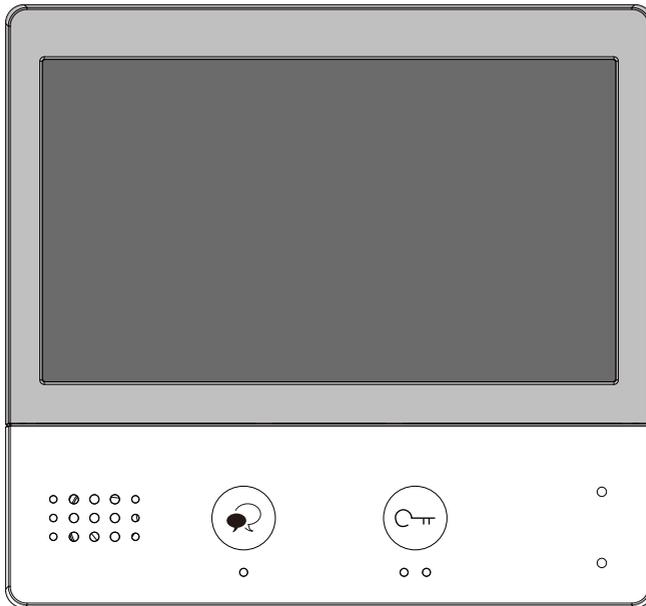


# IP VIDEO INTERCOM MONITOR

## EWS-M471-IP

7" COLOR TFT MONITOR



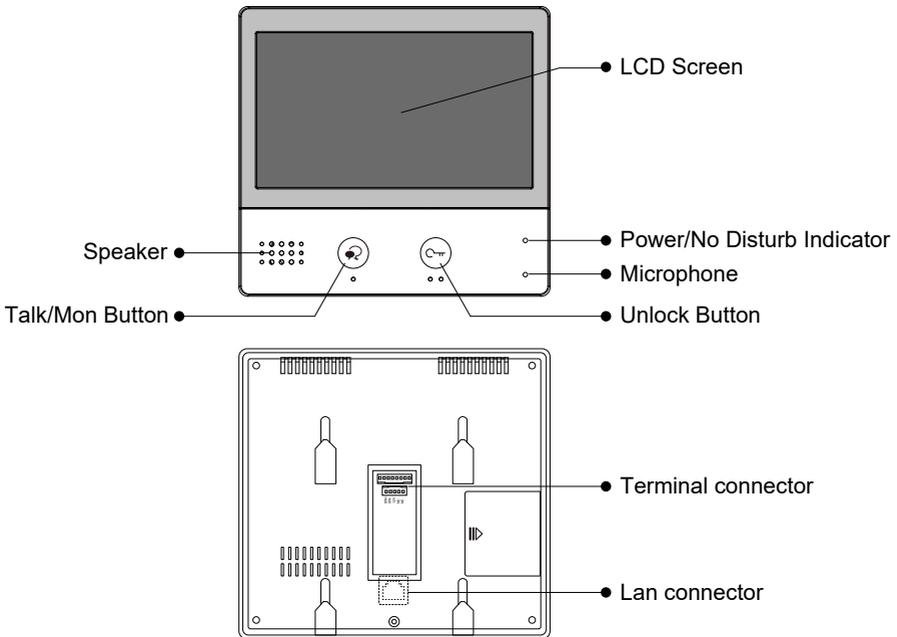
- Please read this manual carefully before using the product you purchase.
- Please note that images and diagrams in this manual may be different from the actual product.

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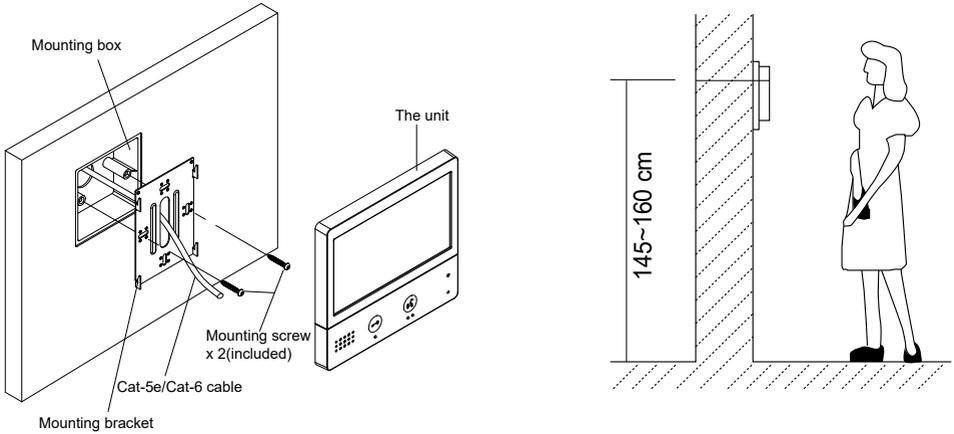
# 1. Parts and Functions



## Key functions

Speaker	Send out voice from the visitor.
Talk/Mon button	Press to communicate hands free with visitor; Press to view the outdoor condition in standby mode.
LCD screen	Display the visitors' image.
Power/No Disturb indicator	Show the power status of the system. Show the no disturb status.
Microphone	Transmit audio from one station to other stations.
Unlock button	Press to release the door.
Terminal connector	Use to connect external devices to the indoor station.
Lan connector	Use to connect the indoor station to the network.

## 2. Mounting



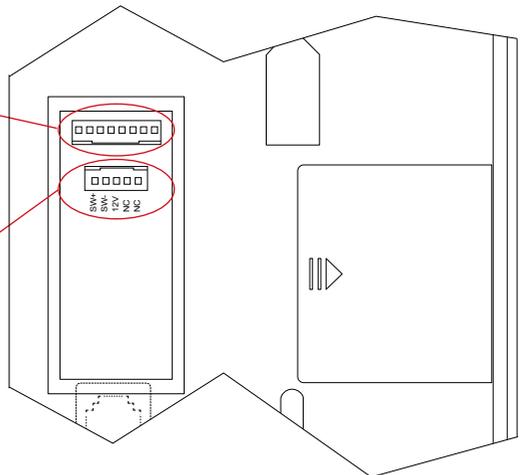
The installation height is suggested to 145~160cm.

1. Use screws to fasten the mounting bracket to the wall with mounting box.
2. Connect the cat-5e or cat-6 cables to the unit.
3. Mount the unit to the mounting bracket, make sure the unit is absolutely attached to the mounting bracket.

## Terminal description

For handle or handset.

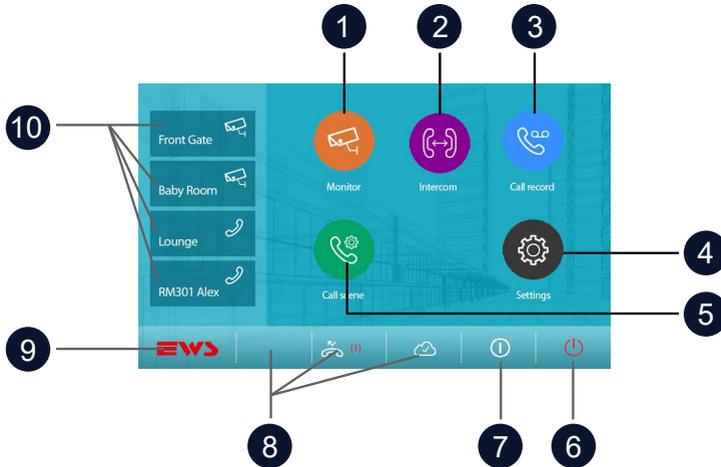
**SW+,SW-**: Extra door bell call button connection port.



### 3. Main Menu

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

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



**1 Monitor icon**

Allows you to monitor the door stations, cameras.

**6 Close icon**

Press to turn off the screen.

**2 Intercom icon**

Allows you to call other indoor station.

**7 About icon**

Allows you to view the information about device.

**3 Call Record icon**

Allows you to view the call record.

**8 Status bar**

Displays icons that indicate the indoor station's status(see 4. Status bar icons(page4)).

**4 Setting icon**

Use to change the indoor station's settings.

**9 Logo**

**5 Call Scene icon**

Allows you to activate the functions of No disturb, Divert.

**10 Shortcut windows**

Press to enter the corresponding items directly.

## 4. Status Bar Icons

Icon	Description	
	Missed call	Display when there is missed call unread. Press to review the missed call in shortcut.
	No disturb	Indicates the device is in “No disturb” mode.
	Divert call	Indicates the device is in “Divert call” mode.
	Device online	Indicates device online, but not connect to internet.
	Cloud server worked	Indicates the device is conncteted to the cloud server.
	No cloud server	Indicates the device is not conncteted to the cloud server.
	Cloud server anomaly	Indicates the device cloud server connection is abnormal.
	mute	Indicates the device is in “Mute” mode.

### Other status icons

Icon	Description	
	Recording	Indicates the device is recording
	Talking	Indicates the device is in “talking” status.
	Unlock	Indicates open the corresponding door.

## 5. Answering a Call

When you receive a call, the indoor station rings. Image will be displayed on the screen.

1. Press  icon or press  **TALK/MON** button.

- Speak within about 50 cm of the microphone.
- Begin communicating hands free with the visitor for 90 seconds.

2. When finished, Press  icon or press  **TALK/MON** button again.

Available functions while talking on a call

- Door release
- Manual recording

### Notes:

#### **1.Receiving a call while talking with a door station**

- Other door stations calling is forbidden
- Conclude current talking to answer the new call-in

#### **2.Receiving a call while talking with other monitors**

- The talking will stop immediately, call tone sounds in normal.
- The video image from the door station is displayed on the screen, talking,unlock,capture images/videos are available.

## 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. From the main menu, press **"Monitor"** icon.
2. Select the desired press.
  - Allows you to select door station camera or IP camera( if the system installs multi door station or IP camera) .
3. Select the desired camera.
4. When finished, press ← button on panel.

\* During monitoring, images can be viewed, but audio cannot be heard.

Available functions during monitoring:

- Door release
- Manual recording

**Note:** Press monitor quick actions to monitor corresponding camera directly(If the monitor quick actions is set on the shortcut windows).

## 7. Making Calls

You can call other residences, common area phones or facility staff office, and even other rooms in your own residence.

whichever monitor answers the call, you can use many of the features described in feature available while talking on a call.

## **Namelist call by using the namelist**

1. From the main menu, press **"Intercom"** icon.
  - A list of available items is displayed.
2. Select "Namelist".
  - A list of name is displayed if the system allows.
3. Select the desired name.
  - Calling the target directly.

## **Innercall**

If you have monitors installed in different rooms in your residence, you can call those rooms and use the system as an intercom.

1. From the main menu, press **"Intercom"** icon.
  - A list of available items is displayed.
2. Select "Inner call".
  - A list of M/S is displayed.
3. Select the desired target.
  - Calling the target directly.

## **Calling guard station**

1. From the main menu, press **"Intercom"** icon.
  - A list of available items is displayed.
2. Select "Guard station".
  - Calling the target directly.

## 8. View Call Record

The monitor records information about calls you have answered, missed, and made, and saves it in the call record. See the following steps to view the call record.

1. From the main menu, press **"Call record"** icon.
2. Select the desired press.
  - Missed: Displays calls you received but did not answer.
  - Incoming: Displays calls you answered.
  - Outgoing: Displays calls you made.
  - Playback: Displays pictures/videos you received / made.
3. Browse the call record as needed.
4. When finished, press ← , return to previous menu.(or press  return to home page)

### Play pictures/videos

you can record camera images/videos manually while talking to a visitor or monitoring camera images/videos. See the following steps to play the pictures/videos.

1. From the main menu, press **"Call record"** icon.
2. Select the desired press.
3. Press the desired call record.
  - Displays the images/videos
4. When finished, press ← .

## Controlling pictures/videos playback

The following controls are available by pressing the screen while playing a image/video.



Plays the image/video.



Plays the next image/video.



Plays the previous image/video.



Delete image/video.



Delete confirm.

## Limitations

Up to 120 records can be saved, up to 120 images can be saved. Subsequent records/images/videos will overwrite the oldest items.

## 9. No Disturb Mode

During a certain period, if you don't want to be disturbed, you can go to set DND mode.

1. From the main menu, press **"Call scene"** icon.
2. Select the desired press.
  - No disturb 8H: Set to no disturb mode 8 hours.
  - No disturb always: Set to no disturb mode always.

Note:

\* The no disturb indicator turns from green to red, to indicate that the no disturb function has been activated.

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

## 10. Divert Calls

The calling from door station can be diverted to your smart phone. please note that this function should be supported by SIP network.

1. From the main menu, Press "**Call scene**" icon.
2. Select the desired function.
  - **Divert call if no answer:** If call is not answered within 30 seconds, the monitor will divert to your smart phone. In this mode,the monitor will display image from door station during the diversion, if you answer the call via monitor while in diversion this will cancel the diversion instantly.
  - **Divert call always:** In this mode, the call from door station will instantly divert to smart phone, the monitor will not display any images.

Note:

- \* If divert the call to smart phone via Sip sever, need to choose one.
- \* This function will perform immediately if selected,and the status bar on main menu interface will show "📞" icon.

## 11. Change the Monitor's Settings

1. From the main menu, press "**Setting**" icon.
  - A list of available setting categories is displayed.
2. Select the desired press.
3. Select the desired setting category.
4. Change the settings as desired.
5. Press ← / 🏠 to save the new setting.

## List of settings

 Call Tune >	<a href="#">Ring volume</a> - <a href="#">Ring timing</a> - <a href="#">DS ring</a> - <a href="#">CDS ring</a> - <a href="#">OS ring</a> - <a href="#">Message ring</a> - <a href="#">Doorbell ring</a> - <a href="#">Intercom ring</a> - <a href="#">Innercall ring</a> - <a href="#">Alarm ring</a>
 General >	<a href="#">Date and time</a> - <a href="#">Language</a> - <a href="#">Monitor timing</a> - <a href="#">Shortcut setting</a> - <a href="#">SD card</a>
 Installer >	<a href="#">IP address</a> - <a href="#">Call_Nbr</a> - <a href="#">Parameter</a> - <a href="#">Upgrade</a> - <a href="#">Onsite tools</a>
 Manager >	<a href="#">Sipconfig</a> - <a href="#">Private unlock code</a> - <a href="#">Common unlock code</a> - <a href="#">Card manager</a> - <a href="#">Back and restore</a>
 Ext.Unit >	<a href="#">Auto setup wizard</a> - <a href="#">IM extensions</a> - <a href="#">Outdoor Stations</a> - <a href="#">IPC camera</a> - <a href="#">Enter OS binding</a>

### Example: "DS ring"setting

1. From the main menu, press **"Setting"** icon.
  - A list of available setting categories is displayed.
2. Select "Call Tune", and then press "DS ring" item.
  - A list of available tune is displayed.
3. Select the tune as desired, and press.
4. press ← / 🏠 to save the new setting.

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

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

**DS ring:** call tone from door entrance panel.

**CDS ring:** call tone from common door entrance panel.

**OS ring:** call tone from out door entrance panel.

**Message ring:** call tone when received message.

**DoorBell ring:** call tone from doorbell.

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

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

**Alarm ring:** call tone when alarm.

**Example:** "Date and time"setting

1. From the main menu, press **"Setting"** icon.
  - A list of available setting categories is displayed.
2. Select "General", and then press "Date and time" item.
  - Date and time setting interface is displayed.
3. Select and change the settings as desired.
4. Press ← / 🏠 to save the new setting.

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

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

**Date:** Press it to set the date .

**Time:** Press it to set the time.

**Internet time:** Press it can synchronize the system time.

**Example:** "Language"setting

1. From the main menu, press **"Setting"** icon.
  - A list of available setting categories is displayed.
2. Select "General", and then press "Language" item.
  - Language interface is displayed.
3. Select and change the settings as desired.
4. Press ← / 🏠 to save the new setting.

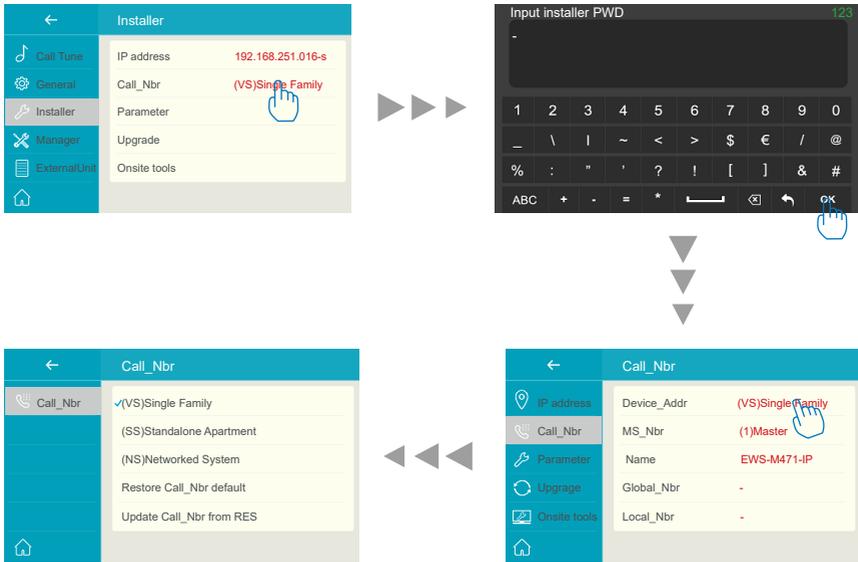
**Example:** "Shortcut setting"

1. From the main menu, press **"Setting"** icon.
  - A list of available setting categories is displayed.
2. Select "General", and then press "Shortcut setting" item.
  - Shortcut setting interface is displayed.
3. Select the type of function for which you want to add/remove a quick action.
4. Press ← / 🏠 to save the new setting.

**Note:** Other settings are related to the system type. Please make settings according to the functions provided by your system.

## 12. Address Setup

1. From the main menu, press **"Setting"** icon.
  - A list of available setting categories is displayed.
2. Select "Installer", and then press "Call\_Nbr" item.
3. Input password if required (12345678 by default).



### Device\_Addr:

"(VS)Single Family": For villa single one-to-one installation, no need to input room number.

"(SS)Standalone Apartment": for standalone building, press to input room number ( 1-digit, 2-digit, 3-digit, 4 digit as you defined).

Ex: Press "(SS)" and input 0001 for room standalone building.

"(NS)Networked System": for standalone building, input 8digits number(must 8-digit input), first 4digits for building/block number, last 4digits for room number.

EX: 00010003 1st building 3rd monitor; 00030005 3rd building 5th monitor

"Restore/Update from RES": Reserve for configurations database file (RES file) update and backup.

MS\_NBR:

Master and slave number, 01 is master monitor, 02~32 is slave monitor.

Name:

The "Name" input here will sync to door station's calling list automatically.

Global\_Nbr:

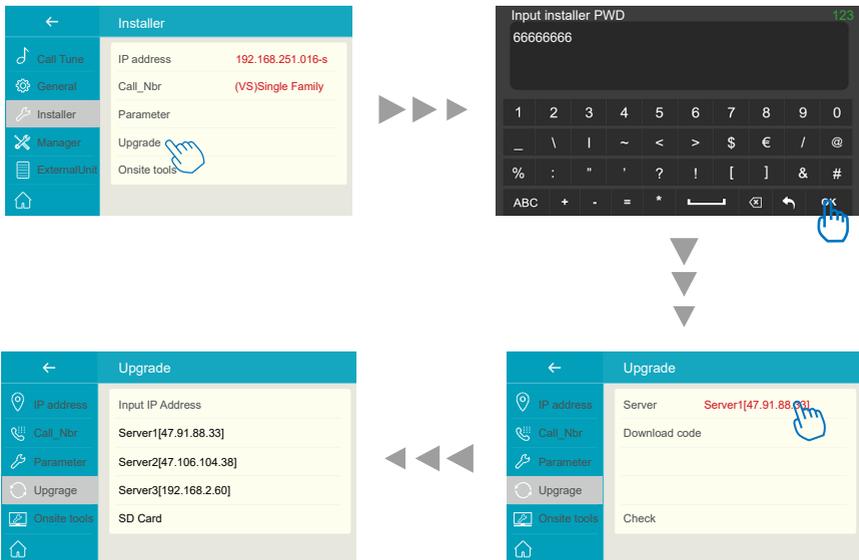
Extra call number for common door station calling to this monitor.

Local\_Nbr:

Extra call number for door station in same building calling to this monitor

## 13. Upgrade

1. From the main menu, press "**Setting**" icon.  
- A list of available setting categories is displayed.
2. Select "Installer", and then press "Upgrade" item.
3. Input installer password (12345678 by default, or password free when door station into installer mode and eable it)



Press “Server” to select firmware source, update firmware could come from as below, press on the source:

1. **Cloud Server**

Cloud server requires internet.

**Server1[47.91.88.33]**

**Server2[47.106.104.38]**

2. **Local LAN server (IX -Builder)**

Use IX-Builder PC software to create a temporary local server for update.

**Server3[192.168.2.60]** #IX-Builder default IP

**[Input IP address]**

3. **SD card**

Copy upgrade firmware before upgrade.

**SD card**

After press “Download code” and input code, the code could get from EWS support team when device needed to update. After all, press “Check” to load upgrade information from source.

With tips on the screen as below:

**Please insert SD card.** #Some upgrade is oversized, require SD card to store firmware.

**Mismatched.** #Update firmware was founded, but is not suitable for this device.

**Connect Error.** #Check networks.

**No file.** #Source has been inspected but there is no firmware need to upgrade.

Otherwise the device will go into upgrade automatically, please do not power off during upgrade.

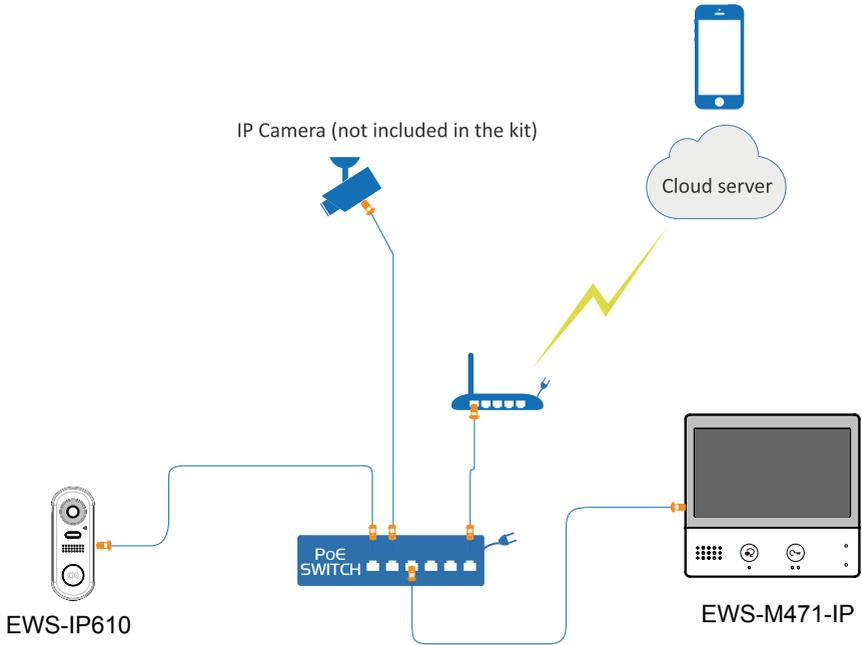
## 14. Specification

- Power Source: Power-over-Ethernet (IEEE 802.3af Class 0)
- LAN Interface: 10 BASE-T / 100 BASE-TX Ethernet (RJ-45)
- Monitor screen: 7 Inch digital color TFT
- Display Resolutions: 800\*480 resolution
- Wire Type: Cat-5e or Cat-6
- Wiring Distance: 100m (Approx. 330')
- Operating temperature: -10 to +50 (oC)
- Dimension: 161(H)×174(W)×22(D)mm

## 15. Precautions

- Slots or openings in the back of the monitor, are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect it from overheating. These openings must not be blocked or covered. The monitor should never be placed near or over a radiator or heat register and should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
- All parts should be protected from violence vibration, impacting, knocking and dropping.
- Clean Monitor with soft cotton cloth, please do not use chemical detergent. If necessary, please use pure water or dilute soap water to clean the dust.
- Image distortion may occur if the video door phone is mounted too close to magnetic field e. g. Microwaves, TV, computer etc.
- Do not open the device in any condition, call your technician or installer for help if there is any problem.

## 16. Installation example



## 17. Download Setup 2Easy APP

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

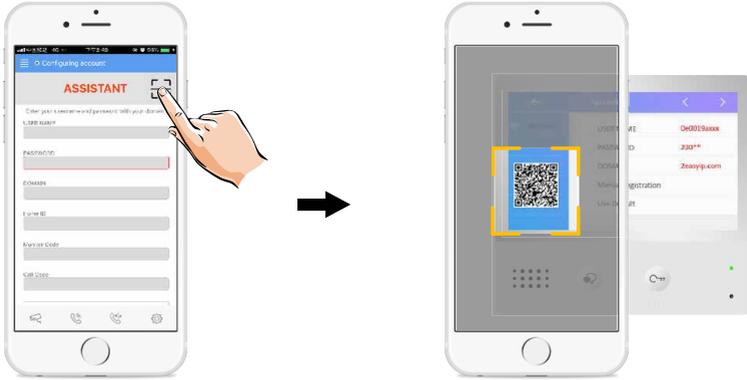
IOS



Android

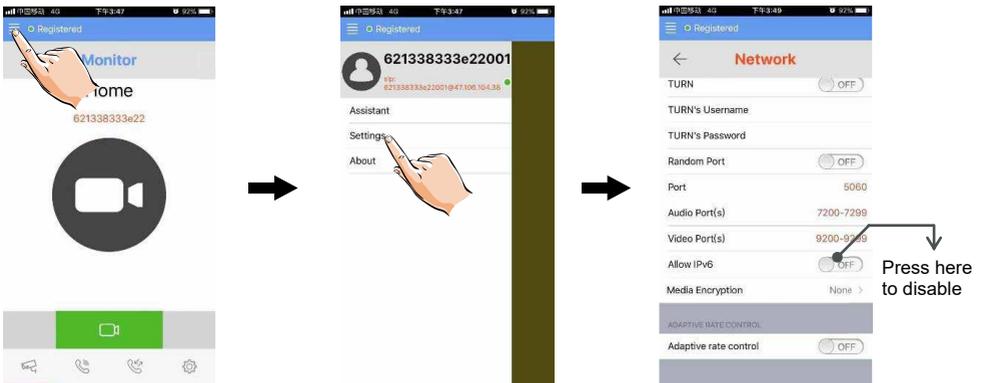


2. Permit “2Easy” with internet access and camera, on EWS-M471-IP monitor, press “SIP Server” icon on main menu, and keep in “SIP config”, on 2Easy APP, press on top-right, to scan QR code on EWS-M471-IP monitor, and press “Save”.

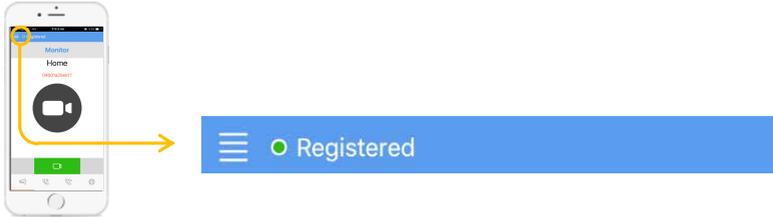


### 3. Disable “IPV6” on 2Easy APP

Most of internet provide doesn't support IPV6 feature, please manually disable it with follow steps:

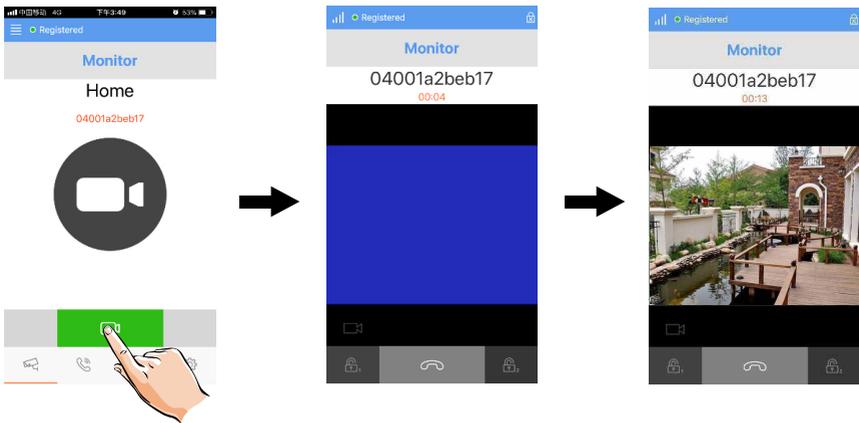


4. After login SIP account on 2Easy APP, check on status bar, or press on the “Registered” area to manually register, until 2Easy APP display:



## 18. Surveillance door station via 2Easy APP

On 2Easy APP, press on “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 EWS-M471-IP monitor is verifying the password and monitor code.







**Distributed by:**



**1/9 Stanley St, Peakhurst NSW 2210**

**02 9533 7877**

**[www.elitewholesalers.com.au](http://www.elitewholesalers.com.au)**



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