

DX-471 Video Door System

WIFI/IP/ 2-wire Series

Installation and User Manual



Image Recording Touch Screen Monitor

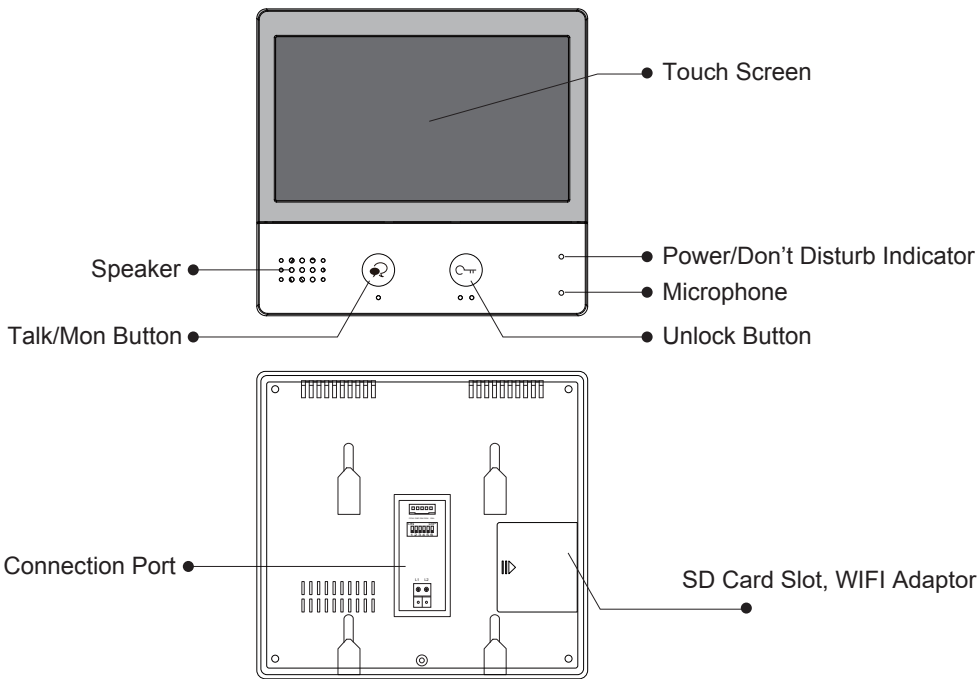
PRECAUTIONS

- Read this manual through before using the product
- 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. And not allow be impacting, knocking and dropping
- For clean the LCD screen, using hands or wet cloth is forbidden
- Please do the cleanness with soft cotton cloth, please do not use the organic or chemical clean impregnate. 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.
- Please keep away the video door monitor from wet, high temperature, dust, and caustic and oxidation gas in order to avoid any unpredictable damage
- Do NOT open the device in any condition, call the administrator for help if there is any problem or malfunction happens

Content

1.Parts and Functions	1
2.Mounting	2
3.Main Menu	3
4. Answering a Call	5
5. Zoom Pan&Tilt.	6
6.Manual Monitoring	6
7.Call Another Room or Apartment (Intercom).	8
8.View Call Records.....	10
9.Operating a Light.....	11
10.Don't Disturb Function	12
11.Settings	13
Enter settings	13
Ring tone settings	14
General settings	15
Date and Time	18
Installer settings.	18
Wireless Settings.....	21
12. The App.....	23
13. Surveillance via App	24
14. SIP Tools.	25
15.Specifications.....	29

1. Parts and Functions



Key Functions

Speaker	To listen the visitors
Talk/Mon button	Press for hands free communication with visitors Press to view the doorbell in standby mode
LCD screen	Display the visitors' image
Power/Don't Disturb	Power status Don't disturb status
Microphone	To talk to visitors
Unlock button	Press to release the lock
Connection port	Bus terminal. DIP switches to set monitor's address

Terminals Description

SW+,SW-: Extra Door Bell button connection port

Ring,GND: Extra Ringer connection port

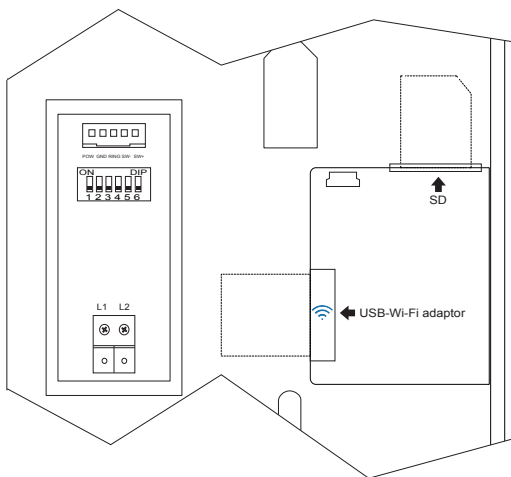
POW,GND: 12~16V extra power connection port

DIP switches: Set the address of monitor

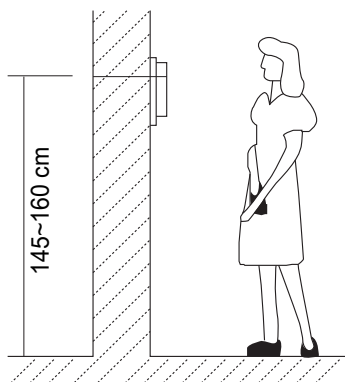
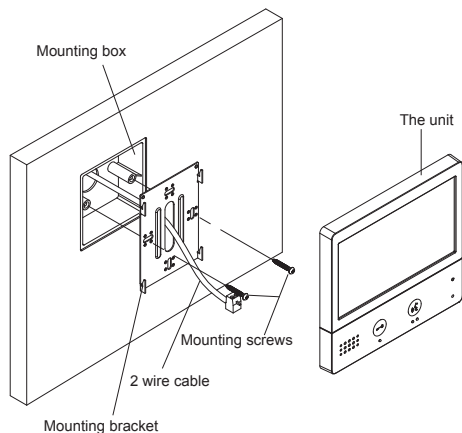
- **DIP 1~DIP5:** User Code setting

- **DIP6:** End of line switch

L1,L2: Bus line terminal



2. Mounting

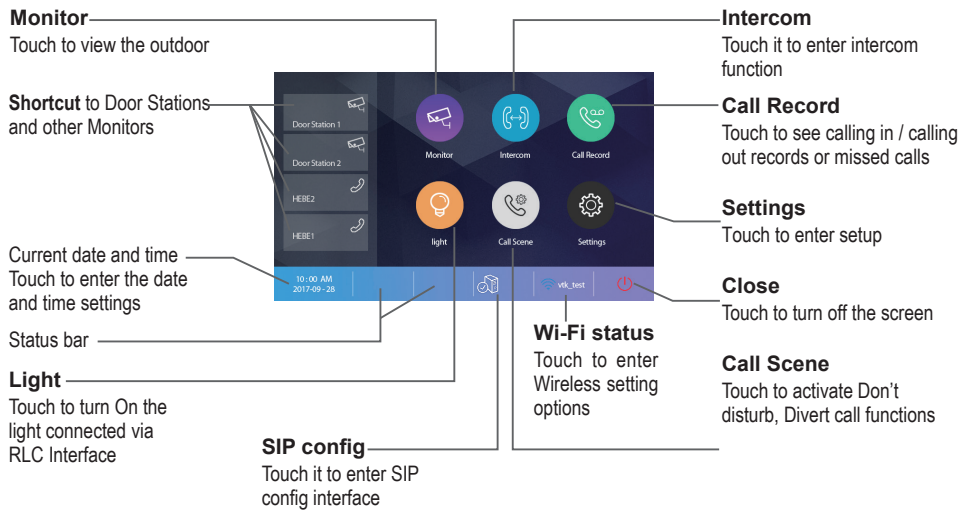


The installation height is suggested to 145~160cm

1. Use screws to fasten the mounting bracket to the wall with mounting box
2. Connect 2 wire cable to the green connector
3. Hung the unit onto the mounting bracket




3. Main Menu

When you power-up a monitor for the first time, give it 20 sec to boot. Touch screen will be not responsive whilst booting. When Power LED stopped flashing- booting has been finished. Touch **Unlock** button, or touch anywhere on the screen of monitor in standby and Main menu will appear as follows:



Function Status

Icon	Meaning	Description
	Missed call	Displays when there are missed calls Touch to review the missed calls - shortcut
	Don't disturb activated	Displays when function is activated
	Call transfer	Touch to enter Call Scene page - shortcut
	SIP server connection active and configured	Touch to enter SIP server information page - shortcut
	SIP server connection disabled	
	SIP server connection active but not connected	


Icon	Meaning	Description
	WiFi connection active but not connected	Touch to enter WiFi setting interface - shortcut
	WiFi connection disabled	
	WiFi connection active and configured	

While Talking with a Door Station

Displays which door station is calling

Displays talking time

5 direction button:
Zoom, Pan&Tilt



Shows status of talking, unlocking etc.

Red, while recording

Note: The 5 direction operation only available with **Fisheye** Door Station

4. Answering a Call

1. Touch to answer the call

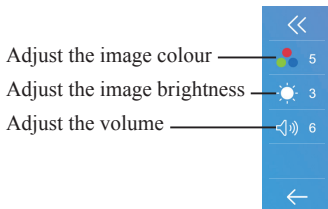
Touch again to end the call

2. If necessary, during the call, touch to display audio/video adjustment icons

3. Touch to record image/ video manually



4. Touch icons to adjust the parameters you want



- Adjust the image colour — 5
- Adjust the image brightness — 3
- Adjust the volume — 6



5. Touch to open the door lock
Opened lock icon will be displayed on a screen briefly to indicate that the door lock has been released



5. Zoom Pan&Tilt

If want to see greater details of visitors,move to the desired position by touching ▲ ▼ ● ◀ ▶ on the screen to view the image in Zoom Pan&Tilt mode

1. Touch to activate zoom pan&tilt function



6. Manual Monitoring

Touch to select Door Station/s or CCTV cameras if installed for manual monitoring function even when nobody rung the bell

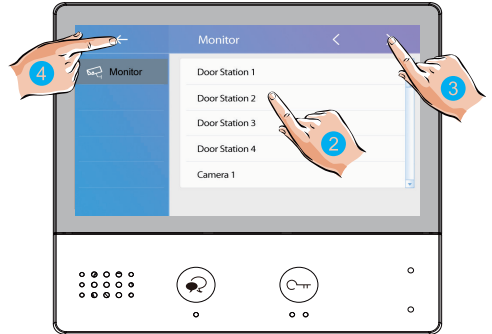
1. Touch to display all cameras connected to your system



2. Touch to activate desired camera

3. Touch “>” (to display in sequence) all other cameras

4. Touch to return to the previous page



5. Touch to activate specified camera - shortcut



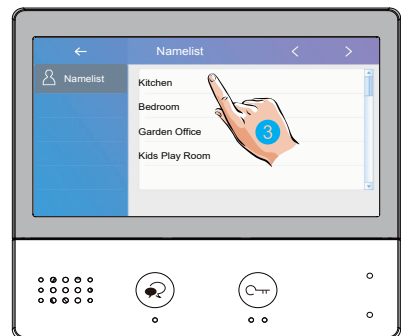
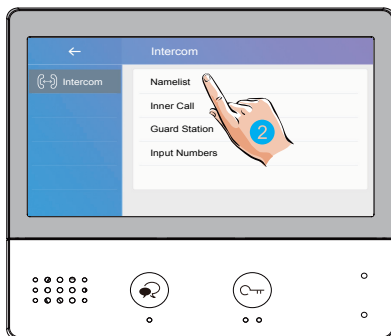
6. If camera belongs to the Door Station, touch to activate Audio if needed
Touch again to return to previous page



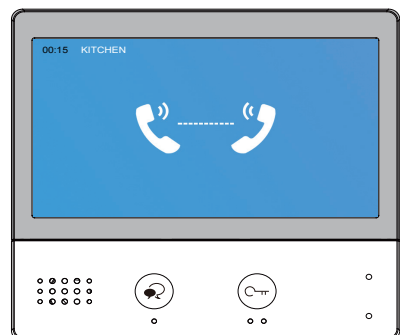
7. Call Another Room or Apartment (Intercom)

It is possible to communicate with another monitor if multiple monitors installed in House system or with another apartment in Apartments system

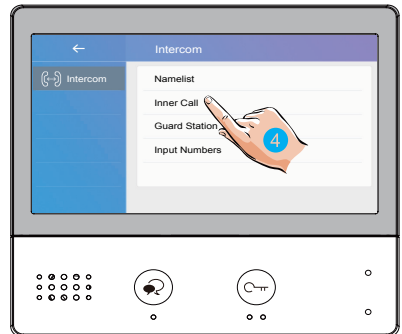
1. Touch to display available Intercom options
2. Touch **Intercom by Namelist**: to a specific room only
3. Touch to call to a desired room



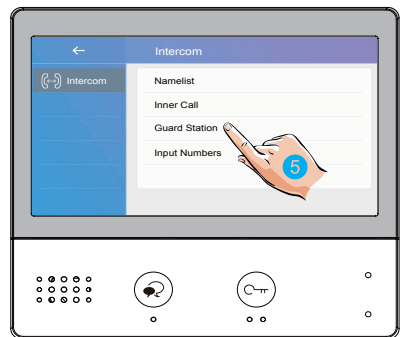
The call is in progress



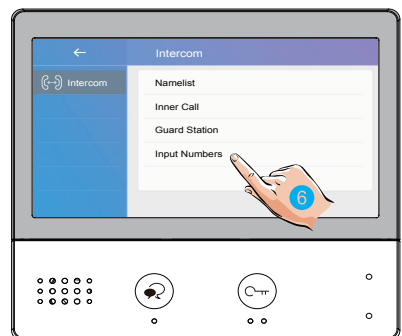
4. Touch to Intercom with another room via **Inner Call**: all other monitors will ring



5. Touch to Intercom with **Guard Station**- concierge (apartments system only)



6. If there is no **Namelist** created, you can call other monitors in the system directly by numbers: you must know the address of monitor which you planning to call



7. Type in numbers, then OK. For example 02 will call the monitor with Address (User Code) 2



Note: Call from Door Station has a priority and will cancel Intercom call in progress

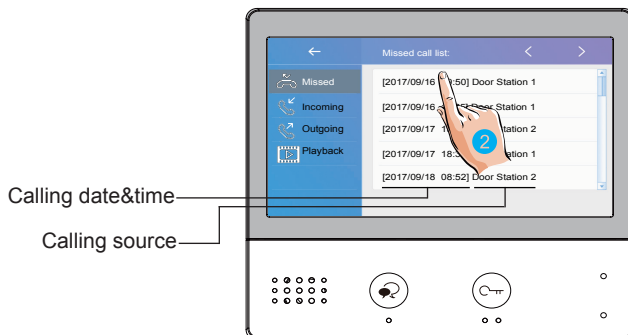
8. View Call Records

Power indicator turned red and flashing- there are some missed calls



1. Touch **Call Record** to see all records. These records include missed calls, incoming calls, outgoing calls and playback

2. Touch to show missed calls



100 images from Door Station will be automatically recorded on internal memory

3. Touch to scroll to a next image

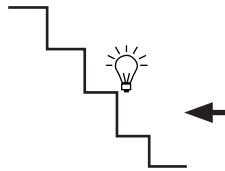
4. Touch to delete the image



9. Operating a Light

This function is available only when actual security light is connected with an additional RLC Interface

1. Touch to operate the light. It will be turned off after 60s automatically



10. Do Not Disturb Function

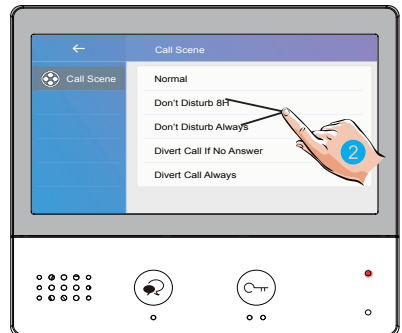
Do Not Disturb function will set the monitor to not react to door station or other monitors calls

1. Touch **Call Scene**



2. Touch to set Don't disturb mode:

Don't Disturb 8H or
Don't Disturb Always



Don't Disturb 8H: No calling from door station or other monitors for 8 hours

Don't Disturb Always: No calling from door station or other monitors until the function is allowed

Notes:

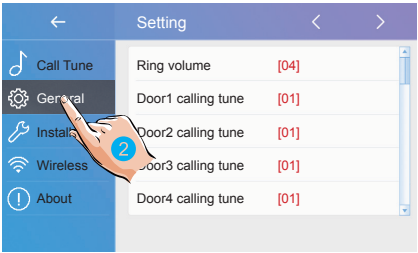
* Power indicator turns from green to red, to indicate that the Don't Disturb function has been activated

* This function will perform immediately and the status bar on the Main Menu page will show this icon: 🔔






11. Settings

Enter setting page

1. Touch to enter **Setting**



2. Touch icons for desired customization, choosing amongst:

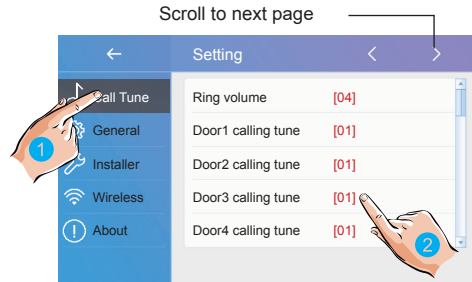
 Call Tune >	Ring volume - Door1 calling tune - Door2 calling tune - Door3 calling tune - Door4 calling tune - Doorbell calling tune - Intercom calling tune - Inner Call calling tune - Guard Call calling tune
 General >	Date and time - Language - Monitor time - Shortcut setting - SD card - Restore to default
 Installer >	Current address - Intercom enable - FW upgrade - System setting
 Wireless >	Wi-Fi switch - WLAN setting - Wireless device regist - IP/Smart phone regist - SIP config
 About >	All kind of device information

Ring Tone Settings

If system has more than one Door Bell the ring tones can be set individually to distinguish different calling sources. There are 22 tones to choose from

1. Select **Call Tune**

2. Select door bell and change the tune



Ring volume: adjust the ring volume

Door1/2/3/4 calling tune: call tone for Door Stations 1/2/3/4

Door Bell calling tune: call tone for additional Bell button if installed

Intercom calling tune: call tone for Intercom function

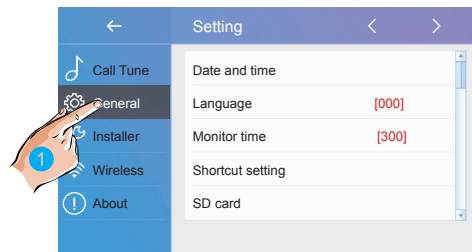
Inner Call calling tune: call tone for Intercom function

Guard Call calling tune: call tone for the Guard Intercom

General Settings

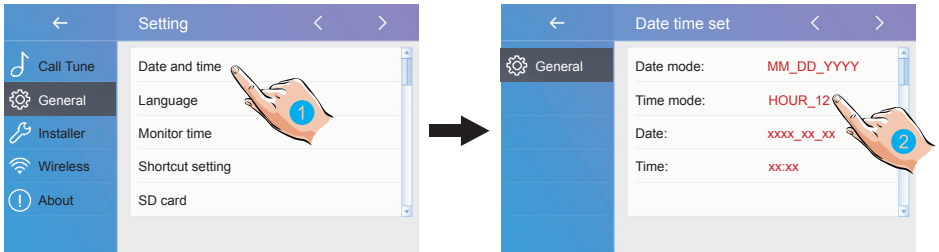
This section contains the general settings and device information

1. Select **General**



Date and Time Settings

The current date and time can be modified here



1. Select **Date and Time**

2. Touch to select the item you want to change

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

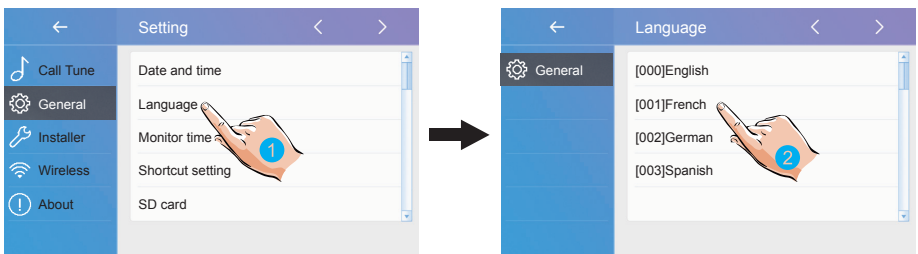
Time: touch to set the time

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

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

Changing the Display Language

Here you can change language



1. Select **Language**

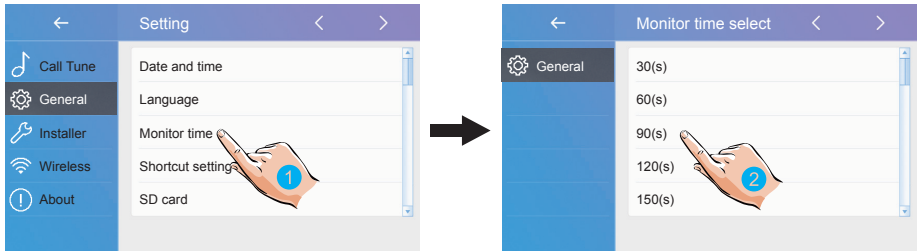
2. Select language and then confirm

*If the target language is not found on the page, touch > icon to scroll to a next page

Monitoring Time Settings

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

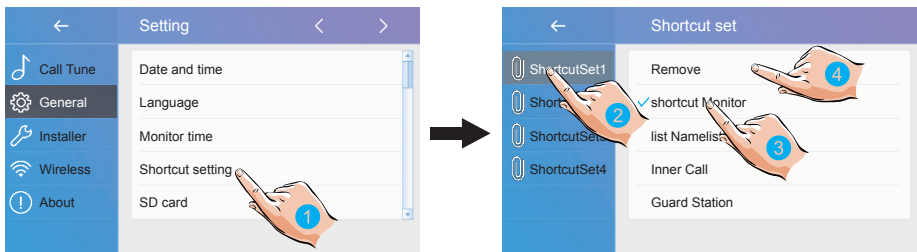
* 30s is the default



1. Select **Monitoring time**
2. Select the time you want, and then confirm

Shortcut Settings

There are 4 shortcuts appearing on the Home page. Here is how to set, change or remove those shortcuts

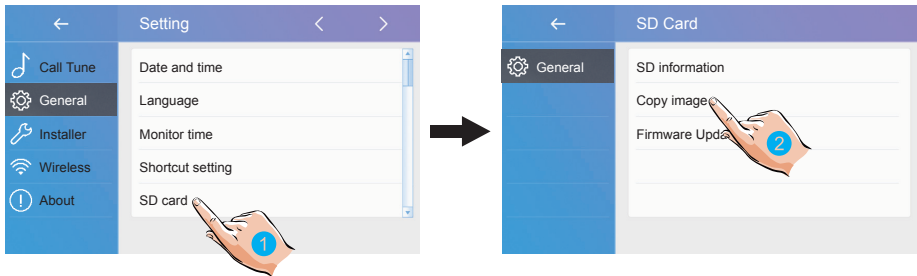


1. Select **Shortcut Setting**
2. Select **Shortcut 1** to make changes
3. Select **Monitor list** to add Door station to a shortcut
4. Or you can remove shortcut completely

There is no Confirm to perform. Touch Back button to leave the page

SD Card

Maximum 32GB micro SD card can be installed to enable records of 10s video clips



1. Select **SD card**
2. Select the item you want, and then touch to confirm

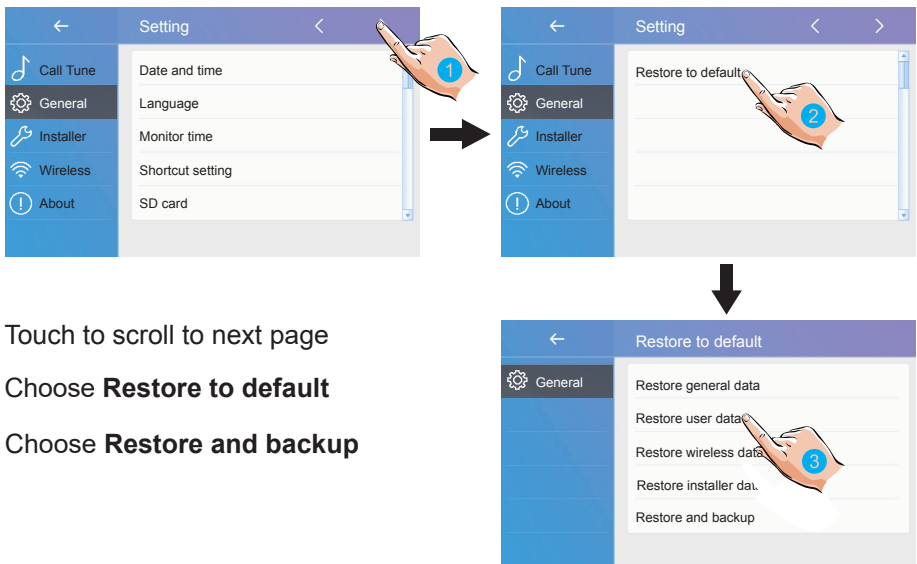
SD information:SD card capacity

Copy image: touch to copy the recorded images onto SD card

Firmware Update: to update the device firmware

Restoring to Default Settings

To recover factory settings



1. Touch to scroll to next page
2. Choose **Restore to default**
3. Choose **Restore and backup**

Installer Settings

Single Monitor House system: DX471 monitor User Code (Address) keep it as 00.00 (factory default). Up to 5 smart phones can be registered

Multiple Monitors System for a House


DX-471 monitor: maximum 3 x DT 2-wire series monitors can be added and up to 5 x smart phones

All additional DT monitors have to be programmed as Slave 1, Slave 2, Slave 3

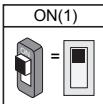
Monitor Address Programming for Apartments Systems

DIP switches on the back of the monitor are used to set the user code for each apartment

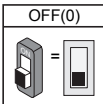
- DIP-1 to DIP-5 are used for user code setting. The value range is from 1 to 32. Always start with User Code 1 for Apartments systems
- DIP-6 -end of line switch. Flip On for single monitor in the apartment or flip On for last monitor in the chain if multiple monitors installed in one apartment.
Apartment 32 program with User Code 00. Dial 32 to call



ON(1)



OFF(0)



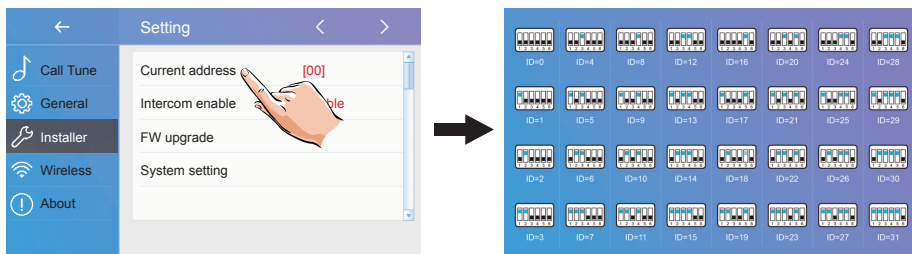
Monitor Address Programming for Multiple Monitors in One Apartment

Up to 4 monitors maximum can be connected in each Apartment: 1 x DX monitor and 3 x DT 2-wire series monitors

- DIP switch settings should be the same for all monitors in one apartment
- DIP-6 Flip On for last monitor in the chain
- Program additional monitors as Slave 1, Slave 2, Slave 3

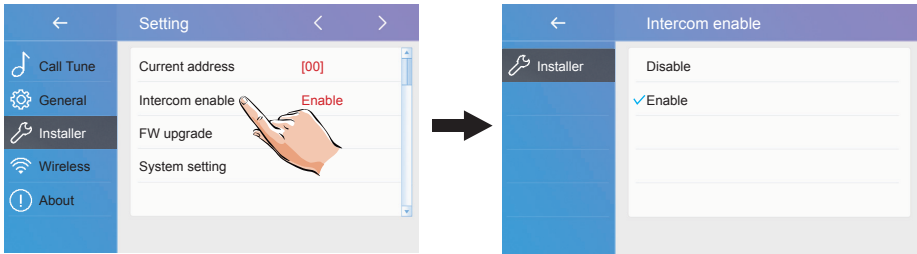
DIP SWITCH TABLES FOR 32 USER CODES/ADDRESS

Tables can be found in Installer Settings. Program via DIP switches on the back of monitor



Enabling/Disabling Intercom Function

It is possible to enable/disable the intercom function



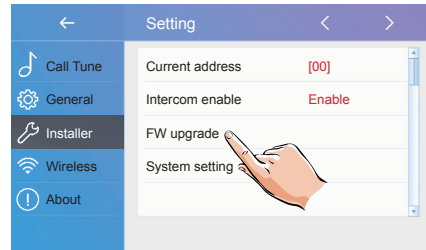
*Intercom function is enabled by default

Software Upgrade

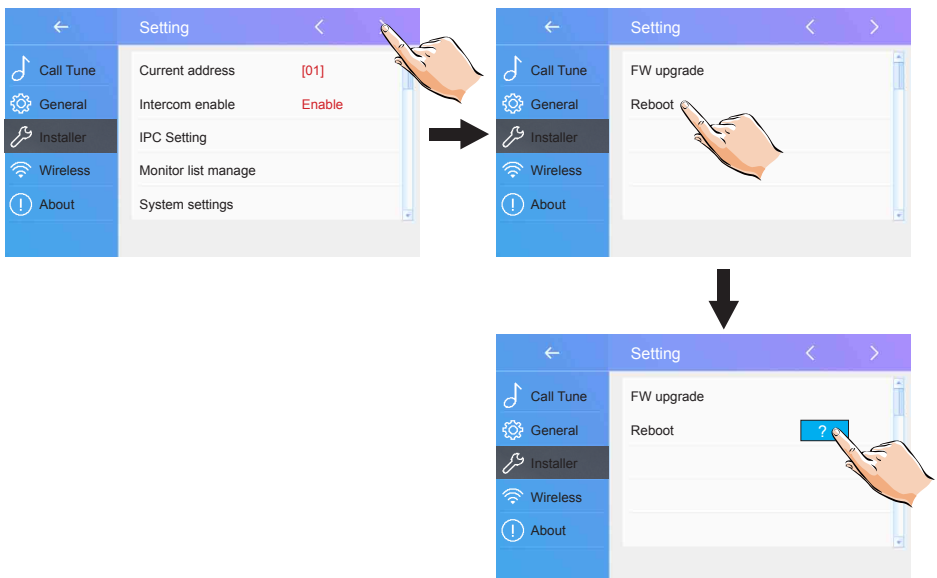
It's available to upgrade the device software via SD card when upgrade become available. Install SD card with upgrade file on it

Select FW Upgrade

Upgrade starts automatically



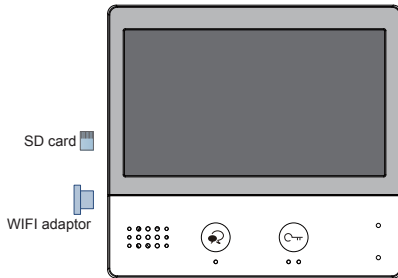
Reboot



Wireless Settings

WiFi/IP DX-471 video monitor can divert call to your smart phones and tablets. It connects to the Internet via WiFi

Step 1: connect your monitor to the Internet



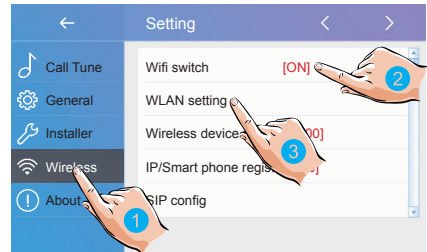
Wi-Fi monitor DX-471



3P-USB cable for
FW updating

Local WiFi Settings

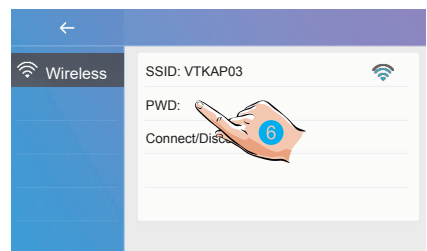
1. Touch **Wireless**
2. Make sure the **WIFI is ON**
3. Touch to enter **WLAN setting** page



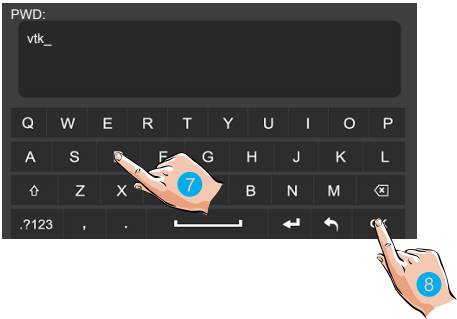
4. Scroll the page
5. Select the domestic network to which you want to connect



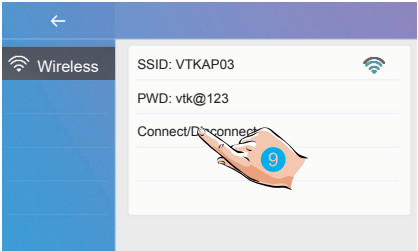
6. Touch to enter password settings



7. Enter the password (if required)



8. Touch **Connect**



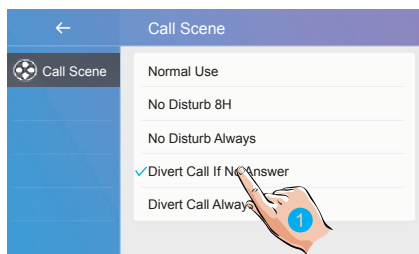
Icon	Meaning	Description
	WiFi connection active but not connected	Touch to enter WiFi setting interface - shortcut
	WiFi connection disabled	
	WiFi connection active and configured	

Step 2: Choose Divert Type

Go to the **Call Scene**

1. Select the divert call type
Divert Call If No Answer or
Divert Call Always





Divert Call If No Answer: When Door Station called and call is not answered within 30s, the system will divert the call to a smart phone

Divert Call Always: When Door Station called, call diverts to smart phone immediately

STEP 3: Download VDP Connect APP

1. Scan QR codes below or search for “VDP Connect” in APP store or Google Play (android). Install the App and give it permission in your smartphone settings

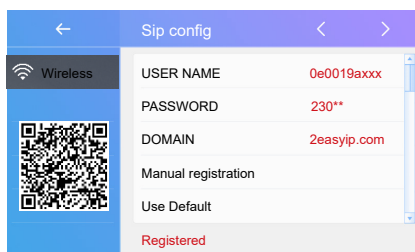
IOS

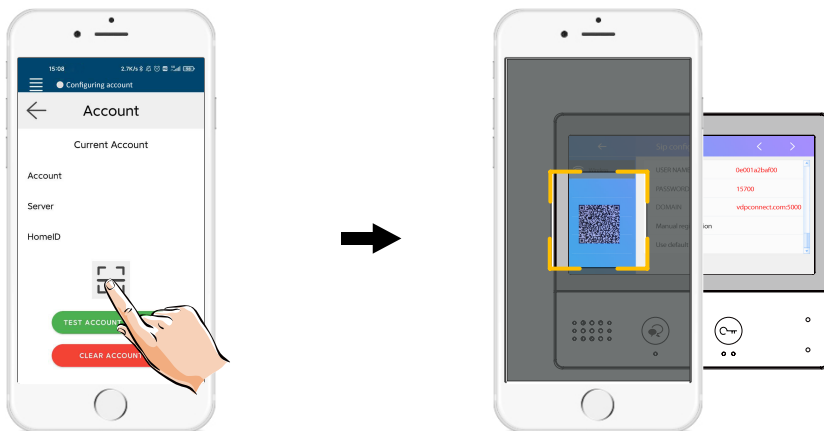


Android



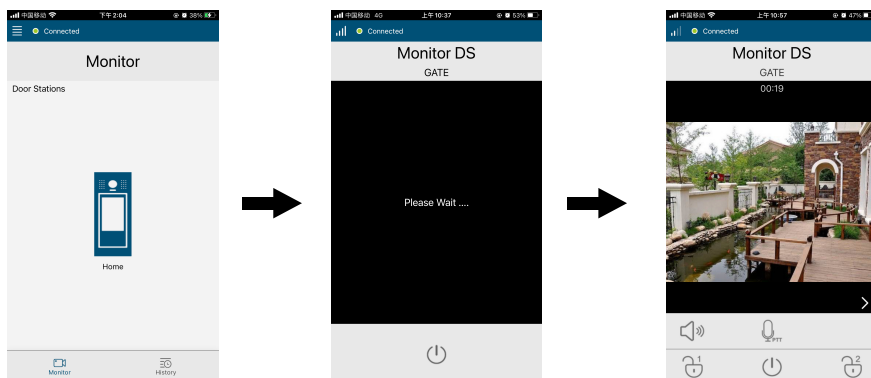
2. On the monitor, touch “SIP Server” icon on the home page scan QR code from the monitor and “Save”





Door station surveillance via VDP CONNECT APP

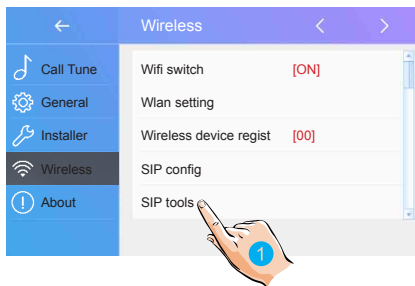
On VDP CONNECT APP, press on the icon and wait for a few seconds.
If the system have multiple door stations,you can switch to view the door station you want. Push PTT icon to talk, or push unlock icon to open the door



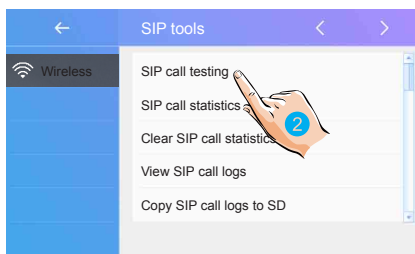
SIP Tools

SIP tools could test divert function and with an unattended door station

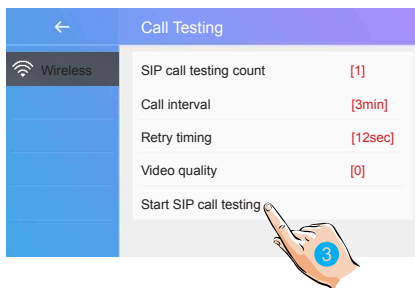
1. Touch to enter the 'SIP tools' page



2. If pressing door station call button doesn't end up in divert, try Auto-Test. Touch 'SIP call testing' to enter



- "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 calls;
- Keep "Retry timing" as default 12sec
- Set "Video quality" to 0, means lowest required to any Network;

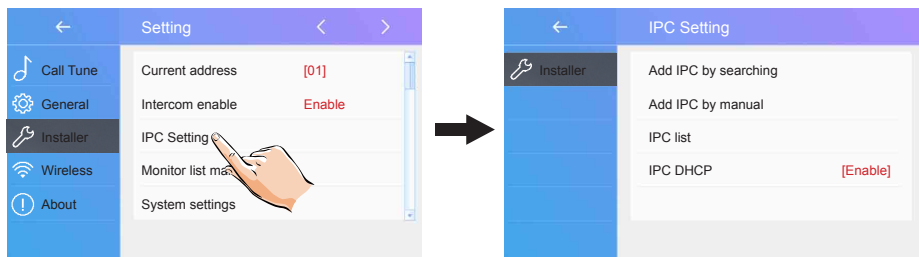


3. Touch "Start SIP call testing", WiFi/IP monitor will immediately divert a call to a smart phone

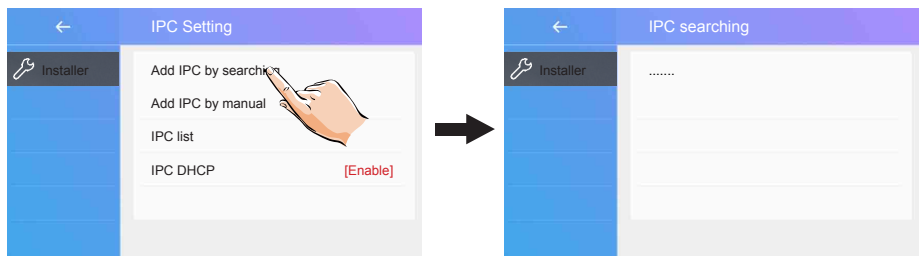
On SIP tools page, you have access to "SIP call statistics", "Clear SIP call statistics", "View SIP call logs", "Copy SIP call logs to SD", "View registered Phones"

IPC Setting

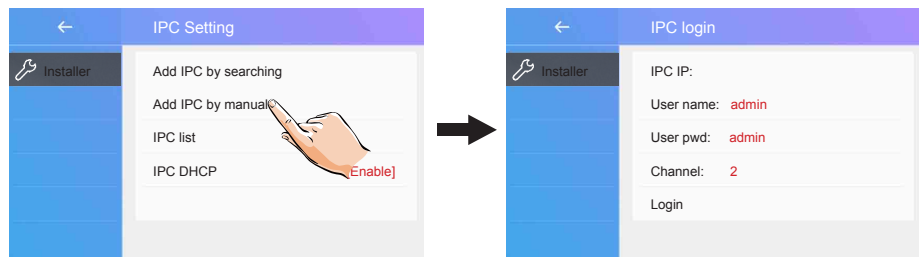
Function to add IP CCTV cameras



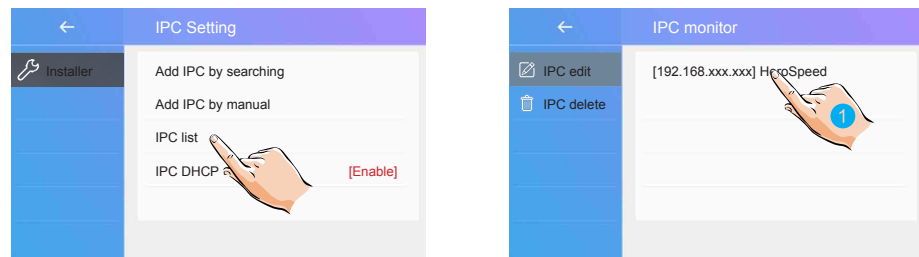
Add IPC by searching: Add the IP camera by searching online



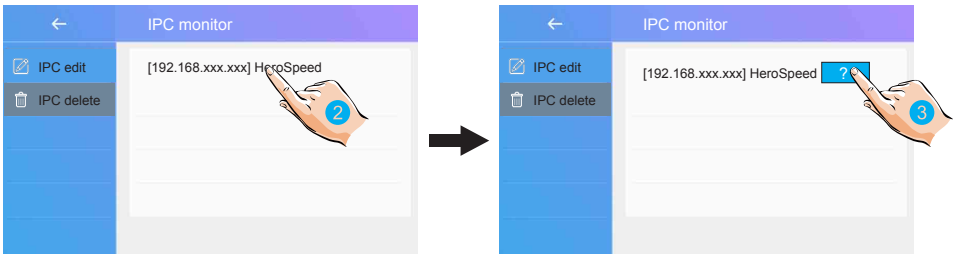
Add IPC by manual: Add the IP camera manually



IPC list: IP camera list

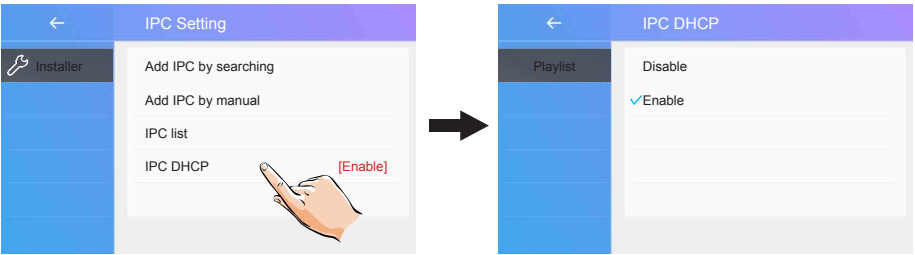


Touch to edit the IP camera name



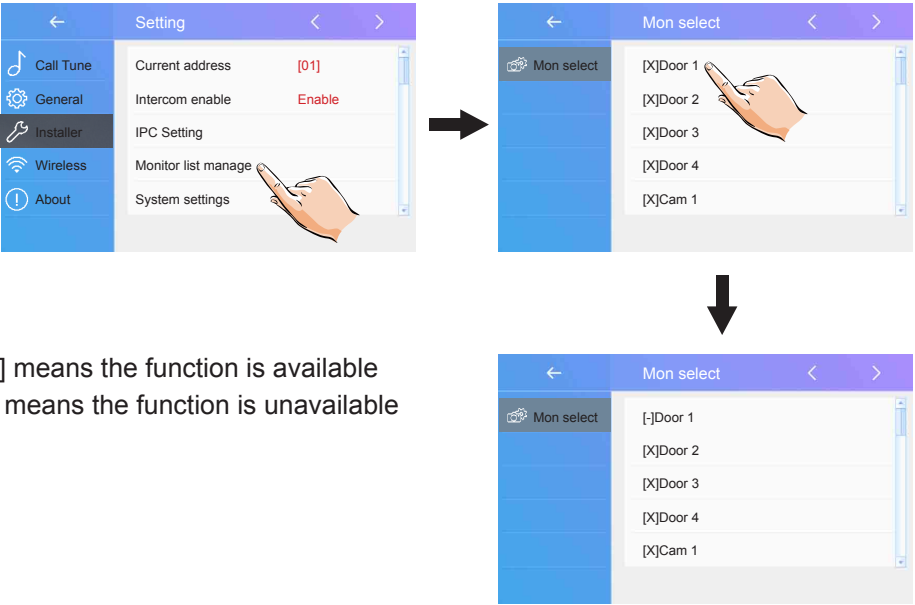
- 2. Touch to enter 'Delete IP camera'
- 3. Touch to confirm delete

IPC DHCP: you can either enable or disable the IP CCTV Cameras



Monitor list manage

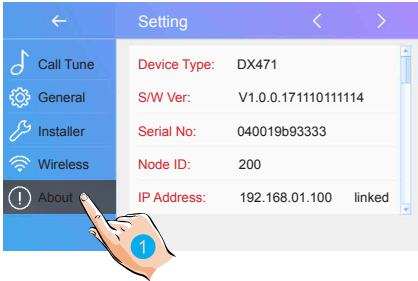
Function to manage the monitor list



[X] means the function is available
 [-] means the function is unavailable

About

1. Touch to enter 'About' page



- 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:** shows the device is a master monitor or sub monitor
- Online:** shows the numbers of sub monitors

16. Specifications

- Power supply: DC 20~28V
- Power consumption: Standby 1.8W; Working 8.16W
- Monitor screen: 7 Inch digital colour TFT
- Display Resolutions: 800*3(R, G, B) x 480 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, no-polarity
- Dimensions: H161×W174×D22mm

WARRANTY CARD

NB Please keep this document safe, as it is proof of your Warranty
Your Video door system comes with a one year Manufacturers Warranty. When used normally, the following services are offered:

1. Replacement for malfunctioning parts in first three months
2. Repair free of charge for malfunctioning parts in first year

The following actions will void the Warranty:

1. Damage to the device during installation
2. Damage to the device through misuse
3. Opening and/or disassembling the device
4. Attempting to force the device to perform functions for which it is not intended
5. Attaching the device to power supplies other than those recommended by the manufacturer

Distributor for Warranty purposes:

Intelligent Home Online Ltd
62 Hartley Old Road
Purley
Surrey
CR8 4HJ
+44 (0)20 86170015

www.intelligenthomeonline.com

Product: WiFi/IP DX-471 Image Recording Monitor

Serial Number: _____

Invoice N: _____

Purchase Date: _____



DX-471 WiFi/IP

The design and specifications can be changed without notice to the user.
Right to interpret and copyright of this manual are preserved