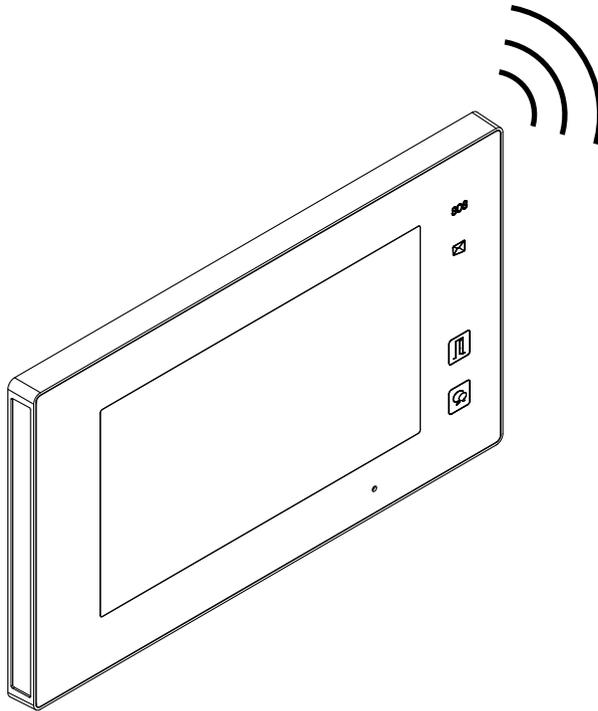


# CDVI 2 WIRE HOME Wi-Fi SYSTEM

## CDV47DX

7" COLOR TFT Wi-Fi MONITOR



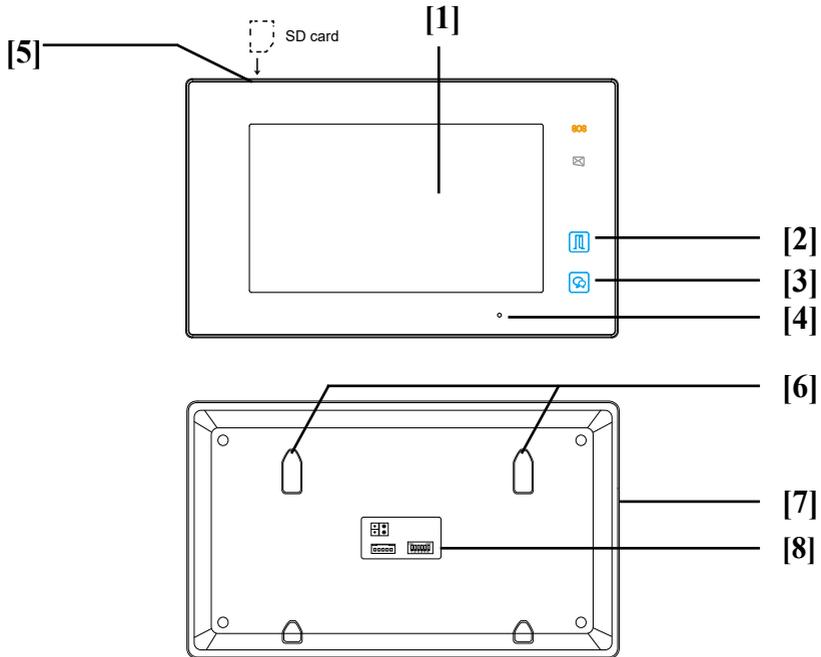
- Please read this manual carefully before using the product you purchase, and keep it well for future use.
- Please note that images and sketch maps in this manual may be different from the actual product.

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# 1. Parts and Functions



## Key functions

NO.	Item	Description
[1]	Digital LCD touch screen	See the next page for details Display the visitors' image
[2]	Unlock button	Press to release the door
[3]	Talk/Mon button	Press to communicate hands free with visitor Press to view the outdoor condition in standby mode
[4]	Microphone	Transmit audio from one station to other stations
[5]	SD card slot	Use to insert micro-SD card
[6]	Mounting hook	Use to hang up the monitor
[7]	Speaker	Send out sounds of ring tones, audios and alarms
[8]	Connection port	Bus terminal

## Terminal description

**L1,L2:** Bus line terminal.

**SW+,SW-:** Doorbell input connection port.

**Ring,GND:** Extension buzzer input connection port.

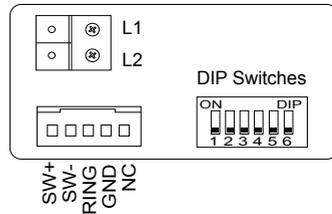
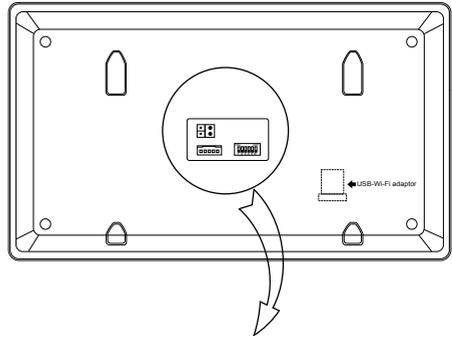
**NC:** Reserved.

### DIP switches

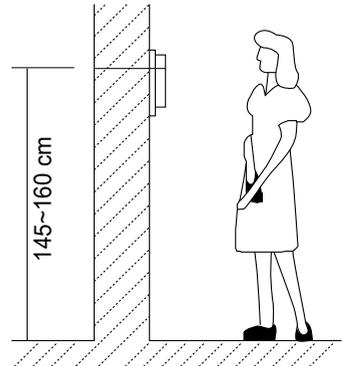
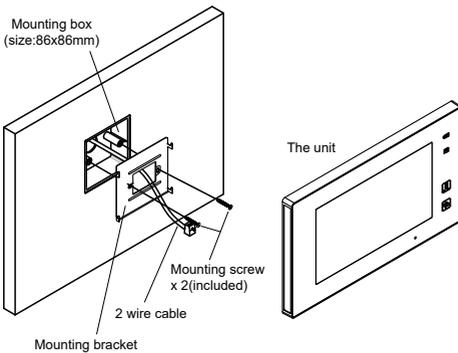
**Bit1~Bit5:** Reserved.

- **Bit6:** Video impedance matching switch.

Set to ON if the monitor is at the end of the line or operates with CDV-DBC4A1, otherwise, set to OFF.



## 2. Mounting



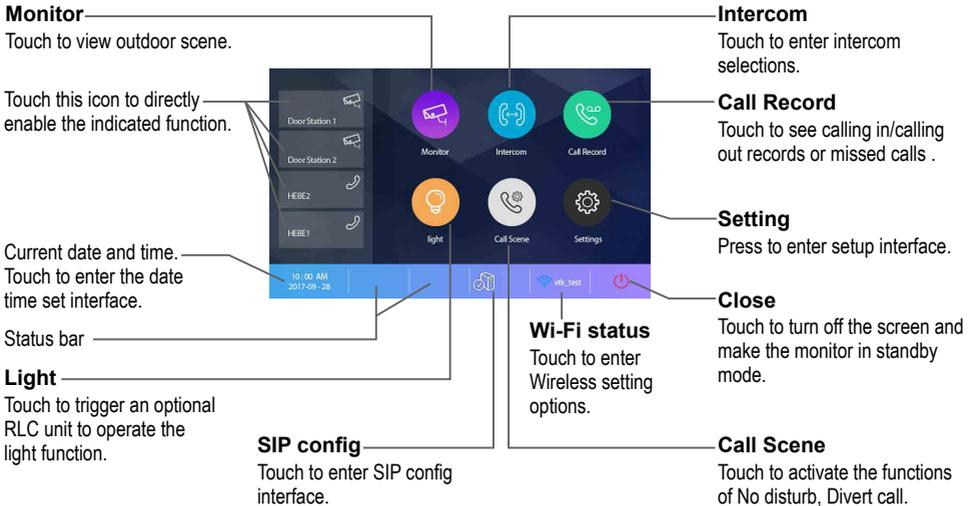
The installation height is suggested to 145~160cm.

1. Use screws to fasten the mounting bracket to the wall with std single gang flush lightswitch box.
2. Connect the 2 wire cables to the unit.
3. Mount the unit to the mounting bracket, make sure the unit is securely attached to the mounting bracket.

### 3. Main Menu

The Main menu is your starting point for using all the applications on your monitor.

Touch **Unlock** button, or touch anywhere of the screen on monitor in standby mode, the Main menu will appear as follow:

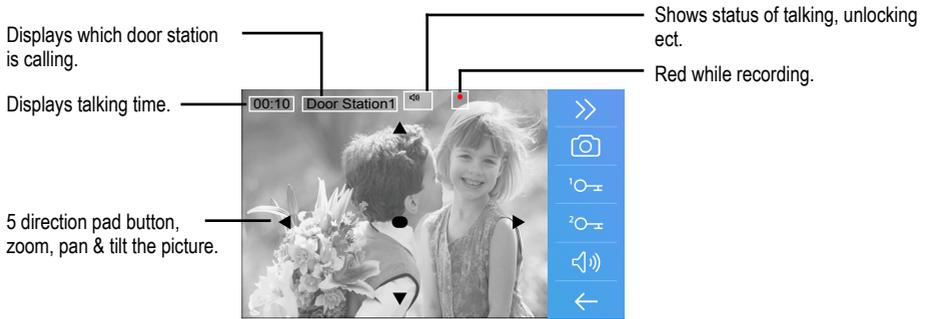


### Function status

Icon	Meaning	Description
	Missed call	Display when there is missed call. Touch to review the missed call in shortcut.
	No disturb	Displayed when the function activated
	Call transfer	Touch to enter Call Scene interface in shortcut.
	SIP server connection active and configured	Touch to enter SIP server information interface in shortcut.
	SIP server connection disabled	
	SIP server connection active and not connected	

Icon	Meaning	Description
	Wi-Fi connection active and not connected	Touch to enter Wi-Fi setting interface in shortcut.
	Wi-Fi connection disabled	
	Wi-Fi connection active and configured	

## While talking with a door station



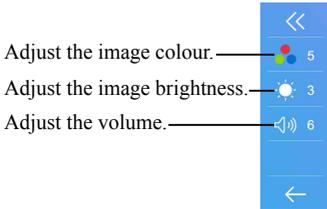
**Note:** The 5 direction pad only operates with a **fish-eye** door station.

## 4. Answering a Call

1. Touch to answer the call.  
To end the call touch it again.
2. If necessary, during the call touch to display the audio/video adjustment icons.
3. Touch to record image/video.

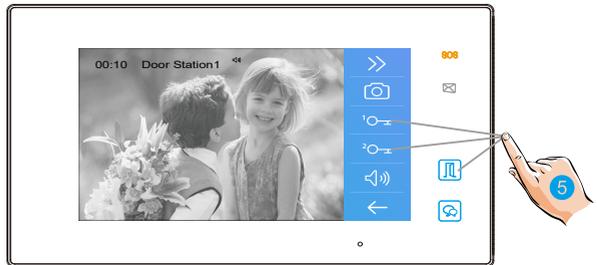


4. Touch the icons to adjust the parameters you want.



5. Touch to open the door for a visitor.

The door lock key display on screen briefly to indicate that the door lock has been released.



## 5. Pan, Tilt & Zoom

Please note: function is only supported by a fisheye camera door station (170° camera lens).

If greater detail about visitors is required, move to the desired position by touching ▲ ▼ ● ◀ ▶ on the screen to view the image in pan/tilt & zoom mode.

1. Touch to activate the pan, tilt and zoom function.



# 6. Monitoring

This section can be used to monitor your home by enabling one of the cameras inside the apartment, the common areas (e.g. garages, garden), and at the entrance.

1. Touch to display the cameras in your system.



2. Touch to activate the desired camera on Monitor interface.



3. It is possible to use “>” (display in sequence) the other cameras.

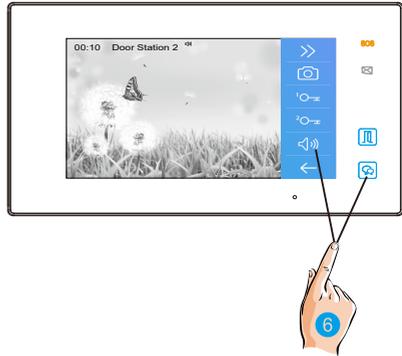
4. Touch to return the previous menu.

5. Touch to activate the specified camera in shortcut.



The display shows the a live image by the active camera.

6. Touch to activate audio communication.  
Touch again to return the Monitor interface.



## 7. Call Another Room or Apartment (Intercom)

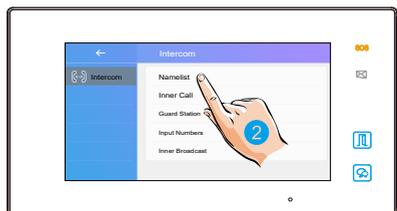
It is possible to communicate with another device installed in another room of the apartment or with a device of another apartment.

1. Touch to display the available intercoms.

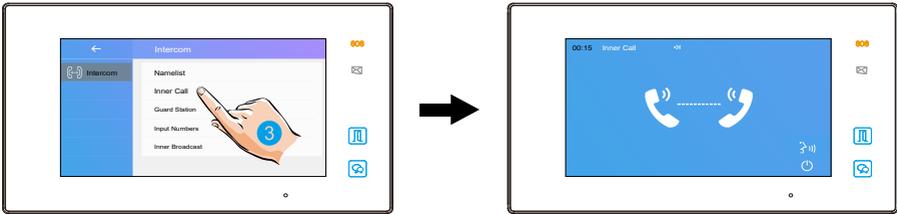


2. Touch to display the available namelist\* calls.

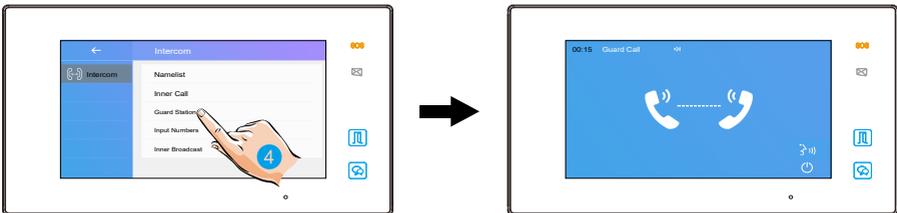
\*Function is disabled by default, CDV-DDP Digital door station required for this function.



3. Touch to activate the communication with another room.



4. Touch to activate the communication with guard station.



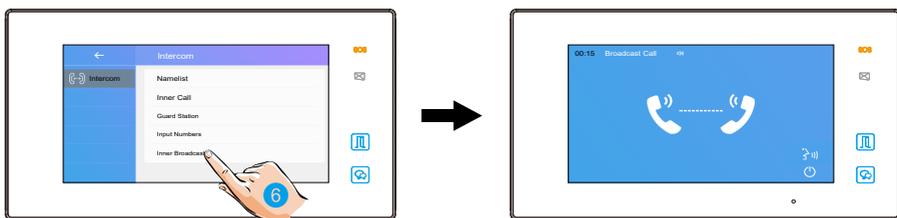
5. If the system does not have the room number you want, you can enter other room number. Touch to enter input numbers interface.

\*Function is disabled by default, CDV-DDP Digital door station required for this function.



6. Touch to activate the broadcast call, all other monitors set to same address will allow an open audio broadcast without answering the call.

Note: that all other monitors will not turn on the screen.



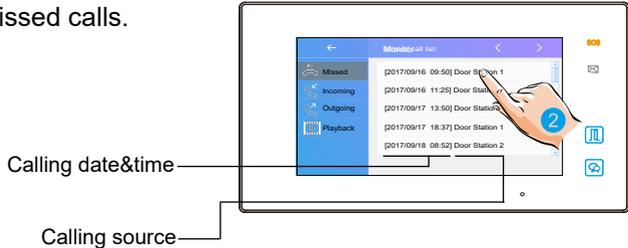
# 8. View Call Record

When there are one or more unread call records in the answering machine, clicking the icon shows them.

1. Touch to enter call record interface and display the records. These records include missed calls, incoming calls, outgoing calls and playback.



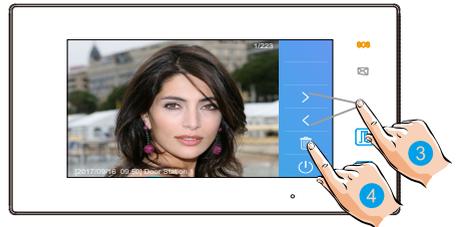
2. Touch to show the missed calls.



The informations you select is played back automatically.

3. Touch to scroll interface.

4. Touch to delete the image.



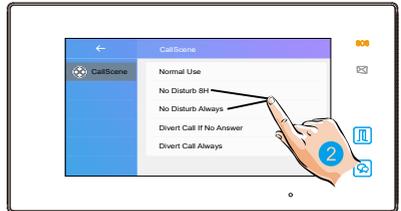
# 9. Do Not Disturb Function

If you don't want to be disturbed, for example, at night, please follow the procedure below.

1. Touch to enter call scene interface.



2. Touch to set the no disturb mode: No Disturb 8H and No Disturb Always.



**No Disturb 8H:** All calls from the door station or other monitors will not be received for 8 hours.

**No Disturb Always:** All calls from the door station or other monitors will not be received until the function is released.

Note:

\* This function will perform immediately if selected, and the status bar on the main menu interface will show "🔕" icon.

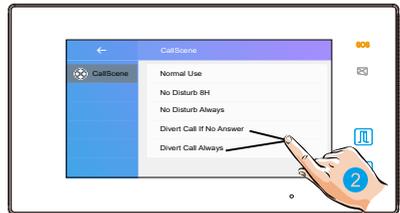
## 10. Divert Call

Calls from door station can be diverted to your phone. Note: this function should be supported by Wi-Fi or SIP network.

1. Touch to enter call scene interface.



2. Touch to set the divert call mode: Divert Call If No Answer and Divert Call Always.



**Divert Call If No Answer:** If nobody answers the call at the monitor within 30s from the door station, the call will be diverted to the smart phone.

In this mode, the monitor will always open the screen and show image from door station during divert, if the monitor answers the call at this time, the divert will stop at once.

**Divert Call Always:** When receiving a call from door station, diverts the call to smart phone immediately.

In this mode, the monitor will turn off the screen after diverting successfully, the monitor can still be used as normal.

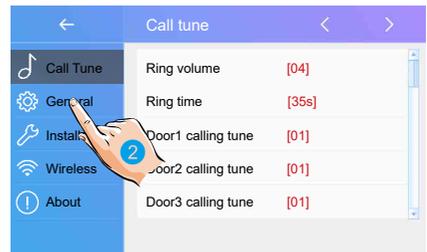
Note:

\* This function will perform immediately if selected, and the status bar on the main menu interface will show "☎" icon.

# 11. Installer Setup

## Enter setting interface

1. Touch to enter setting interface.



2. Touch the icon for the desired customisation:

 Call Tune >	Ring volume - Ring time - Door1/2/3/4 calling tune - Doorbell calling tune -Intercom calling tune -InnerCall calling tune -GuardCall calling tune
 General >	Date and time -Language -Monitor time -Shortcut setting -SD card - Screen on in divert - Restore to default
 Installer >	Current address -Intercom enable - IPC Setting - Monitor light manage - System setting - FW upgrade - Unlock time - Unlock mode - Auto reboot - Reboot
 Wireless >	Wi-Fi switch -Wlan setting -Wireless device regist - SIP config - SIP tools
 About >	All kinds of device information

## Ring tune setting

The ring call tune can be set individually to distinguish different calling source. 22 tones can be selected.

1. Touch to enter call tune setting interface.
2. Touch the setting item to select the call tune.



**Ring volume:** adjust the ringtone volume.

**Ring time:** adjust the ringtone time.

**Door1/2/3/4 calling tune:** call tone from door1/2/3/4 entrance panel.

**DoorBell calling tune:** call tone from doorbell.

**Intercom calling tune:** call tone from an intercom of another apartment.

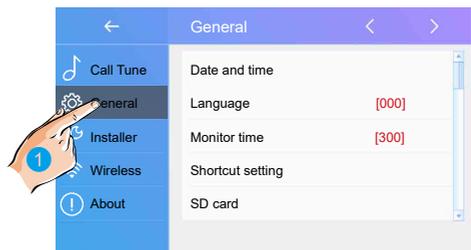
**InnerCall calling tune:** call tone from an intercom in your apartment.

**GuardCall calling tune:** call tone from the Gurad unit.

## General setting

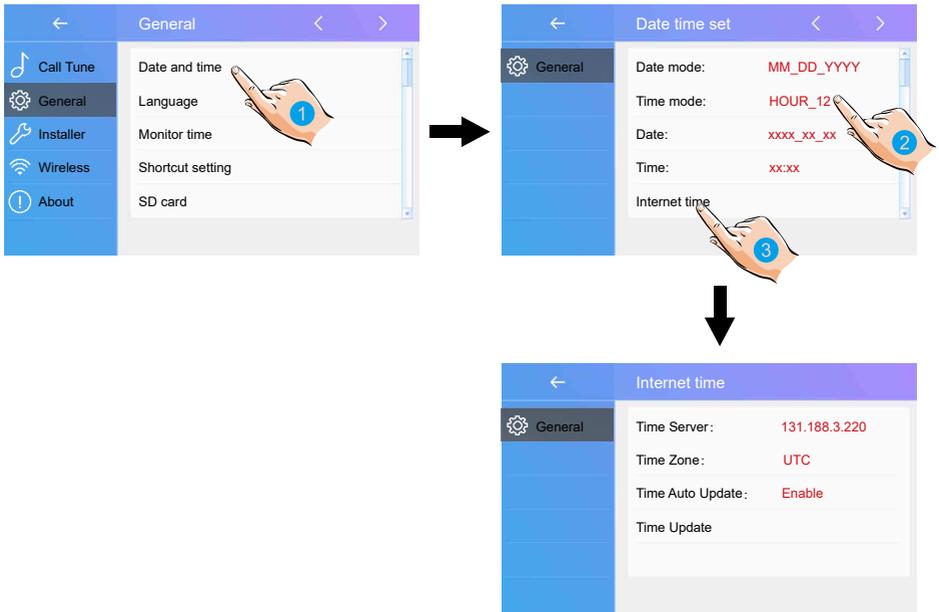
This section contains the general settings and device information.

1. Touch to enter general setting interface.



## Date and time setting

The current date and time can be modified at any time.



1. Touch to enter the date time set interface.
2. Touch to select the item you want to change.
3. Touch to set internet time.

**Date mode:** 2 display mode: month/date/year and date/month/year

**Time mode:** 2 display mode: HOUR\_12 and HOUR\_24.

**Date:** touch to set the date .

**Time:** touch to set the time.

**Internet time:** touch to set internet time.

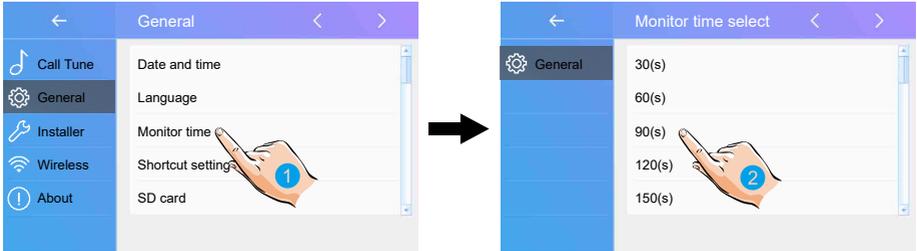
**Time zone:** touch to set the time zone in your country.

**Time auto update:** **Disable:** set the time manually. **Enable:** synchronizes the system time

## Setting monitor time

The monitor time can be changed at any time. It can be set to 30s, 60s, 90s, 120s, 150s, 180s, 210s, 240s, 270s, 300s.

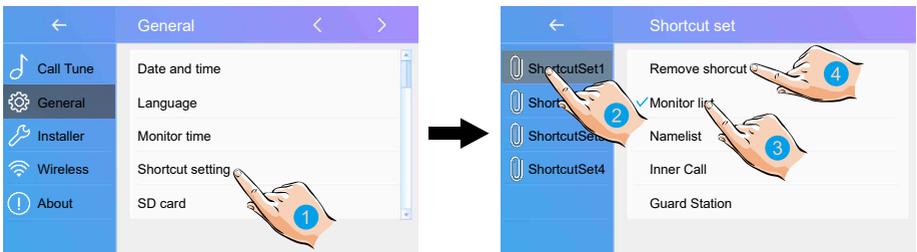
\* 30s is the default monitor time.



1. Touch to enter the monitor time select interface.
2. Select the monitor time required, then touch again to confirm.

## Shortcut setting

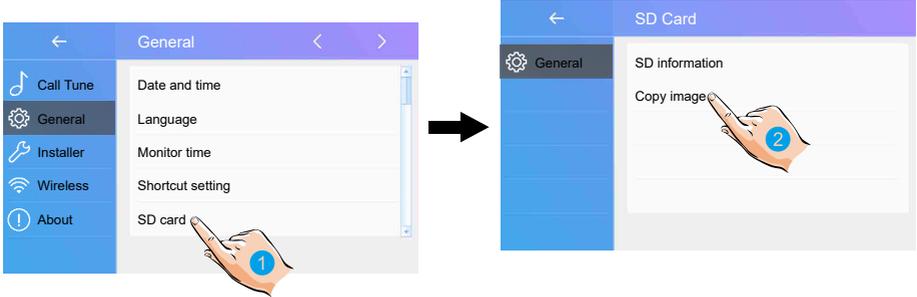
In this section it is possible to select the 4 quick actions that will appear on the home interface.



1. Touch to enter the shortcut set interface.
2. Select the shortcut item required.
3. Select the type of function for which you want to add a quick action.
4. Remove the quick action from the home interface.

## SD card

If an SD card is inserted into the device, the SD card info can be reviewed on the device.



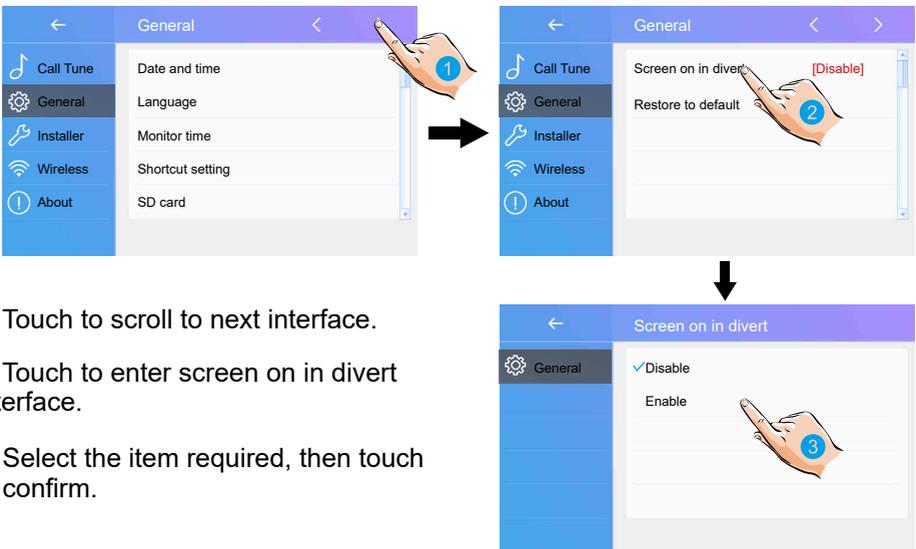
1. Touch to enter the SD card interface.
2. Select the item required.

**SD information:**SD card capacity.

**Copy image:** touch to copy the recorded images to SD Card.

## Screen on in divert

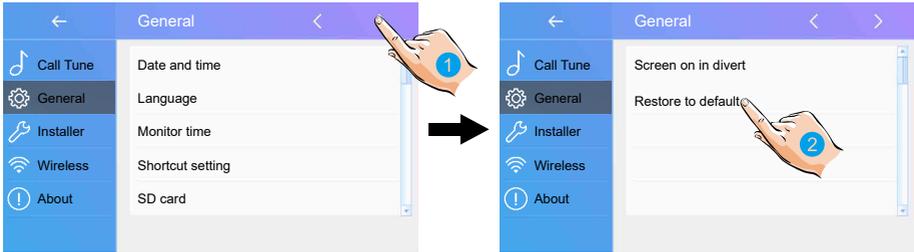
If the monitor is set to "Divert call always" mode, by default, when a call is received, the monitor can not display the image. The settings can be changed to allow the monitor have the screen on at the same time as a diverted call.



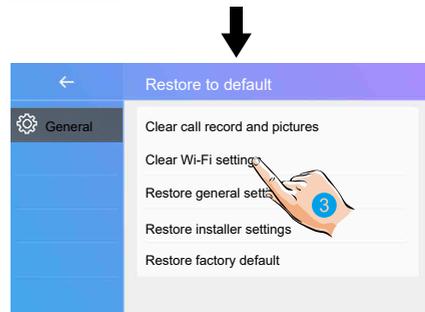
1. Touch to scroll to next interface.
2. Touch to enter screen on in divert interface.
3. Select the item required, then touch to confirm.

## Restoring to default setting

The restore to default function allows the user to recover factory setting(default).



1. Touch to scroll to next interface.
2. Touch to enter the restore to default interface.
3. Select the item required and touch to confirm.

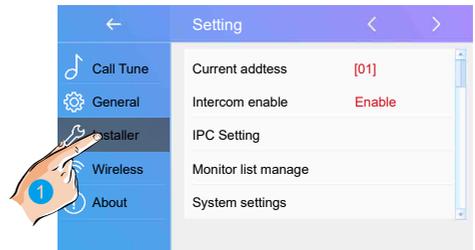


Notes: There are five items:Clear call record and pictures, Clear Wi-Fi settings, Restore general settings, Restore installer settings, Restore factory default.

## Installer setting

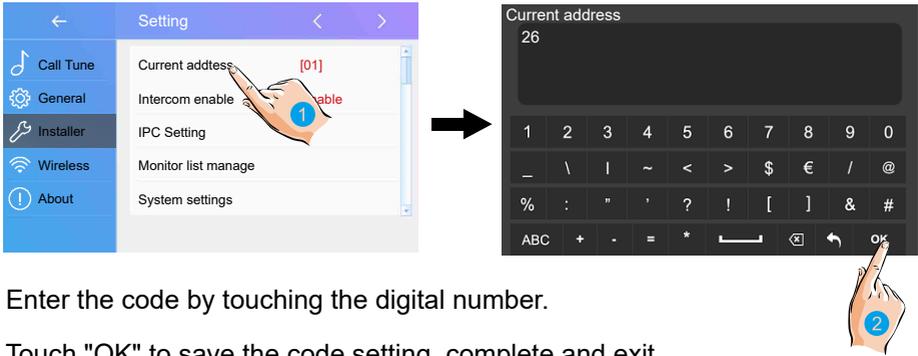
This section contains the device address setting and system settings.

1. Touch to enter installer setting interface.



## Users code setting

Touch to set the user code for each monitor.



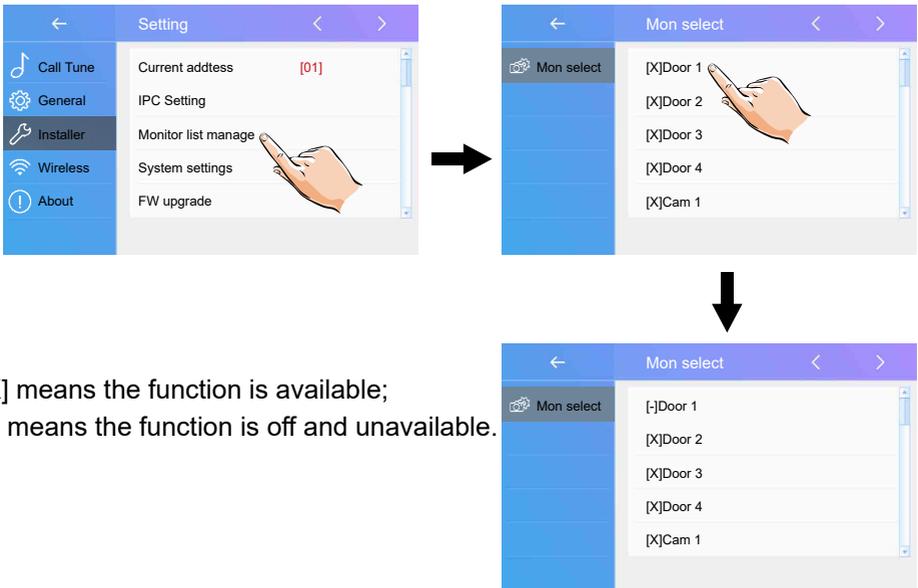
1. Enter the code by touching the digital number.
2. Touch "OK" to save the code setting, complete and exit.

Notes: 1.If dip switches 1-5 are set the monitor will show the "Dip switch setting"page.

2.Total of 32 numbers can be set, from 0~31.

## Monitor list manage

Managing the monitor list.



[X] means the function is available;  
[-] means the function is off and unavailable.

## System setting

This section is reserved.

## Software upgrade

Upgrading the device software online/SD card.



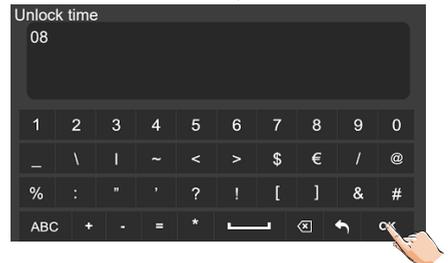
In the FW update interface, users can select the Servers/SD card to upgrade. Then touch "Check" to activate it.

## Unlock time setting

Setting the unlock time.



The unlock time can be changed by yourself at any time. it can be set from 01 to 99 seconds.

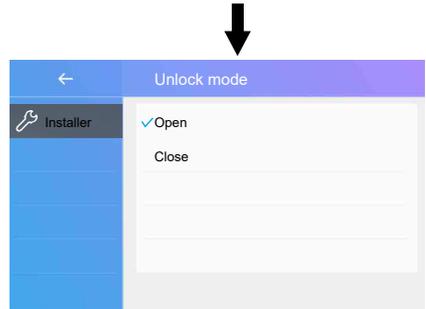


# Unlock mode setting

Setting the unlock mode.

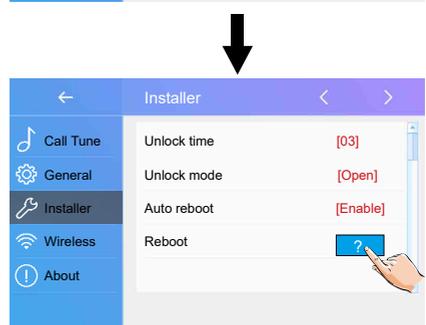


There are two unlock modes:  
1.power-on- to-unlock type=Open  
2.power-off-to-unlock=Close.

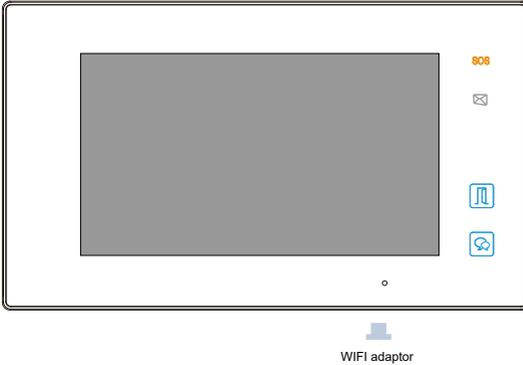


# Reboot

Auto reboot or manually Reboot the device.



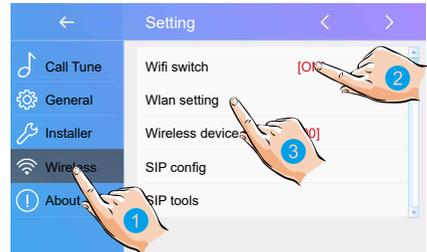
# Wireless setting



1. Touch to enter wireless setting interface.

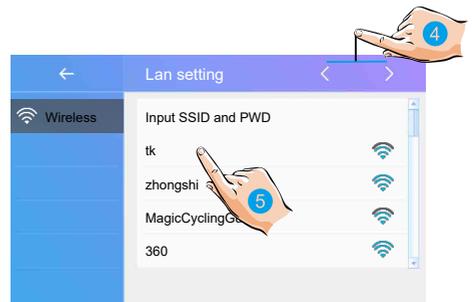
2. Touch to activate the function, make sure the wifi switch is ON.

3. Touch to enter wlan setting interface.

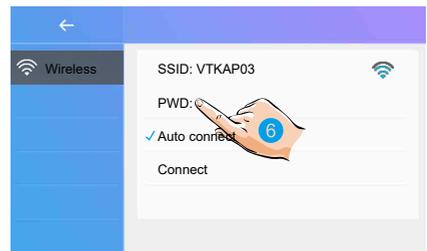


4. Touch to scroll the interface.

5. Touch to select the domestic network to which you want to connect the device.

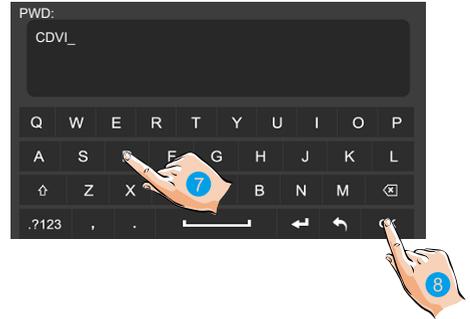


6. Touch to enter the input password interface.

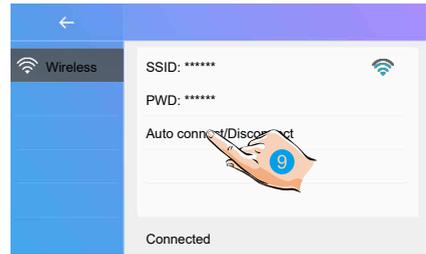


7. Enter the password (if required).

8. Touch to activate the connection, and return to Wi-Fi information interface.



9. Go to Connect/Disconnect item.



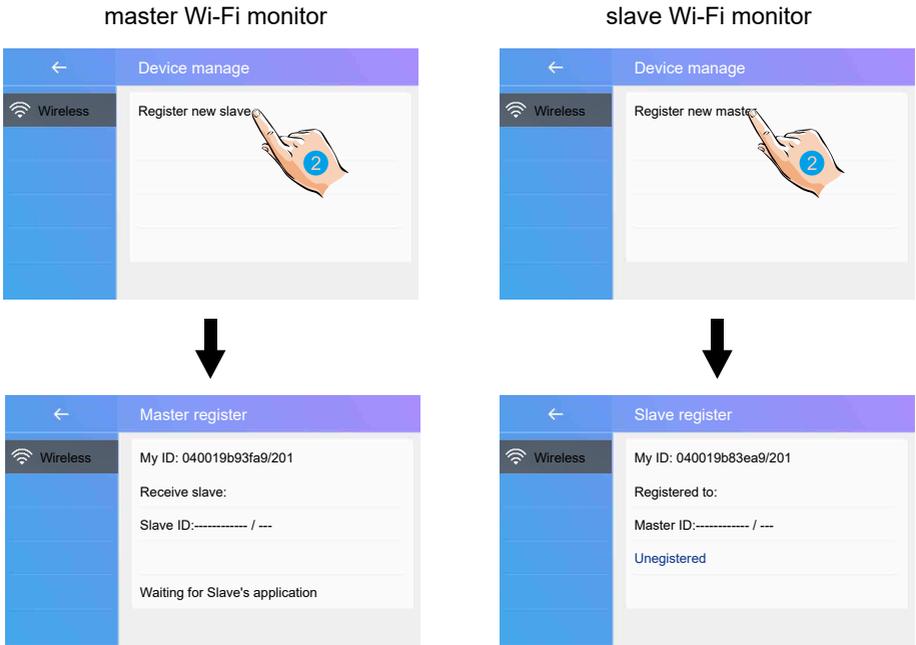
## Registering a slave Wi-Fi monitor with master Wi-Fi monitor

On master Wi-Fi monitor and slave Wi-Fi monitor, go into wireless setting interface.

1. Touch to enter the device manage interface.



2. Touch to enter the master / slave register interface.

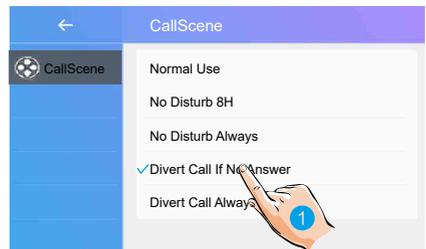


## SIP config

Setting divert call function to a phone mobile while out of home via SIP server.

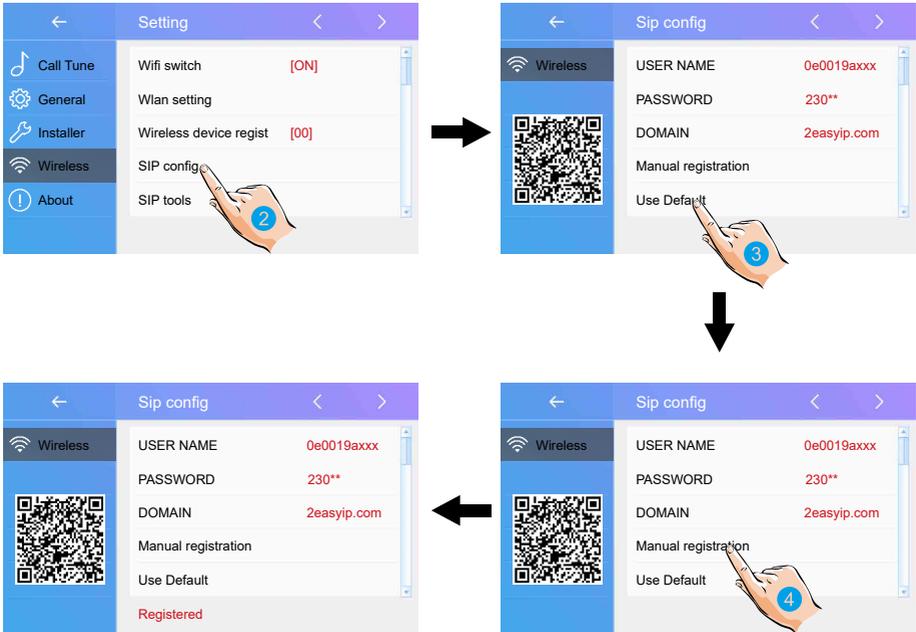
On the call scene interface

1. Touch to select the divert call mode:  
Divert Call If No Answer or Divert Call  
Always.



On the wireless setting interface

2. Touch to enter the SIP config.



3. Touch to restore all settings on “SIP config” and create 2 SIP accounts, one for DX monitor and one for 2Easy APP. Server will apply to restore two accounts’ passwords to default, and register it. Only when:

- If the DX monitor is not brand new it is suggested to select “Use default” before testing.
- 2Easy APP is not able to register on the server

4. When selected the DX monitor will apply to clean all SIP “contact” on server, and also will try to register itself to server. This function helps when:

- 2Easy APP is not able to get push notification.
- DX monitor has connect with Wi-Fi, but “Server” icon with “!” or “x” beside.

# SIP tools

SIP tools allow test of divert function and with an unattended door station.

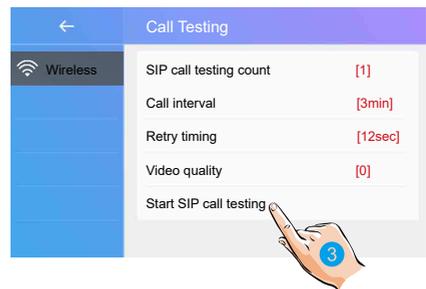
1. Touch to enter the SIP tools page.



2. Touch to enter call testing page.



- "SIP call testing count" from 1 to 99, means test automatically 1-99 times;
- Set "Call interval" from 1 to 10 min, means system will wait 1-10 min between 2 calling;
- Keep "Retry timing" as default, 12sec
- Set "Video quality" to 0, means lowest required to network;



3. After all settings are set, touch "Start SIP call testing", DX monitor will immediately divert a calling to mobile.

In the SIP tools page, "SIP call statistics", "Clear SIP call statistics", "View SIP call logs", "Copy SIP call logs to SD", "View registered Phones" can be found.

## About

1. Touch to enter about interface.



**Device Type:** the device name.

**S/W Ver:** the software version.

**Serial No:** the device serial number.

**Node Id:** Node ID number.

**IP Address:** the device IP address.

**H/W Address:** the device Mac address.

**Subnet Mask:** the device subnet mask.

**Default Route:** the device default route.

**DT Address:** the device code number.

**M/S Code:** show the device is a master monitor or sub monitor.

**Online:** show the numbers of sub monitor.

## 12. Download Setup 2Easy APP

1. Scan and download 2Easy APP, or search “2Easy” on APP store.

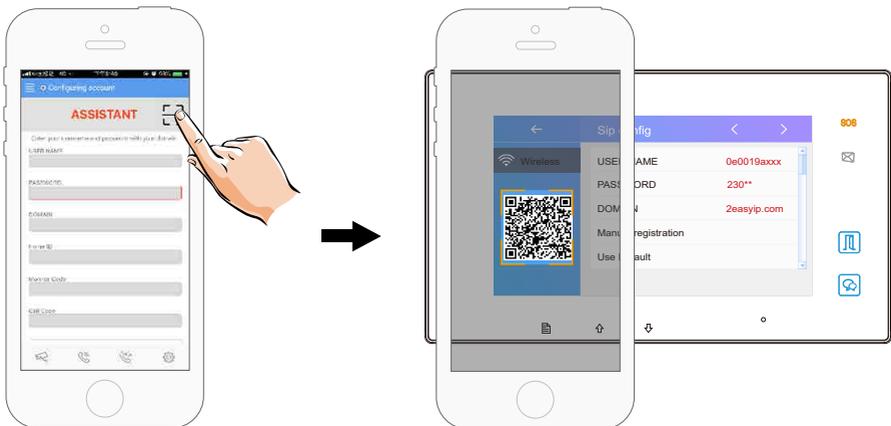
IOS



Android

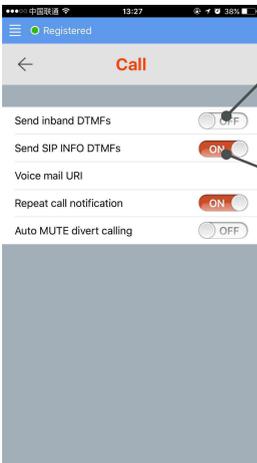
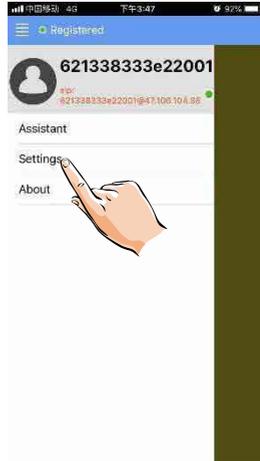


2. On DX monitor, press “SIP Server” icon on main menu, and keep in “SIP config”, on 2Easy APP, press on top-right, to scan QR code on DX monitor, and press “Save”.

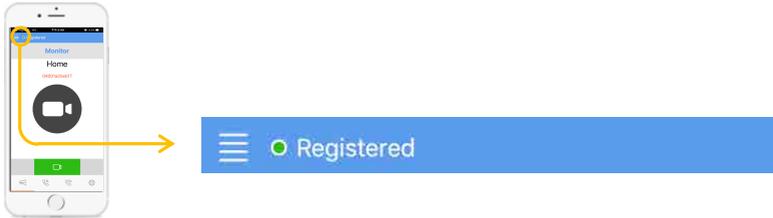


### 3. Disable “IPV6” on 2Easy APP

Most of internet providers doesn't support IPV6 feature, please manually disable it with the following steps:

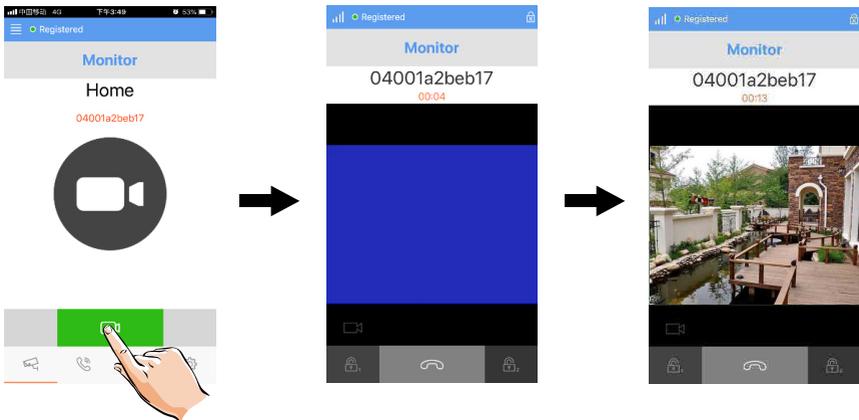


4. After logging in to the SIP account on 2Easy APP, check on status bar, or press on the “Registered” area to manually register, until 2Easy APP display:



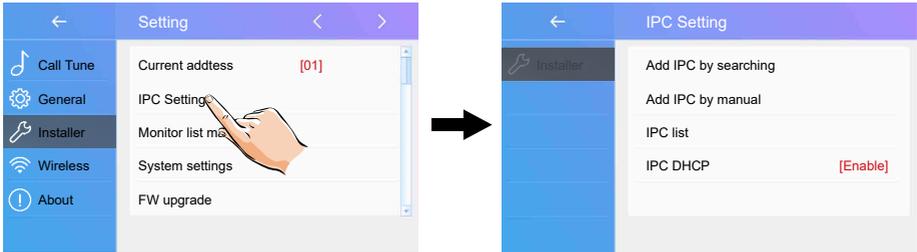
### 13. Surveillance door station via 2Easy APP

On 2Easy APP, press “Monitor” and wait for a few second (Due to 2-Wire communication will take around 12 second to get video), blue screen is normally due to the DX monitor is verifying the password and monitor code.



# 14. IPC Setting

Allows an IP camera to be viewed from the monitor.



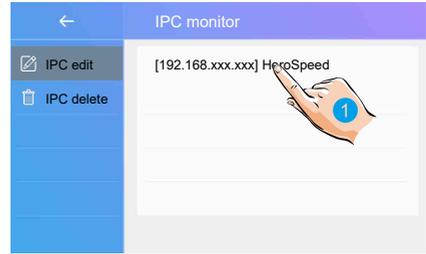
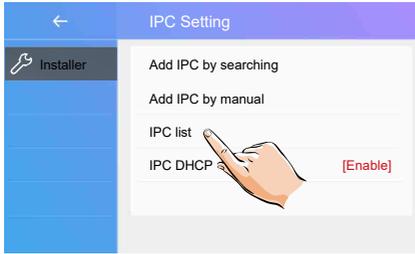
**Add IPC by searching:** Add the IP camera by searching online.



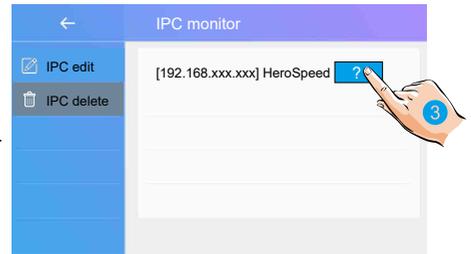
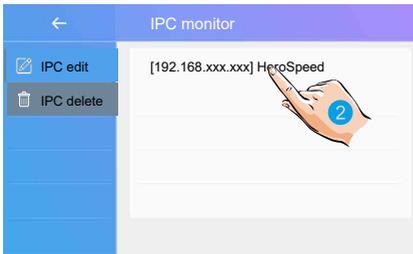
**Add IPC by manual:** Add the IP camera by manual.



### IPC list: IP camera list.

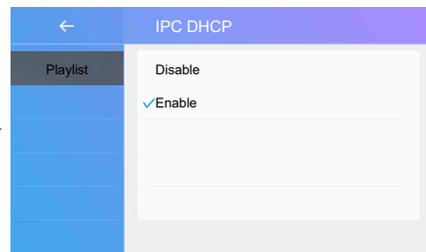
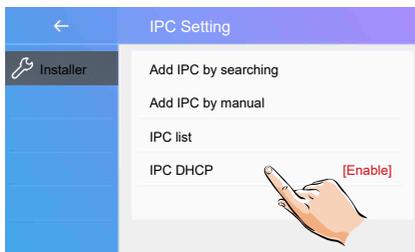


1. Touch to edit the IP camera's name.



2. Touch to enter delete the IP camera status.
3. Touch to delete the IP camera.

### IPC DHCP: IPC DHCP can be activated or deactivated.



## 15. Specification

- Power supply: DC 20~28V
- Power consumption: Standby 0.3W; Working 7W
- Monitor screen: 7 Inch digital color TFT
- Display Resolutions: 800\*3(R, G, B) x 480 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, non-polarity
- Dimension: 132(H)×226(W)×18(D)mm

## 16. Precautions

- 1) All components should be protected from violent vibration. Do not allow to be impacted, knocked and dropped.
- 2) Please clean with soft cotton cloth. Do not use the organic impregnant or chemical cleaning agents. If necessary use a little pure water or dilute soap water to clean the dust.
- 3) Image distortion may occur if the video monitor is mounted too close to magnetic field e. g. Microwaves, TV, computer etc.
- 4) Please keep away the monitor from wet, high temperature, dust, caustic and oxidation gas in order to avoid any unpredictable damage.
- 5) Use the right adaptor supplied by the manufacturer or approved by the manufacturer.
- 6) Pay attention to the high voltage inside the products, please refer service only to a trained and qualified professional.



ENG-CDV47DX-V1

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