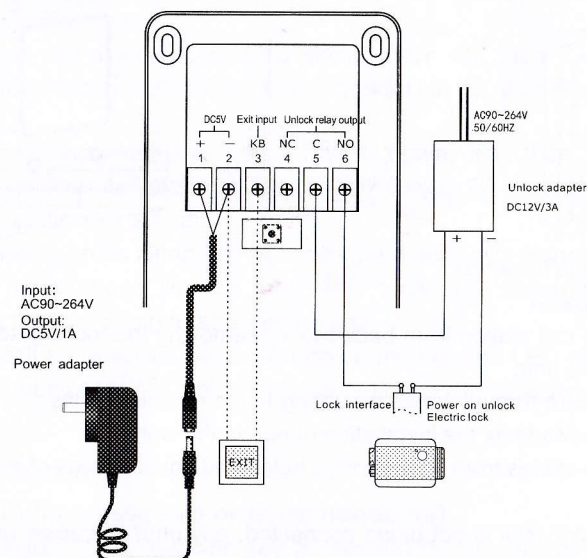
Note: The users can only unlock for the visitors during the talking and communication mode.

In communication status, if either part is powered-off, then the other will return back to standby status after one "D" sound.
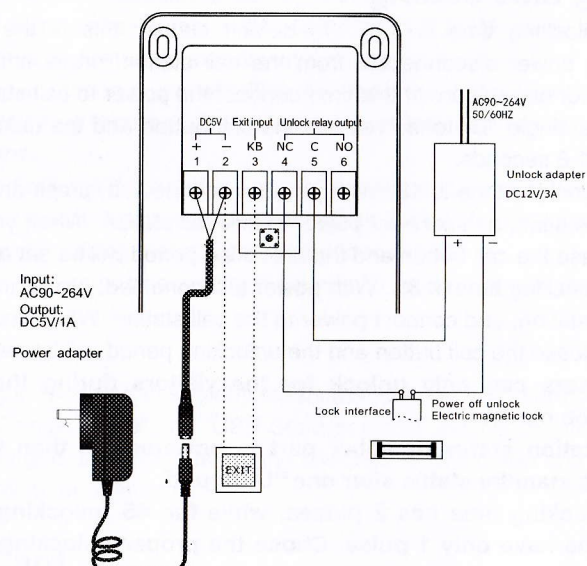
The 1.8S unlocking time has 2 pulses, while the 4S unlocking time and 8S unlocking time have only 1 pulse. Chose the proper unlocking time as your request.

Lock connection

1）. Power-on unlocking diagram

DC5V   Exit input   Unlock relay output
+   −   KB   NC   C   NO
1   2   3   4   5   6

AC90~264V
50/60HZ

Unlock adapter
DC12V/3A

Input:
AC90~264V
Output:
DC5V/1A

Power adapter

Lock interface

Power on unlock
Electric lock

EXIT

2）. Power-off unlocking diagram

DC5V   Exit input   Unlock relay output
+   −   KB   NC   C   NO
1   2   3   4   5   6

AC90~264V
50/60HZ

Unlock adapter
DC12V/3A

Input:
AC90~264V
Output:
DC5V/1A

Power adapter

Lock interface

Power off unlock
Electric magnetic lock

EXIT

Technical specifications

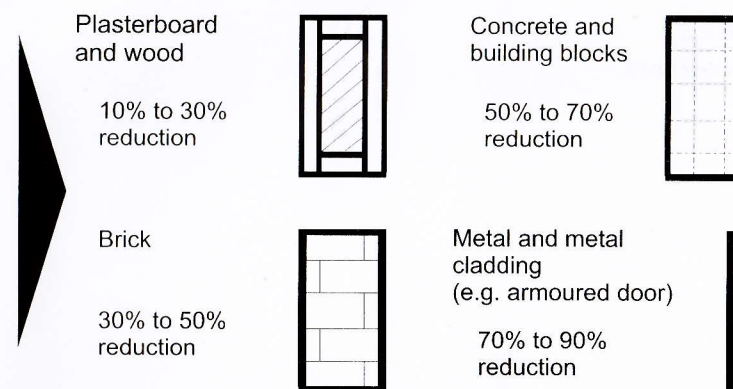| Call unit	
Image sensor	1/4" CMOS
Min. illumination	0 Lu×(IR on)
Power	DC5V/1A
Current	20-30mA (standby), 300mA (operation)
Audio input	12-digits digital audio signal, DAC interface, 8Kbps sampling speed rate
Image compression	MJPEG compression
Transmission power	16~20dBm
Ringing tone	12 options selectable
Dimension	127mm(H)× 95mm(W)×45mm(D)
Weight	245g
Monitor	
Screen	2.4" TFT LCD
Effective pixels	320×240
Power source	DC4.5V/0.8A (rechargeable battery operated)
Battery charging time	For the first time, it is 7~10 hours; Later around 4 hours
USB port	For battery charge or link to PC
Current	20mA~30mA/3.7V (standby), 250mA (operation)
Receiving sensitivity	-90dBm
Dimensions	145mm(H)×79mm(W)×21mm(D)
Weight	135g

Trouble shooting

Malfunction	Checking	Debug
Will not power on	Check by pressing the ON/OFF button	Press the ON/OFF button fully
	Check whether the power of lion battery is enough or not	Charge the battery
	Check the batteries of call unit	Properly seat the batteries
Battery not charging	Check whether the socket in power adaptor is plugged into the Mini-USB charging interface	Re-connect the socket and Mini-USB charging interface
	Check whether the power adaptor is plugged into the AC110~240V correctly	Plug the power adaptor into AC110~240V socket
Cannot talk between two handsets	Check the coding between two handsets or two call stations	Clear the existing codes and re-code them
Images is flashing	Check whether the handset/s or callstations are located close interfering equipment such as TV sets or microwave ovens wireless router,etc	Keep handsets far away from the interfering equipments
No signal in the handset monitors	Check the battery of call unit and handset	Properly seat the batteries
	Check the distance between handset monitor and outdoor camera	Adjust the outdoor camera and handset monitor into proper distance
	Check whether there is nearby interfering electrical equipment such as microwave oven or wireless routers, etc	Keep away from strong magnetic, radio or electrical fields

Propagation of radio waves

The radio coverage quality, and therefore the performance of the doorphone, may be altered by obstacles located between the call unit and the interior handset unit: walls, partitions, slabs, armoured doors or lift shaft comprising metallic components. (Furthermore, radio coverage may also be affected by electrical or electromagnetic interference).

It is important to choose the proper site to installation the call unit to avoid the obstacles which influence the radio range.

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

Handset Battery specifications:

Battery	Type	Standby time	Charging limited voltage
3.7V,1050mAh	Li-ion battery	72hour	4.2V

The above marked time is in the specific situation and atmosphere
Use the authorized charger only
Do not disassemble the batteries
Do not short -circuit the batteries
Do not expose the batteries to extreme hear, fire or water

Notes

1).Handset monitors should be situated away from heat sources and water.
2).Products should be opened only by the professional personnel. If there is a malfunction please contact us or our agents.
3).Handset monitors should be located where there is a good ventilation, dry, dustless and not in direct sunlight. Don't use the chemical impregnated or wet cloth to clean the products. Clean, soft, dry cloth can be used to clean the products.
4).Please install the products according to this instruction manual to avoid of damaging to the products.

Guarantee

One-year warranty.