CDVI

Security to Access

2 YEAR WARRANTY

2EASY

CDV-470DX

2-Wire WiFi Monitor, Black or White, Vertical or Horizontal Mounting

EN

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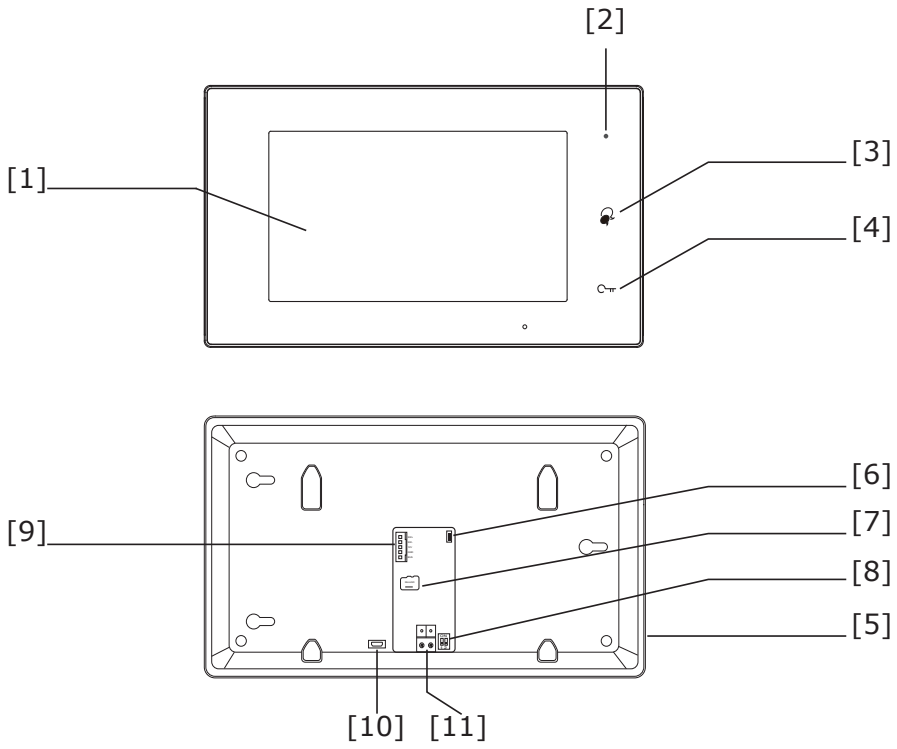
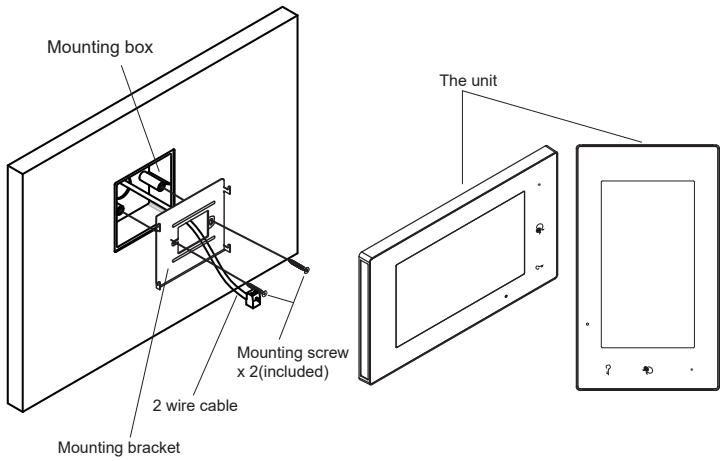
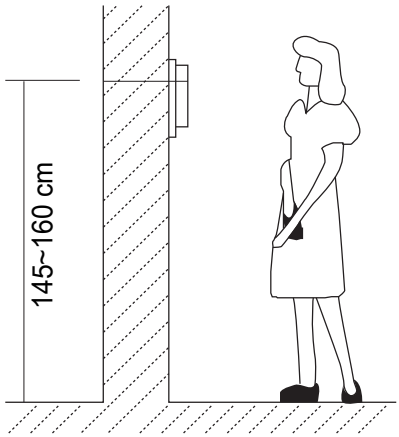
2] PARTS AND FUNCTIONS



NB	Item	Description
[1]	Digital LCD touch screen	See next page for details. Display the visitor's image.
[2]	Power/ Do not Disturb	Shows the power status of the system. Shows the Do Not Disturb status.
[3]	Talk button	Touch to communicate hands free with visitors. Touch to view through the door station camera in standby mode.
[4]	Unlock button	Touch to release the door.
[5]	Speaker	For audio, ringtones and alerts
[6]	Upgrade button	Use to upgrade the software
[7]	SD card slot	Use to insert micro-SD card
[8]	Connection port	2 Wire Bus Terminal, Inputs/Outputs & DiP Switches
[9]	Terminal connections	SW+,SW-: Additional doorbell input connection port GND,BUS: Used to connect 24V local power supply
[10]	Micro USB socket	For data transfer
[11]	2-wire connection	Used for 2-wire systems

3] MOUNTING



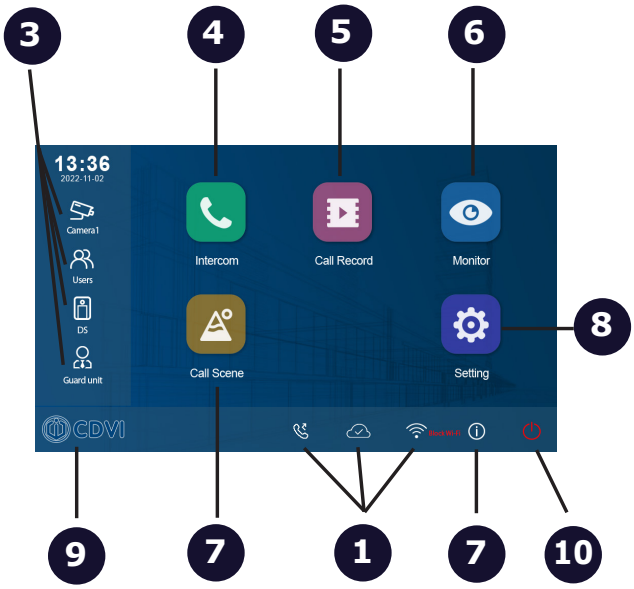


The installation height is suggested as 145~160cm.

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

4] MAIN MENU

The Main Menu is your starting point for using all the applications on your monitor. Touch the **Unlock** button, or touch anywhere on the screen when in standby mode - the Main Menu will appear as follows:



1. **Status bar**
Displays icons that indicate the indoor monitor's status (see **Status bar icons** below).

2. **About icon**
Allows you to view information about the device.

3. **Shortcut windows**
Touch to navigate directly to the corresponding items.

4. **Intercom icon**
Allows you to call other indoor monitors.

5. **Call Record icon**
Allows you to view the call record.

6. **Monitor icon**
Allows you to monitor the door stations and cameras.

7. **Call Scene icon**
Allows you to activate the No Disturb and Divert functions.

8. **Setting icon**
Use to change the indoor monitor's settings.

9. **Logo**
Shows the company brand CDVI by default.

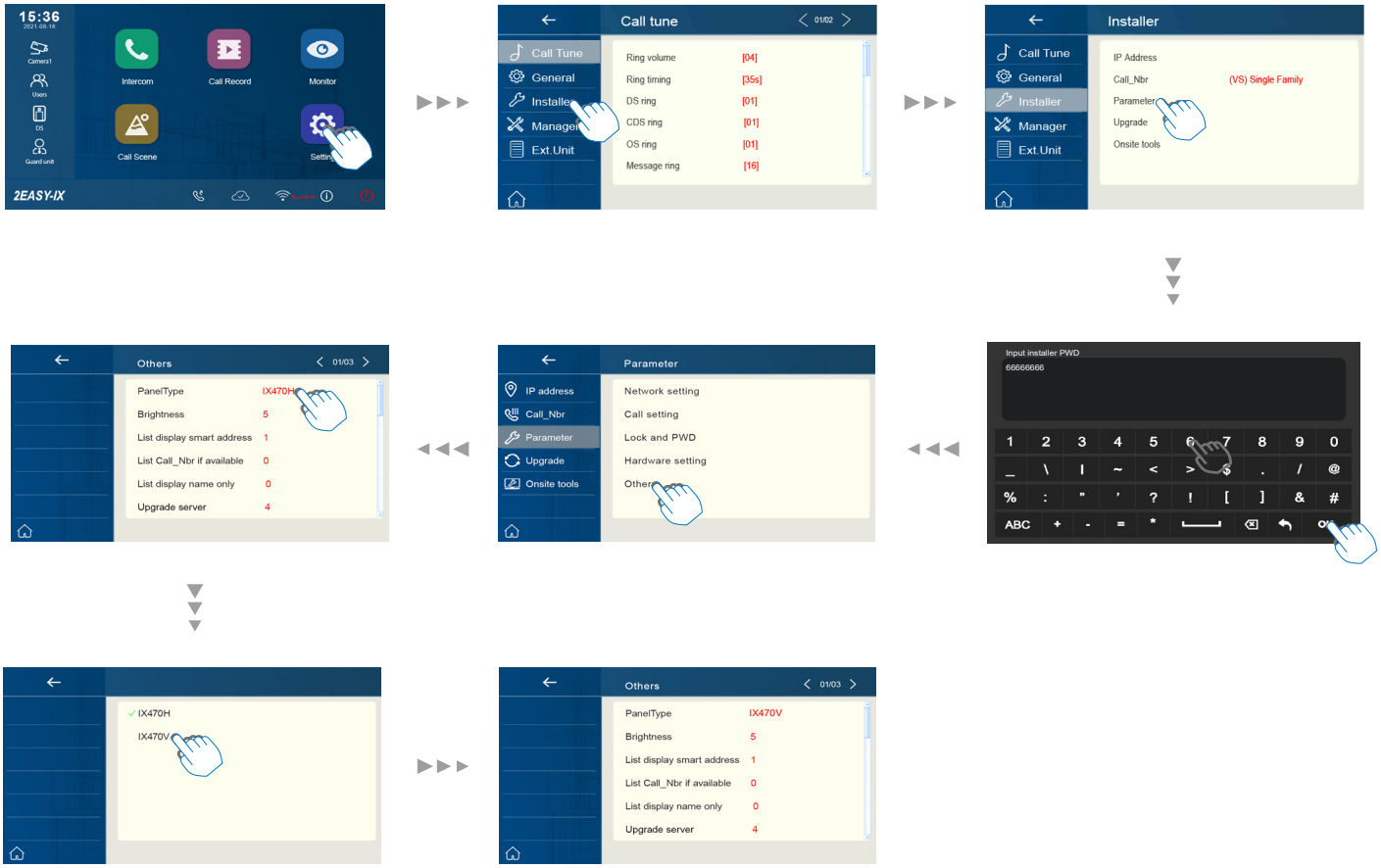
10. **Close icon**
Touch to turn off the screen.

Status bar icons

Icon	Description	
	Missed call	Displays when there is a missed call. Touch to review the missed call.
	Do not disturb	Indicates the device is in "Do Not Disturb" mode.
	Call transfer	Indicates the device is in "Divert Call" mode.
	Device online	Indicates the device is online, but not connected to the internet.
	Cloud server is working	Indicates the device is connected to the cloud server.
	No cloud server	Indicates the device is not connected to the cloud server.
	Cloud server anomaly	Indicates the device cloud server connection is abnormal, i.e. no internet.
	Mute	Indicates the device is in "Mute" mode.
	Recording	Indicates the device is recording.
	Talking	Indicates the device is in "Talking" status.
	Unlock	Indicates that the corresponding door is unlocked.

How to switch viewing orientation

Follow the steps below to switch the menu from horizontal viewing to vertical viewing:

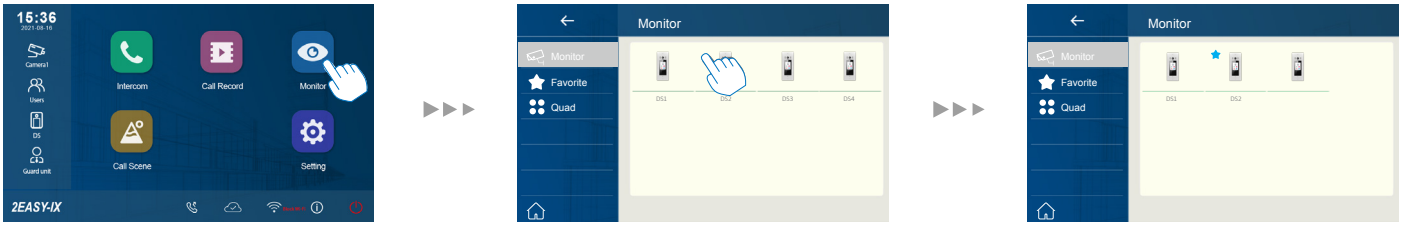


After restarting your device, the viewing orientation should have switched.

Note: The following steps and settings use the horizontal viewing as an example.

Creating viewing favourites

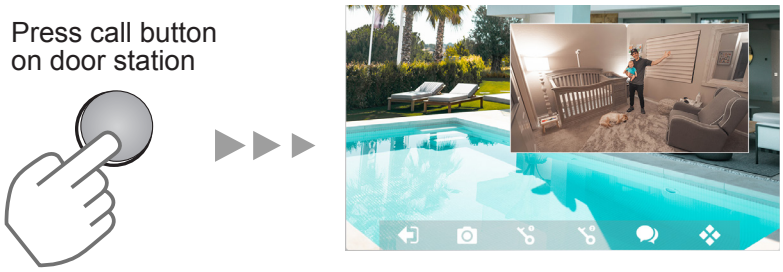
1. From the main menu, tap the **Monitor** icon.
2. Select the Monitor sub-menu.
3. Click the upper left corner of the item you want to select as favourite. The "★" icon will appear.
4. To revert, click the upper left corner again.



PIP View

Note: This function requires the system to access the cameras or set the camera proxy settings.

The picture-in-picture (PIP) display allows the user to see two images from different sources at the same time during the call. This helps the user to see the visitor in situation.



Benefits:

- Can be used in call mode.
- PIP to avoid dead angles.
- Both views can be seen on door station and IP camera.
- Tap to swap both images.

Quad View

Note: This function requires the system to access the cameras or set the camera proxy settings.

The Quad View display allows the user to view four images quickly and simultaneously from different video sources. With one simple click, the user can also switch screens and zoom in on a screen.

Benefits:

- Can be used in monitor mode.
- Shows four images simultaneously on the screen.
- Able to switch seamlessly between one-screen view and quad-view.
- You can zoom in on all view angles.

5] ANSWERING A CALL

When you receive a call, the indoor station rings. The image is displayed on the screen.

1. Touch the icon or press the **TALK/MON** button.

   - Speak within about 50cm of the microphone.
   - You can communicate hands-free with the visitor for 90 seconds.

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

   Functions available while a call is in progress:

   - Door release.
   - Manual recording.

Notes:

1. Receiving a call while talking with a door station

A call from different door station is not possible as the system is busy.
You will have to end the current call to answer the new call.

2. Receiving a call while talking with other monitors

Communication with the other monitor stops immediately and the ringtone sounds as normal. The video image from the door station is displayed on the screen, and the following functions can be operated: unlock the door, capture images/videos, and adjust screen & volume settings.

6] MONITORING

This section can be used to monitor your home by viewing one of the cameras in apartments, common areas (e.g. garages, garden), or at entrances.

1. From the main menu, tap the **Monitor** icon.
2. Select the desired type of camera.
   - You can select a door station camera or an IP camera (if the system was installed with multiple door stations or IP cameras) .
3. Select the desired camera.
4. When finished, tap the button on the panel.

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

Functions available during monitoring:

- Door release.
- Manual recording.

Note: Tap the monitor's quick actions to monitor a corresponding camera directly (if the monitor quick actions is set up in the shortcut windows).

7] CALLING FUNCTIONS

You can call other residences, common area phones, facility staff offices, and even other rooms in your own residence.
Depending on which monitor answers the call, you can use many of the features described in the options available while talking on a call.

Using the namelist for calls (Multiway systems)

1. From the main menu, tap the **Intercom** icon.
   - A list of available items is displayed.
2. Select **Namelist**.
   - A list of names is displayed (if set up in the system).
3. Select the desired name.
   - You will call the recipient directly.

Inner call (Villa systems)

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

1. From the main menu, tap the **Intercom** icon.
   - A list of available items is displayed.
2. Select **Inner Call**.
   - A list of monitor stations is displayed.
3. Select the desired monitor.
   - The call goes directly to your chosen monitor.

Calling a guard station (if installed)

1. From the main menu, tap the **Intercom** icon.
   - A list of available items is displayed.
2. Select **Guard Station**.
   - You will call the guard station directly.

8] VIEW CALL RECORDS

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

1. From the main menu, tap the **Call Record** icon.
2. Select the desired type of call you want to view.
   - 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 or made.
3. Browse the call record as needed.
4. When finished, tap the ← to return to the previous menu, or tap ⌂ return to the home page.

Play pictures and videos

You can record camera images/videos manually while talking to a visitor or monitoring camera images/videos. Follow these steps to play the recorded pictures/videos.

1. From the main menu, tap the **Call Record** icon.
2. Select the desired type.
3. Tap the desired call record.
   - The recorded images/videos are displayed
4. When finished, tap ← to return.

Pictures and videos playback

The following controls appear when you tap the screen while playing an image/video.

▷ Plays the image/video.

> Plays the next image/video.

< Plays the previous image/video.

🗑 Deletes the image/video.

? Confirms the deletion.

Note:

- When using the monitor without an SD card, the recording time is limited to 3 seconds. Up to 10 videos can be saved. Additional records/images/videos will be overwritten, removing the oldest items.
- If a micro SD card is installed, recording is extended to 10 seconds by default (it can be customised for up to 600 seconds). Images can be copied to the SD card.
- Max 512GB Micro SD card is supported.

9] DO NOT DISTURB FUNCTION

If you don't want to be disturbed, you can activate DND mode.

1. From the main menu, tap the **Call Scene** icon.
2. Select the desired option.
   - No Disturb 8H: Activate DND mode for a period of 8 hours.
   - No Disturb always: Activate DND mode indefinitely.

Notes:
- The No Disturb indicator turns from green to red, to indicate that the No disturb function has been activated.
- This function activates immediately when selected, and the status bar on the main menu interface shows the icon.

10] DIVERT CALL

Calls from a door station can be diverted to your smartphone. Please note that this function should be supported by a SIP network.

1. From the main menu, tap the **Call Scene** icon.
2. Select the desired option.

   - **Divert call if no answer:** If nobody answers the call for 30s when the call comes in from the door station, it is diverted to the smartphone. In this mode, the monitor always opens the screen and shows the image from the door station during the divert. if the call is answered at the monitor, the divert ends immediately.
   - **Divert call always:** When a call comes in from the door station, it is diverted immediately to the smartphone. In this mode, the monitor screen turns off after successfully diverting the call and you can still use the monitor as normal.

Note: This function activates immediately when selected, and the status bar on the main menu interface shows the icon.

11] SETTINGS

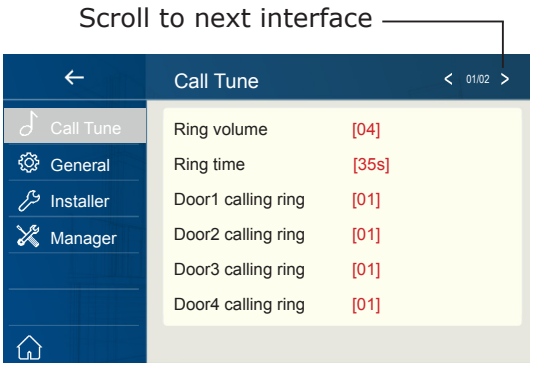
1. From the main menu, tap the **Settings** icon. The settings list will be displayed.
2. Select the desired settings category.
3. Select the desired sub-setting.
4. Change the settings as desired.
5. Tap the ← or ⌂ icon to save the new setting.

List of settings

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

Ringtone settings

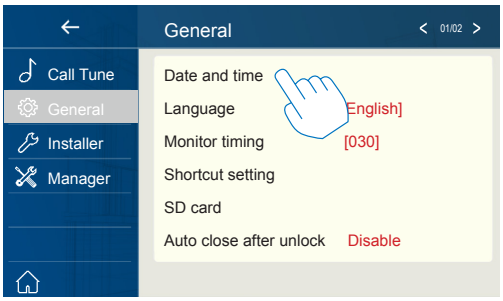
The ringtones can be customised to individual calling sources. There are 22 different ringtones to choose from.



- **Ring volume:** Adjust the ringtone volume.
- **Ring timing:** Adjust the ringtone time.
- **Door1/2/3/4 calling ring:** Selectable door panel ringtones.
- **DoorBell ring:** Doorbell ringtone.
- **Intercom ring:** Ringtone from an intercom of another apartment.
- **InnerCall ring:** Ringtone from an intercom in your apartment.
- **GuardCall ring:** Ringtone from the Guard unit.

General settings

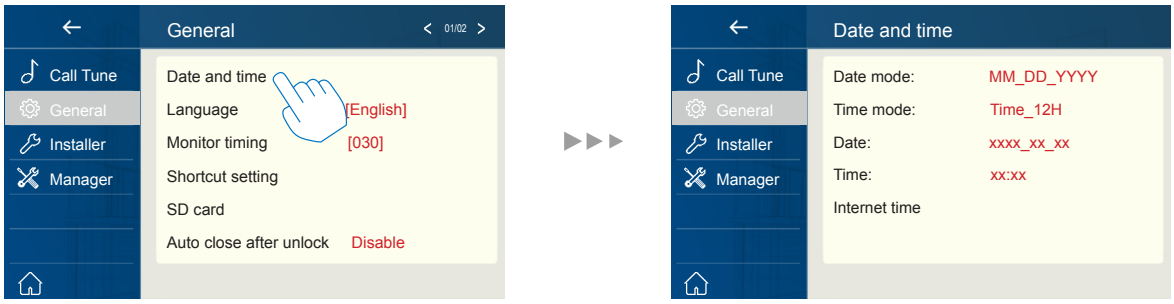
This section contains the general settings and device information.



1. From the main menu, tap the **Setting** icon.
2. Select **General** on the left to enter the General Settings interface.

Date and time

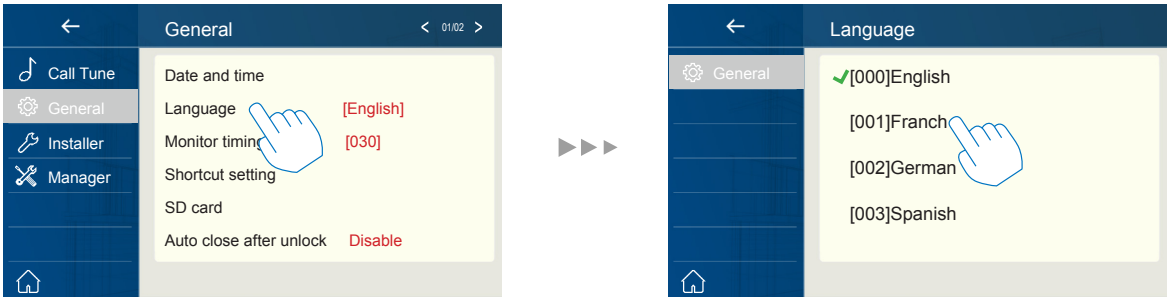
To update the device's date and time, go to Date and time.



- **Date mode:** Select between two display options: month/date/year or date/month/year
- **Time mode:** Select between two display options: HOUR_12 or HOUR_24
- **Date:** Set the date.
- **Time:** Set the time.
- **Internet time:** Synchronise the time of the system.

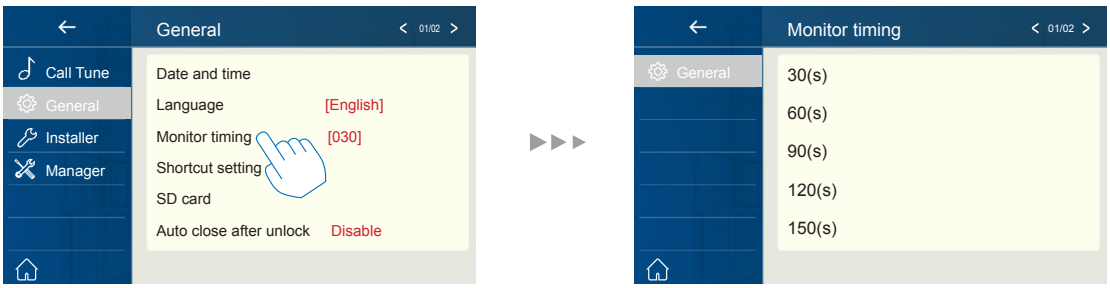
Display language

The device's default language is set to English. You can update the display language if needed. If the desired language is not found on the screen, touch the **>** button to scroll to the next page.



Monitor time

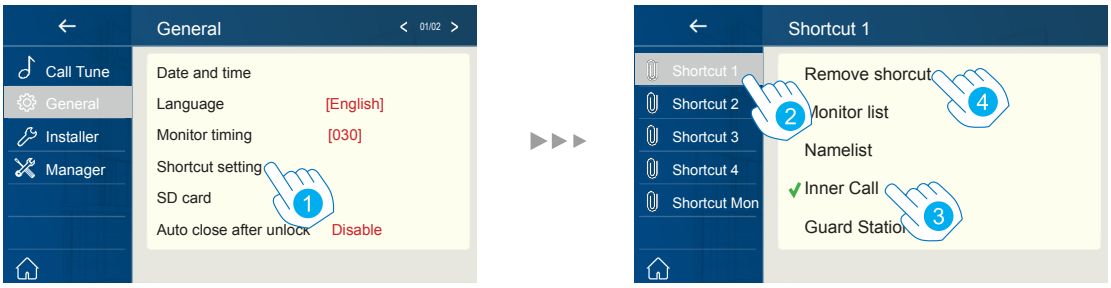
The monitor time is set to 30s as default. You can update the time if needed and choose between the following options: 30s, 60s, 90s, 120s, 150s, 180s, 210s, 240s, 270s, 300s.



Shortcut setting

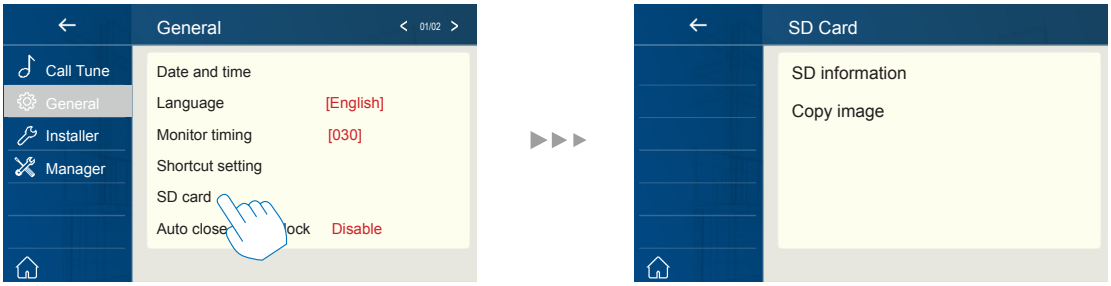
You can create four different shortcuts that will appear on the home interface.

1. Tap to enter the **Shortcut setting** interface.
2. Select the number of the shortcut you want to create a quick action for.
3. Select the type of function you want the shortcut to consist of.
4. To remove the shortcut from the home interface, tap **Remove shortcut.**



SD card

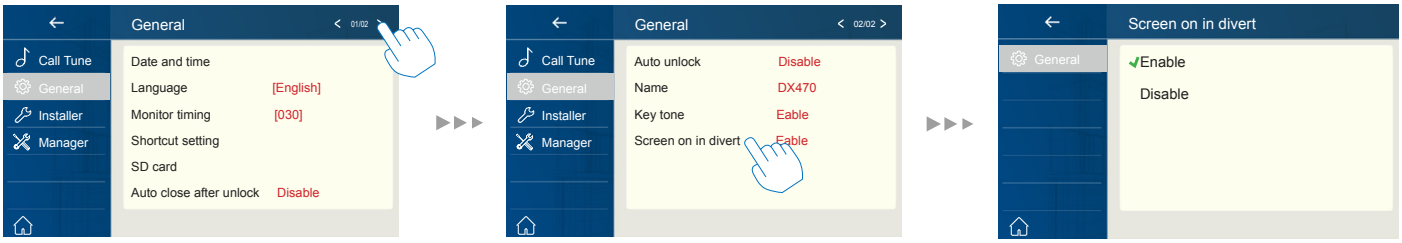
If you chose to insert an SD card to the device, its information can be reviewed here:



- **SD infomation:** Shows the SD card capacity.
- **Copy image:** Tap to copy the recorded images to the SD Card.

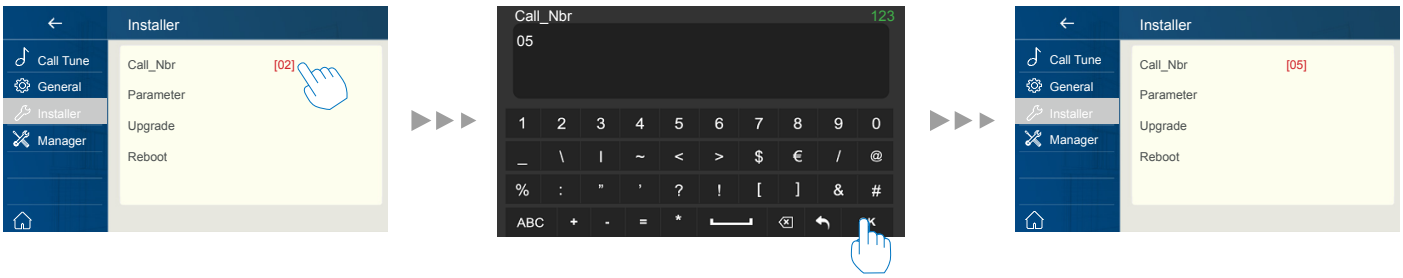
Screen on divert

When the monitors are set to **Divert call always** mode in default mode, the monitors don't display any images when receiving a call.
This setting can be changed. The monitors can turn on at the same time when the call is being diverted.



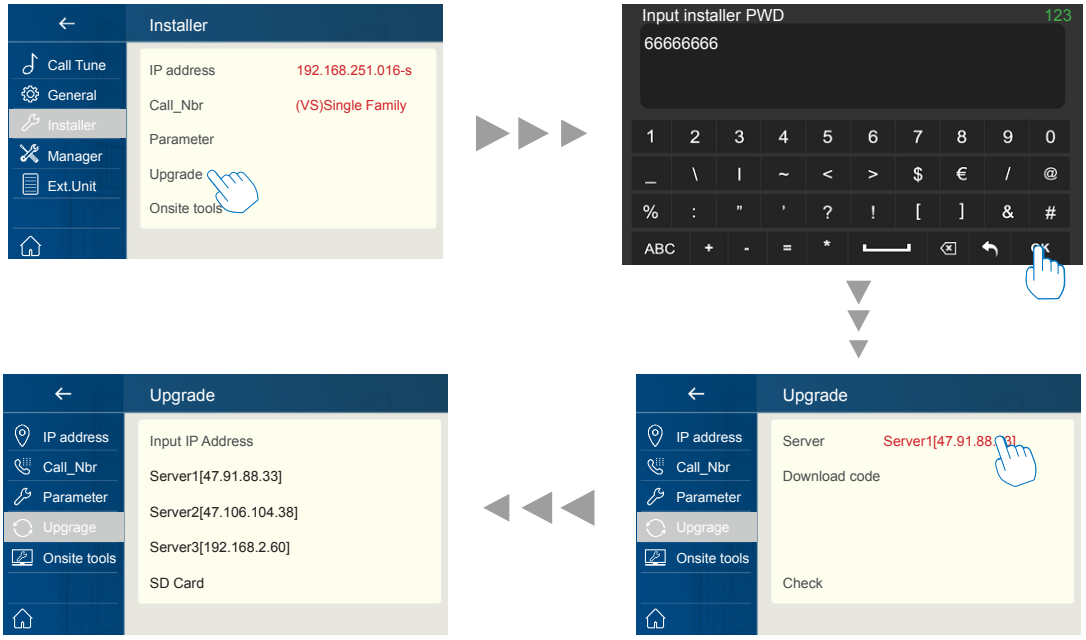
12] ADDRESS SET UP

1. From the main menu, tap the **Settings** icon.
   - A list of available settings is displayed.
2. Select **Installer**, and then tap **Call_Nbr**.
3. Input the room number.



13] UPGRADE

1. From the main menu, tap the **Settings** icon.
   - A list of available settings is displayed.
2. Select **Installer**, and then tap **Upgrade**.
3. Input the installer password (66666666 by default, or no password when the door station has installer mode enabled).



Touch **Server** to select the firmware source:

1. Cloud Server: Cloud server requires internet.
Server1[47.91.88.33]
Server2[47.106.104.38]

2. SD card
Copy upgrade firmware before upgrade.

Contact CDVI Technical Support to obtain the code then select Download code and enter the given code when the device needs to be updated. Touch **Check** to load the upgrade information from the source.

Screen messages:

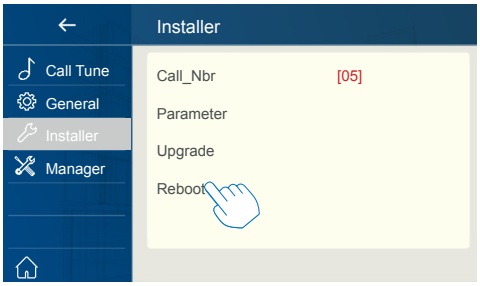
- **Please insert SD card**: #The upgrade is too large, requires SD card to store firmware.
- **Mismatched**: #Firmware update was found, but is not suitable for this device.
- **Connect Error**: #Check networks.
- **No file**: #Source has been inspected but there is no required firmware upgrade.

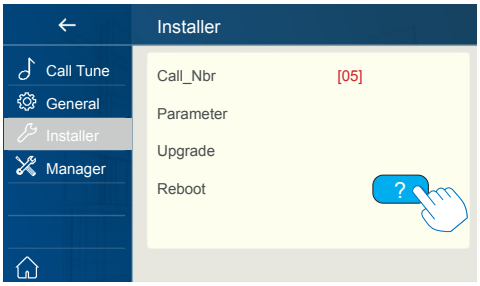
Important: Aside from firmware upgrades, the device will upgrade automatically. Do not power off the device during upgrades.

14] REBOOT, BACKUP AND RESTORE

Reboot

You can reboot or auto-reboot your device as follows:



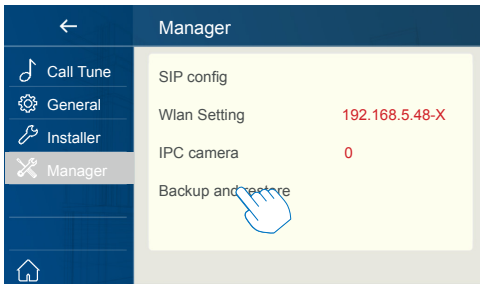


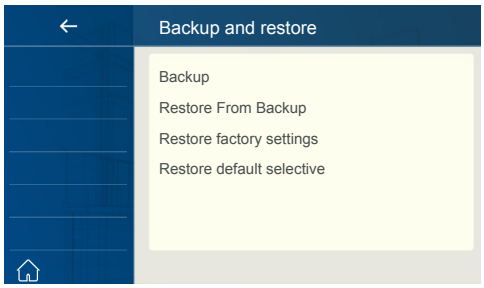
Backup and Restore

This device can backup the data via an SD card and allows the user to recover the settings to factory default.

You can choose from four options:

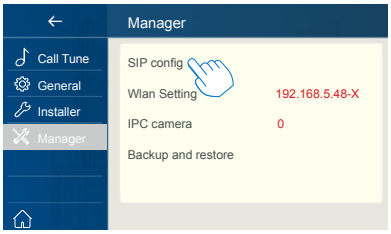
- Backup
- Restore From Backup
- Restore factory settings
- Restore default selective

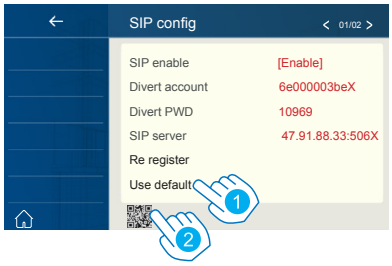




15] SIP CONFIGURATION

You can divert the call to your mobile device via the SIP server. The calls can then be diverted while you are away from home.





1. Touch to restore all settings on "SIP config" and create 2 SIP accounts: one for the DX monitor and one for the VDP Connect app. The server restores the two accounts' passwords to default and registers the account.

Only when:
- The DX monitor is not brand new you should select "Use default" before testing.
- The VDP Connect app is not able to register on the server.

2. When selected, the DX monitor will remove all SIP "contacts" on the server, and will attempt to re-register itself to the server.

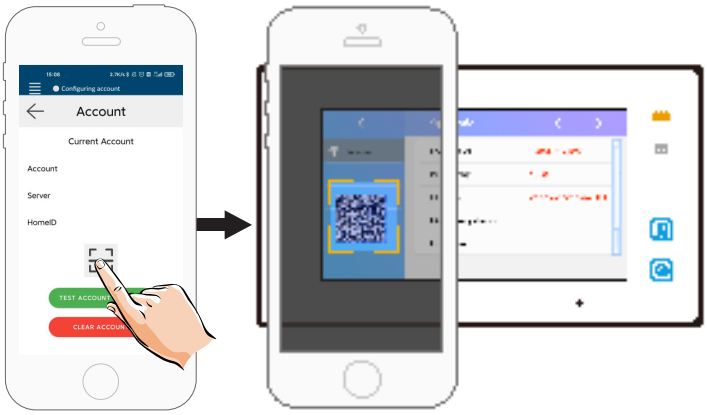
This function helps when:
- The VDP Connect app is not able to get push notifications.
- The DX monitor has connected to WiFi, but the "Server" icon appears with "!" or "x" beside it.

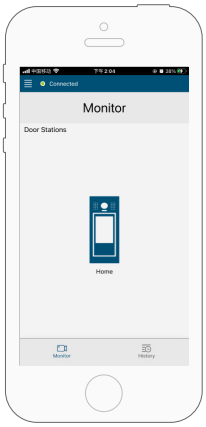
16] DOWNLOAD & SETUP VDP CONNECT APP

1. Scan the following QR code and download VDP Connect app, or search "VDP Connect" on the app store.

Search: VDP Connect

2. Permit "VDP Connect" with permissons, on DX monitor, tap "SIP Server" icon on main menu, and keep in "SIP config", on VDP Connect app, tap on top-right, to scan QR code on DX monitor, and tap "Save".

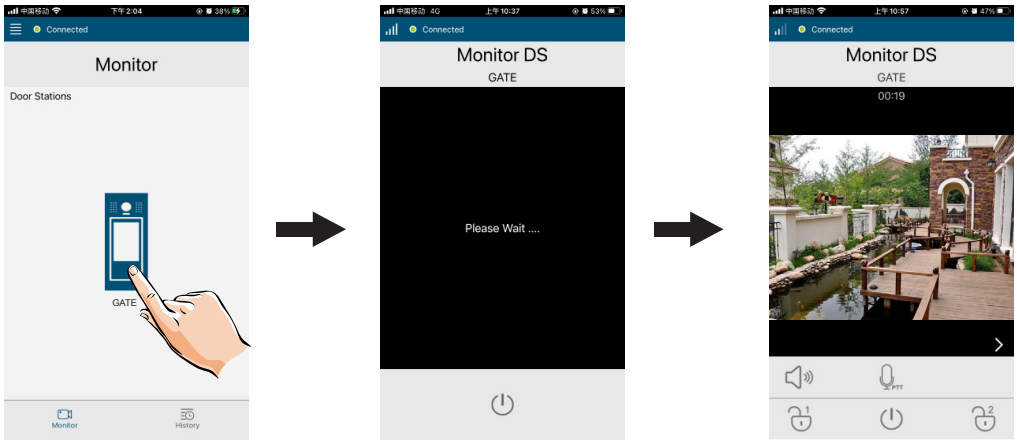




3. After logging into the SIP account on VDP Connect app, check on status bar, or tap on the "Connected" area to manually register, until the app displays this screen:

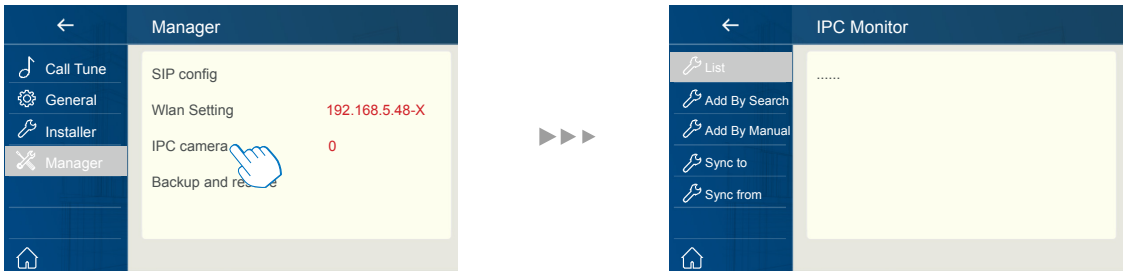
17] SURVEILLANCE DOOR STATION VIA VDP CONNECT APP

On the VDP Connect app, press on the icon and wait for a few seconds.
If the system has multiple door stations, you can switch to view the door station you want. Push PTT icon to talk, or push the unlock icon to open the door.

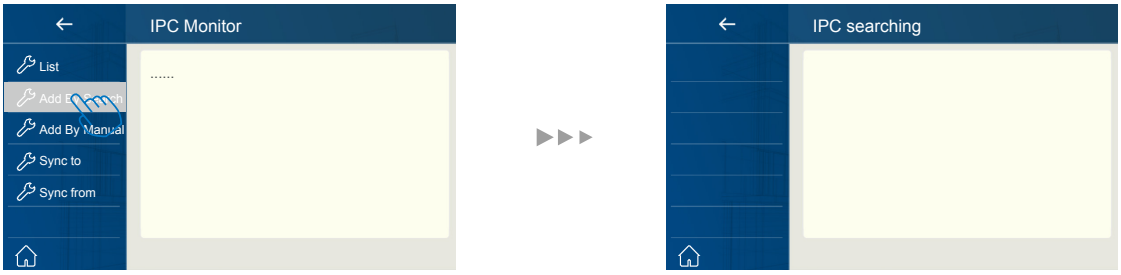


18] IPC SETTING

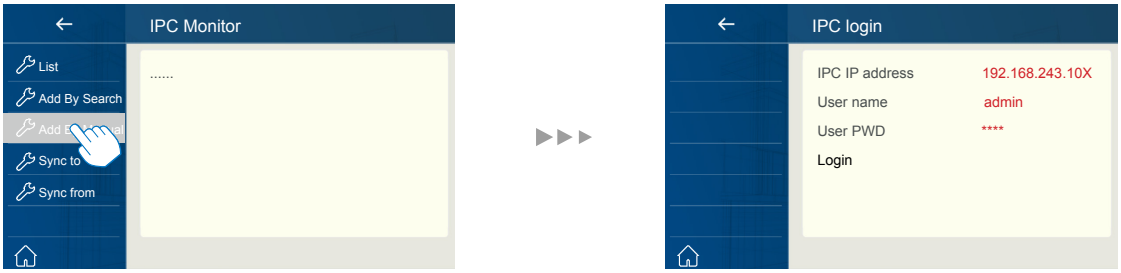
The IPC setting allows an IP camera to be viewed from the monitor.



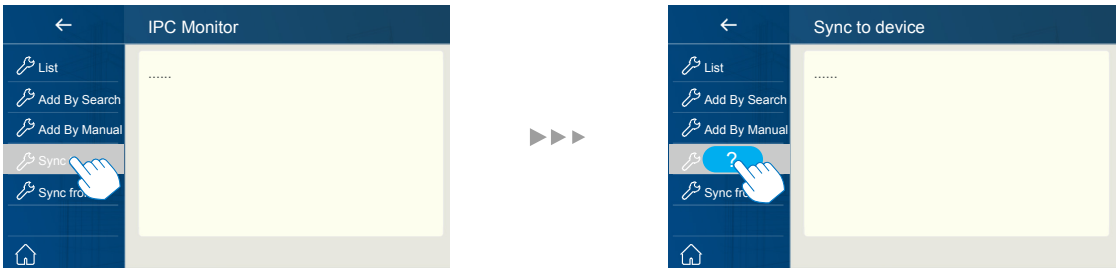
Add IPC by searching: Add the IP camera by searching online.



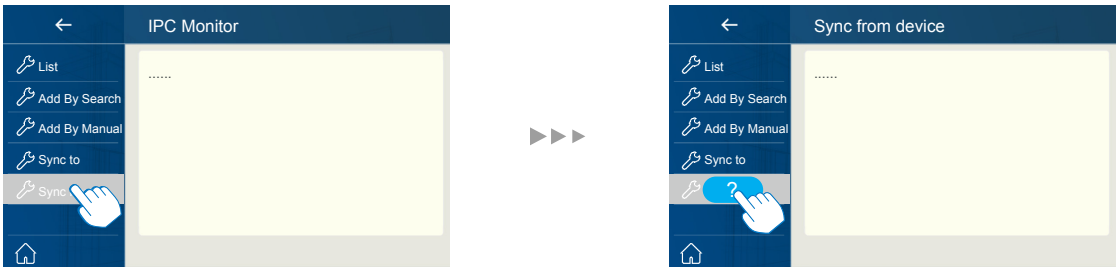
Add IPC manually: Add the IP camera manually.



Synchronise the IPC to another monitor



Synchronise the IPC from another monitor



Note: This function requires the monitor to be connected to WiFi.

19] SPECIFICATIONS

	Feature
Power supply	20-28Vdc
Power consumption	Standby: 1.7W Working: 8.2W
Monitor screen	7-inch IPS full view angle digital color TFT
Display resolutions	1024 x 600 pixels (R, G, B)
Operating temperature	- 10 to 50°C
Wiring	2 wires, non-polarity
Wiring distance	100m
Dimensions	174(H)×161(W)×22(D)mm

20] PRECAUTIONS

1) All components should be protected from violent vibration. Do not allow to be impacted, knocked, or dropped.

2) Clean with soft cotton cloth. Do not use organic or chemical cleaning agents. If necessary use a little pure water or diluted soapy water to clean the dust.

3) Image distortion may occur if the video monitor is mounted too close to a magnetic field e. g. Microwaves, TV, computer etc.

4) Keep the monitor away from moisture, high temperatures, dust, caustic and oxidised gases in order to avoid unforeseen 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.

Reference : DT-ENG-DX470-TD7-V1
Extranet : CDVI_CDV-470DX_IM_01_EN_A4_C

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