

Digital Indoor Monitor

Installation and Operation Guide



SM812CH-MV3(T)
SM812CH-MV3



SM385CH-MV3(T)
SM385CH-MV3



SM328CH-MV3(T)
SM328CH-MV3

2013-V01

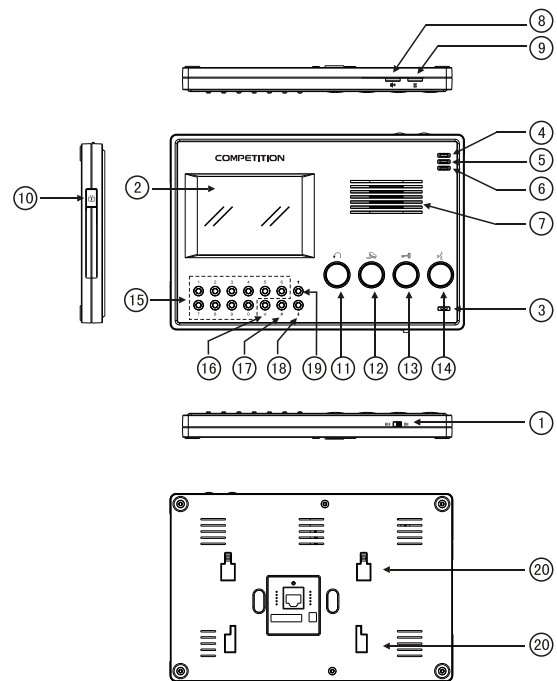
RoHS 

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► SM385CH-MV3/MV3(T)

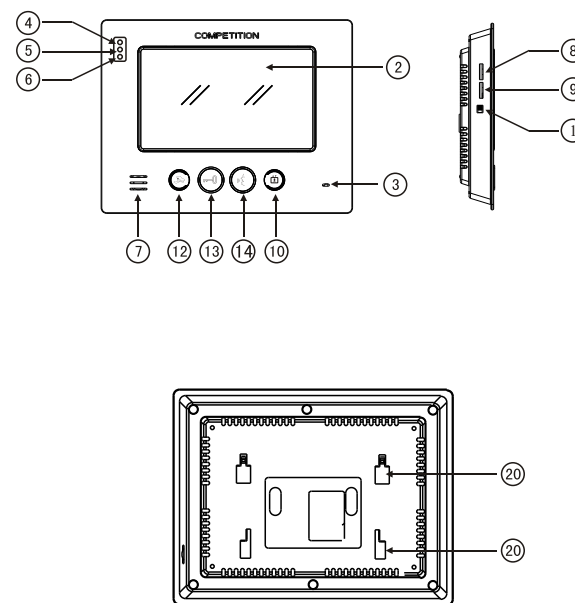
4" screen



Dimension: 230x152x21mm

► SM812CH-MV3/MV3(T)

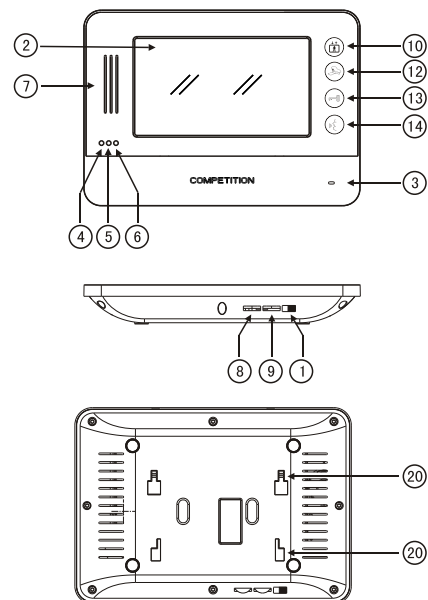
7" screen



Dimension: 222x170x30mm

► SM328CH-MV3/MV3(T)

7" screen



Dimension: 240x170x33mm

No.	Function	No.	Function
①	Power on/off	⑪	return key
②	screen	⑫	Call management centre
③	MIC	⑬	Unlock door/Monitor
④	Indicator light of power	⑭	Talk
⑤	Indicator light of network	⑮	numeric key
⑥	Indicator light of message	⑯	delete key
⑦	Speaker	⑰	confirm
⑧	Volume adjustment	⑱	Down
⑨	ringtone adjustment	⑲	Up
⑩	call lift	⑳	Mounting bracket hole

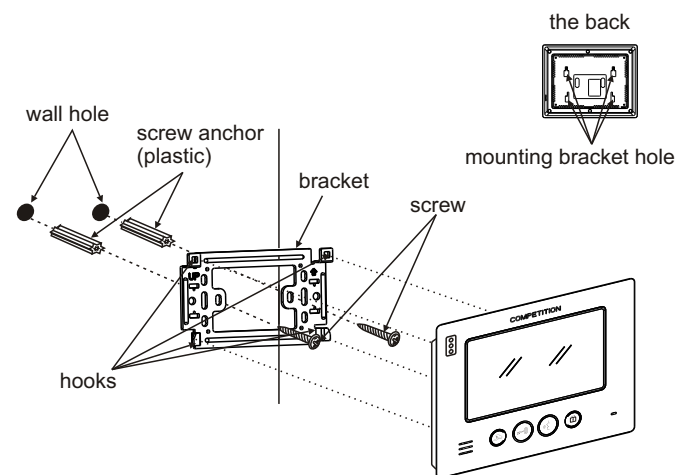
Technical parameters	
Voltage: DC 12V \pm 10%	Working temperature: -20°C ~ +55°C
Standby current: 170/185mA	Conversation time: 2 minutes
Working current: 230/365mA	Conversation method: Two-way conversation
Standby power consumption: 2.2/2.8W	Memory space: 256M(built-in)

► Basic functions

- Colour LCD touch screen(SM385CH is button operation);
- Eight section alarms with password arm/disarm;
- Call, talk, unlock door, audio and video monitor;
- Intercom between apartments, intercom between indoor monitors with the same apartment, call transfer.
- This system uses TCP / IP network method (through the network to achieve functions);
- Check the video message from indoor monitor;
- Audio, video and control signals of the system are pure digital signal;
- Video encoding format is MPEG4; Audio encoding format is G.711;
- Information receiving function: able to receive text format messages (eg. The notice of water and power off from the property management center); store message in the indoor monitor;
- The system includes an online upgrade function; system upgrade is through the network; it makes system maintenance more convenient.

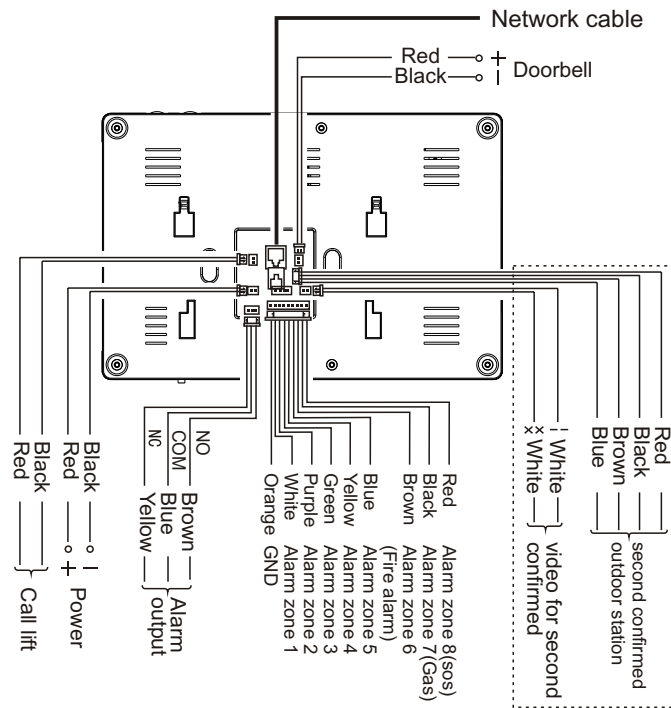
► Installation of indoor monitor

1. Locate the bracket on the installation place, keep it horizontal and mark the drilling positions;
2. Drill holes according to the marked drilling positions and pad with screw anchors;
3. Fasten the bracket with the screws properly on the installation place;
4. Connect the indoor monitor according to the wiring diagram;
5. Mount the indoor monitor properly on the bracket hooks.



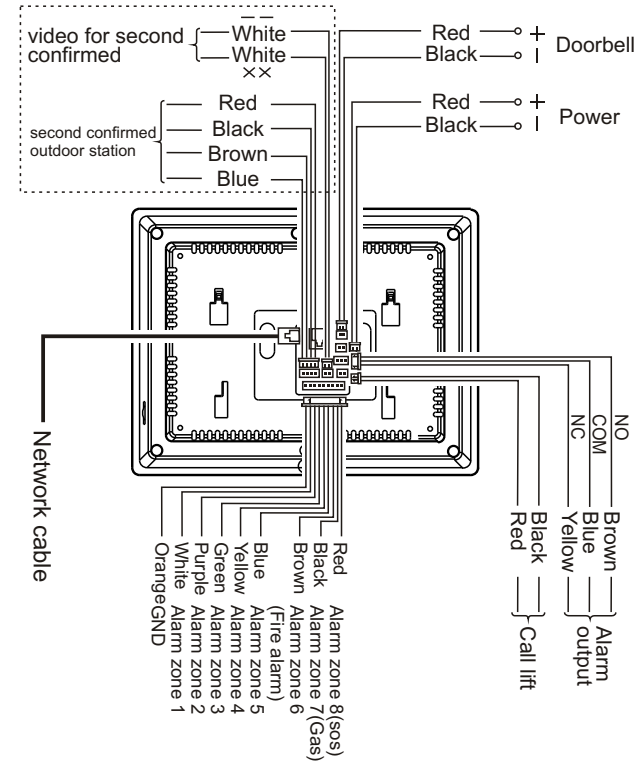
Notice: Please refer to the steps above for the installation of SM328/385CH.

► Connection for SM385CH



Notice: The ports in the dashed line box exist only in the indoor monitor with (T) in the back of the model number. When the system connects to main and slave monitors, analog outdoor station with 4+2 wire should be connected in parallel with each indoor monitor.

► Connection for SM328/812CH



Notice: The ports in the dashed line box exist only in the indoor monitor with (T) in the back of the model number. When the system connects to main and slave monitors, analog outdoor station with 4+2 wire should be connected in parallel with each indoor monitor.

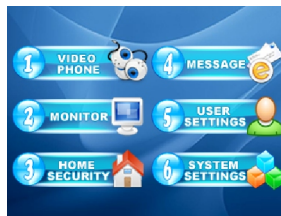
► SM385CH indoor monitor operation guide

System startup

Before turn on the power, make sure the indoor monitor is connected correctly. Then turn on the power switch on the bottom of the indoor monitor. Picture 1-1 is the startup screen. Startup requires 40 seconds. Main interface is as picture 1-2. The screen server will be activated if no operation in 30 seconds. After 3 minutes screen saver mode, the machine will activate the power saving mode.



picture 1-1



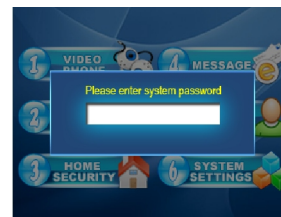
picture 1-2

Main menu interface

After the system startup is successful, or the indoor monitor is in the standby mode, press any button, the screen will show the main menu as picture 1-2. There are video chat, monitor, home security, message check, user setting, system setting.

System setting

In the main menu, press number 6 to choose the 6th option. Press the number again to confirm the selection. Picture 1-3 the system password interface pops up. Enter the correct system password (factory default password is 0000. Press * to delete. Press ↶ to return) and press # to enter to picture 1-4 system setting interface. There are network address setting, room number setting, time setting, system password modification.



picture 1-3



picture 1-4

Operation

1. Network address setting

In picture 1-4, press number 1 to choose the first option. Press number 1 again to confirm the selection. Picture 1-5 will show. Press ↑ or ↓ to move from upper to lower frame and fill

in the blanks. Press * to delete. Press # to confirm. Press ↶ to return.

picture 1-5

- **MAC address:** 01:01:00 (Address must be unique)
- **IP address:** 192.168.010.100 (Address must be unique)
- **Subnet Mask:** 255.255.000.000 (If require cross network communication, set the subnet mask as 255.255.000.000. For example, IP address 192.168.000.010 communicates with IP address 192.168.022.010)
- **Server address:** 192.168.000.006 (Set the server address according to the guard station IP address)

2. Equipment address setting

In picture 1-4, press number 2 to choose the second option. Press number 2 again to confirm the selection. Picture 1-6 will show. Press ↑ or ↓ to move from upper to lower frame and fill in the blanks. Press * to delete. Press # to confirm. Press ↶ to return.

picture 1-6

- **Building number:** 0001 (4-digit)
- **Unit number:** 01 (2-digit)
- **Floor number:** 01 (2-digit)
- **Room number:** 01 (2-digit)
- **Equipment number:** 0 (0 indicates main machine, 1-9 indicate the number of slave machines)

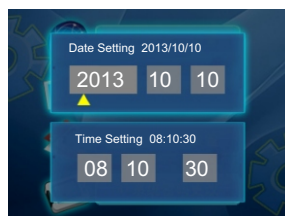
Notice

In the same network, the MAC address and IP address can not be the same in any equipment (including outdoor station, indoor monitor and slave indoor monitors). Please according to the actual situation to set the equipments.

3.Time setting

In picture 1-4, press number 3 to choose the second option. Press number 3 again to confirm the selection. Picture 1-7 will show.

Press ↓ or ↑ to move from upper to lower frame and fill in the blanks. Press * to delete. Press # to confirm. Press ↶ to return.



picture 1-7

4.System password modification

In picture 1-4, press number 4 to choose the second option. Press number 4 again to confirm the selection. Picture 1-8 will show.

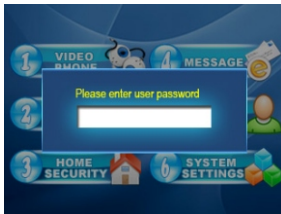
Enter the correct 4-digit password, then the cursor will move to the lower blank NEW PASSWORD. Enter the new 4-digit password and confirm it again. Press # to confirm and get confirm information: Password is changed successfully.



picture 1-8

User setting

In picture 1-2, press number 5 to choose the option. Press number 5 again to confirm the selection. Picture 1-9 will show. Enter the correct user password. (factory default user password is 1234). Press # to confirm and enter to the picture 1-10 user setting interface. There are 3 ringtones, no disturb, user password modification.



picture 1-9



picture 1-10

Operation

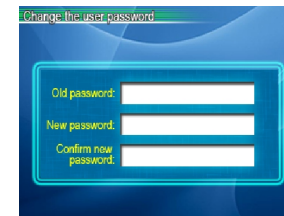
1. Ringtones selection

In picture 1-10, press the number of ringtone and enter the number again to confirm the selection. The chosen icon turns to orange and starts to ring. The selection is successful. If select No Disturb, the indoor monitor ringtone will be turned

off and the status icon will be shown in the upper right corner of the main interface. When the outdoor station calls the indoor monitor, the indoor monitor will not ring.

2. User password modification

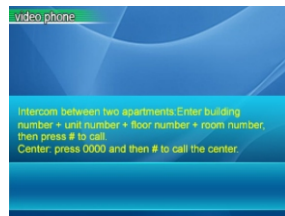
In picture 1-10, press number 5 to choose the option. Press number 5 again to confirm the selection. Picture 1-11 will show. Enter the correct 4-digit password, then the cursor will move to the lower blank NEW PASSWORD. Enter the new 4-digit password and confirm it again. Press # to confirm and get confirm information: Password is changed successfully.



picture 1-11

Intercom




In picture 1-2 the main menu interface, press number 1 to choose the option. Press number 1 again to confirm the selection. Picture 1-12 will show. User can call the guard station and other apartments, do the call transfer, intercom within household, and indoor monitor answers call.

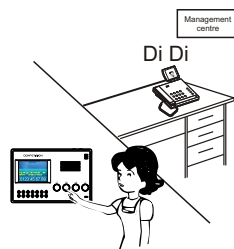


picture 1-12

Operation

1.Call the guard station

Press  (or enter 4-digit guard station equipment number in picture 1-12, such as 0000, and then press # to start the call) Press  or  to end the call.



2.Call the other apartment

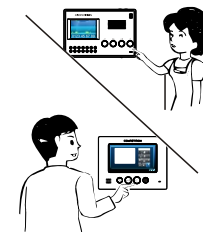
Users in the same network can call each other. In picture 1-12, enter the series number of the apartment: building number, unit number, floor number and room number. Then press # to start calling that apartment. For example, series number 0001 020303 indicates building 1, unit 2, floor 3 and room 3.

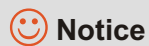
Notice

If the apartment is in the same building, the series number can be shorter: floor number + room number. For example, enter 1002 and press # to call the apartment (floor 10, room 2).

3.Intercom within the same apartment

In picture 1-3, enter 0 # to call all other indoor monitors in the same apartment. Enter 1 # to call the main indoor monitor. Maximum 10 indoor monitors in one apartment. Enter 2# to call the second indoor monitor and so on.






Notice




When user calls all the indoor monitors, all indoor monitors ring in the same time. When one of the indoor monitor picks up the call, the rest of the indoor monitors will hang up automatically.

4.Call transfer

When outdoor station calls the indoor monitors, if one indoor monitor picks up the phone and want to transfer this call to other indoor monitors, press  on the indoor monitor and the call starts to transfer to the rest of the indoor monitors. This function is for more than one indoor monitor in one apartment.



5.Call the indoor monitor

When indoor monitor is called by other equipments, indoor monitor will ring. Press  to pick up the call. Press  or  to end the call. (Notice: When the indoor monitor talk to the outdoor station or the guard station, the maximum talk time is 2 minutes. The system will hand up automatically after 2 minutes)

Monitor/unlock




In picture 1-2 the main menu interface, press number 2 to choose the option. Press number 2 again to confirm the selection. Picture 1-13 will show the view from outdoor station 1.

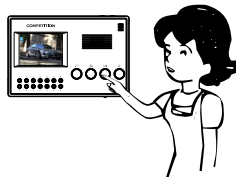


picture 1-13

Operation

1.Video and audio monitor


In picture 1-13, press 1,2,3,4 or  to monitor from outdoor station 1 - 4. In the monitor mode, press  to monitor the audio from the outdoor station. Press  to end the monitor.



Notice


- A. The maximum monitor time is 30 seconds. After 30 seconds, the indoor monitor will hang up automatically.
- B. If connect to simulated outdoor station, press number 0 to monitor the outdoor station.

2.Unlock

When wall outdoor station or unit outdoor station call the indoor monitor, indoor monitor will ring and display the view from outdoor station. No matter pick up the call or not, press  can open the lock.



Notice

In the monitor mode, press  to open the lock of the outdoor station.

Home security

In picture 1-2 the main menu interface, press number 3 to choose the option. Press number 3 again to confirm the selection. Picture 1-14 will show the home security. There are home, out, sleep, SOS modes.



picture1-14

Operation

› Defence zone:

there are 8 defence zones. The last 3 defence zones are 24 hours on, so they do not need to set. The default setting is smoke, gas and SOS. Defence zones 1-5 can be set according to the requirement: door magnet, window magnet, IR.

› Defence zone delay time: default is 60 seconds.

› Alarm delay time:

default is 60 seconds, as picture 1-14, user can change from 0, 15, 30 and 60 seconds. Confirm the number and icon changes to orange. The delay time is chosen successfully.

1.Set defence

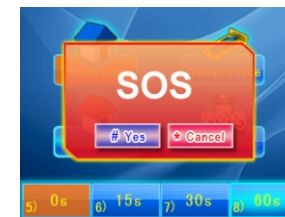
In picture 1-14, press the number in front of the mode, then press the number again to confirm the selection. The chosen icon turns to orange and show "defence delay". After the 60 seconds default delay time, the indoor monitor will show "set defence successfully".

2. Cancel defence

When the alarm of the defence zone is triggered, picture 1-15 alarm information will pop up. The icon turns to orange. The guard station and other alarm system will ring. Press ↶ to stop the indoor monitor ringing, and return to the main menu. Enter to picture 1-14 to choose the defence to cancel. Press the number of the icon to confirm the cancellation. Enter the user password in picture 1-9 and the icon will change to blue and show "ancel successful".



picture 1-15



picture 1-16

Notice

Home mode: defence zones 1-5 are cancelled.

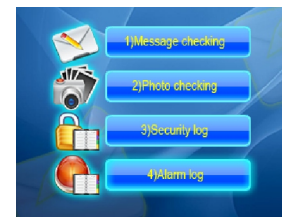
Out mode: defence zones 1-5 are set.

Sleep mode: defence zones 1 & 2 are set. defence zones 3-5 are cancelled.

SOS mode: immediate alarm (if choose this mode, picture 1-16 will pop up. Press #, system will start alarm and show picture 1-15).

Information check

In picture 1-2 the main menu interface, press number 4 to choose the option. Press number 4 again to confirm the selection. Picture 1-17 will show the information check. There are community information, visitor pictures, defence record, alarm record.



picture 1-17

Operation

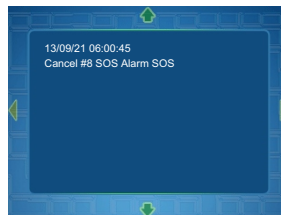
- › **Community information:**
information sent by the guard station to the indoor monitor.
- › **Visitor pictures:**
picture is captured automatically when outdoor station calls indoor monitor for 6 seconds.
- › **Defence record:**
details of the defence setting of the indoor monitor.
- › **Alarm record:** details of the alarm triggered.

1. Information check

In picture 1-17, choose the number of the icon and press the number again to confirm the selection. The screen will show picture 1-18 information list. Press **↑** or **↓** to turn the page. Press the number in front of each message and confirm, then the message text will display as picture 1-19. Press **↑** or **↓** to check last and next messages. Press **↶** to return.

NO.	Content	Date&time
1	Cancel #8 sos Alarm SOS	13/09/09 04:43:20
2	Cancel #8 sos Alarm SOS	13/09/08 06:43:20
3		
4		
5		
6		
7		
8		
9		

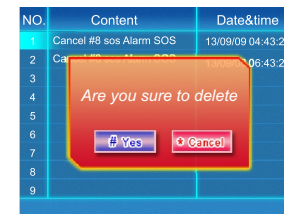
picture 1-18



picture 1-19

2.Information delete

In picture 1-18, choose the number of the icon to delete. Press ***** and picture 1-20 pops up. Enter **#** to delete the message. Delete all the information: press ***** and hold, until the screen shows "press # to confirm the deletion". Then press **#** to confirm the deletion of all the information.




picture 1-20



Notice

The storage is maximum 1000 text and 200 pictures. When the storage is full, once new information comes in the system will delete the oldest information automatically.

Call lift

Press  on the left of the indoor monitor to call the lift.

Ring

When the indoor monitor connects to the ring, once visitor calls, the indoor monitor will ring.

► SM328/812CH indoor monitor operation guide

System startup

Before turn on the power, make sure the indoor monitor is connected correctly. Then turn on the power switch on the side of the indoor monitor. Picture 2-1 is the startup screen. Startup requires 40 seconds. Main interface is as picture 2-2. The screen server will be activated if no operation in 30 seconds. After 3 minutes screen saver mode, the machine will activate the power saving mode.




picture 2-1



Notice

Screen emendation:

If the touch screen of the indoor monitor does not function well, please use the screen emendation process. Press  for over 3 seconds and the screen emendation process is on. Please follow the CROSS and press it. After the process is completed, the screen will return to the main menu interface.

Main menu interface

After the system starts successfully or it is in the standby mode, press any place of the touch screen, main menu interface will show. In picture 2-2, there are three parts: state, function and time.



picture 2-2

A.State:


it includes network connection, information, alarm and ringtone. When there is new information or network connection is completed, these icons will turn from gray to bright colour.

B.Function:

it includes video intercom, monitor, home security, information check, user setting, system setting. Press the icon to enter the interface.

C.Time: it shows the date and time.

System setting

In picture 2-2 main menu interface, press  system setting icon. Picture 2-3 system password will pop up. Enter the system password (factory default password is 0000) and press # to confirm. In the picture 2-4, there are network address setting, room address setting, system password setting, time setting.



picture 2-3

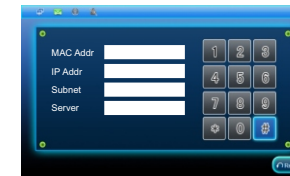


picture 2-4


Operation

1. IP address setting

In picture 2-4, click the icon for IP address setting. Enter picture 2-5 for MAC address, IP address, subnet mask, server address settings. If require modification of the setting, enter the number in



picture 2-5

the blank. Press * to delete. Press # to confirm. Press  to return.

› **MAC address:**

145236 (address must be unique IP address: 192.168.010.101 (address must be unique)

› **Subnet mask:**

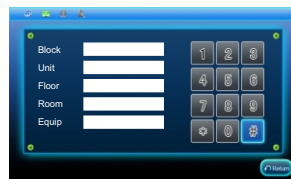
255.255.000.000 (If require cross network communication, the subnet mask should change to 255 255 000 000. For example, IP address 192 168 000 010 communicates with IP address 192.168.022.010, the subnet mask should be changed).

› **Server address:**


192 168 000 006 (Set this address according to the guard station IP address).

2. Room address setting

In picture 2-4, click room address icon. In picture 2-6, there are building number, unit number, floor number, room number and equipment number.



picture 2-6

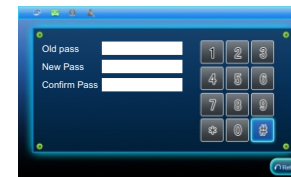
Click the option for modification. Press keypad to enter the information Press * to delete. Press # to confirm. Press  to return.

- Building number: 0001 (4-digit)
- Unit number: 01 (2-digit)
- Floor number: 01 (2-digit)
- Room number: 01 (2-digit)
- Equipment number: 0 (0 indicates main indoor monitor. 1-9 indicates 9 slave monitors)

3.System password setting


In picture 2-4, click system password setting icon to enter picture 2-7.

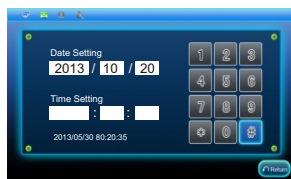
Enter the correct 4-digit password, and the cursor will move to the next blank. Enter new 4-digit password and confirm the new password. Press # to confirm all the setting. The system shows "password changes successfully".



picture 2-7


4. Time setting

In picture 2-4, press time setting icon and enter picture 2-8. Click the blank and enter the information by keypad. Press * to delete. Press # to confirm. Press  to return.



picture 2-8

User setting

In picture 2-2, click  user setting icon and picture 2-9 will pop up. Enter user password (factory default password is 1234). Press # to confirm. In picture 2-10, there are ringtone, no interruption and user password setting.



picture 2-9



picture 2-10

Operation

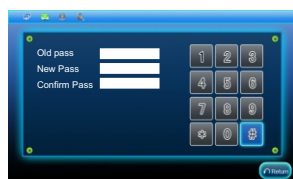
1. Ringtone selection

In picture 2-10, click the ringtone and its icon colour changes to orange and start the ring. The selection is completed. Select no interruption. The indoor monitor will be silent and its icon will turn to bright. During this time, if outdoor station calls indoor monitor, the indoor monitor will not ring.

2. User password setting


In picture 2-10, click user password setting icon and enter to picture 2-11.

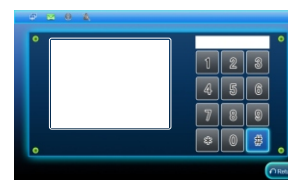
Enter 4-digit password (factory default password is 1234), and the cursor will move to the next blank. Enter new 4-digit password and confirm the new password. Press # to confirm all the information. The system will show "password changes successfully".



picture 2-11

Intercom




In picture 2-2 main menu interface, click  intercom and enter picture 2-12. User can call the guard station, intercom with other apartments, intercom within the same house, call transfer and call indoor monitor.

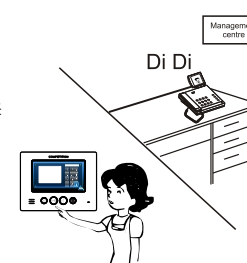


picture 2-12

Operation

1.Call guard station

Press  on the indoor monitor or enter 4-digit guard station equipment number (eg. 0000) + # in picture 2-12 to call the guard station. Press  or  to end the call.



2. Intercom with other apartments

In the same network, users can call each other with the indoor monitors.

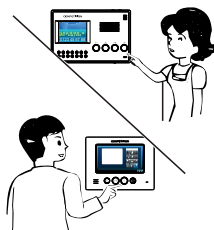
In picture 2-12, enter the building number, unit number, floor number and room number of the receiver's indoor monitor. Press # to confirm and start to call. For example, enter 0001020303 to call building 1, unit 2, floor 3 and room 3. Press # to confirm and start calling.

NOTICE

If both indoor monitors are in the same unit, enter floor number + room number + # to call directly. For example, enter 1002 to call floor 10, room 2. Press # to confirm and start calling.

3. Intercom within the same house


In picture 2-12, enter 0 # to call all other indoor monitor. Enter 1 # to call main indoor monitor. Enter 2 # to call slave indoor monitor, and so on. The maximum indoor monitor is 10 in one apartment.



Notice




When user calls all the indoor monitors, all indoor monitors ring in the same time. When one of the indoor monitor picks up the call, the rest of the indoor monitors will hang up automatically.

4. Call transfer


When there are more than one indoor monitor within the same apartment, if outdoor station calls, one of the indoor monitor picks up the call and decides to transfer the call to other indoor monitors, press the  to call the rest of the indoor monitors.

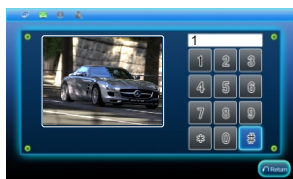


5. Call indoor monitor

When indoor monitor is called by other equipments, indoor monitor rings and pops up intercom picture. Press  to pick up the call. Press  or  to end the call. (Notice: The maximum talk time between indoor monitor and outdoor station/guard station is 2 minutes. After 2 minutes, the system will hang up the call automatically).

Monitor / unlock




In picture 2-2 main menu interface, click  to enter picture 2-13 monitor view of outdoor station 1.

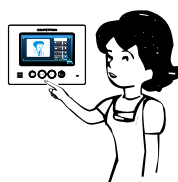


picture 2-13

Operation

1.Video and audio monitor


In picture 2-13, press number 1,2,3 &4 or  to monitor outdoor station 1 to 4. During the monitor mode, press  to monitor the audio of the outdoor station. Press  or * to end the monitor.

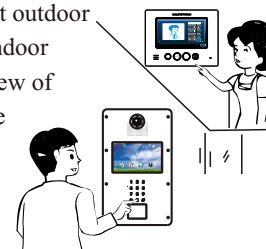


Notice:

- (1) The maximum monitor time is 30 seconds. After 30 seconds, indoor monitor will hang up automatically.
- (2) When simulated outdoor station is connected, press number 0 to monitor this outdoor station.

2.Unlock


When wall outdoor station or unit outdoor station call the indoor monitor, indoor monitor rings and displays the view of the outdoor station. No matter the indoor monitor picks up the call or not, press  to open the lock of the outdoor station.



Notice:

In the monitor mode, press  to open the lock of the outdoor station.

Home security

In picture 2-2 main menu interface, press  to enter picture 2-14 home security setting. There are home,out,sleep and SOS modes.



picture 2-14

Operation

› Defence zone:

there are 8 defence zones. The last 3 defence zones are 24 hours on, so they do not need to set. The default setting is smoke, gas and SOS. Defence zones 1-5 can be set according to the requirement: door magnet, window magnet, IR.

› Defence zone delay time: default is 60 seconds.


› Alarm delay time:

default is 60 seconds, as picture 2-14, user can change from 0, 15, 30 and 60 seconds. Confirm the number and icon changes to orange.

1.Set defence

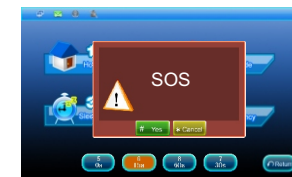
In picture 2-14, press the mode icon. The chosen icon turns to orange and show "defence delay". After the 60 seconds default delay time, the indoor monitor will show "set defence successfully".

2.Cancel defence

When the alarm of the defence zone is triggered, picture 2-15 alarm information will pop up. The icon turns to orange. The guard station and other alarm system will ring. Press  to stop the indoor monitor ringing, and return to the main menu. Enter to picture 2-14 to choose the defence to cancel. Press the icon to confirm the cancellation. Enter the user password. The icon will change to blue and show "cancel successful".



picture 2-15



picture 2-16

Notice


Home mode: defence zones 1-5 are cancelled.

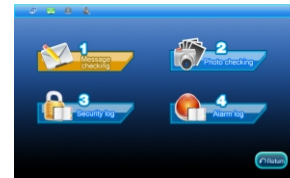
Out mode: defence zones 1-5 are set.

Sleep mode: defence zones 1 & 2 are set. defence zones 3-5 are cancelled.

SOS mode: immediate alarm (if choose this mode, picture 2-16 will pop up. Press #, system will start alarm and show picture 2-15).

Information check

In picture 2-2 the main menu interface, click  to enter Picture 1-17. There are community information, visitor pictures, defence record, alarm record.



picture 2-17

Operation

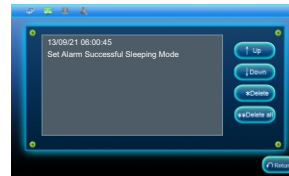
- > **Community information:**
information sent by the guard station to the indoor monitor.
- > **Visitor pictures:**
picture is captured automatically when outdoor station calls indoor monitor in 6 seconds.
- > **Defence record:**
details of the defence setting of the indoor monitor.
- > **Alarm record:**
details of the alarm triggered.

1. Information check

In picture 2-17, click the icon to enter the information list as picture 2-18. Press **↑UP 0** or **↓Down#** to turn the page. Double clicks the information title to read the message text as picture 2-19. Press **↑UP 0** or **↓Down#** to check last and next messages. Press **↩Return** to return.



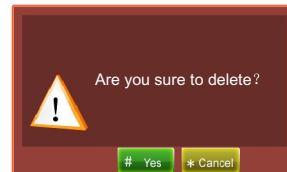
picture 2-18



picture 2-19

2.Information delete

In picture 2-18, click the information title and press ***Delete** delete. Picture 2-20 pops up. Click confirm and delete the message. Delete all the information; press ****Delete all**, and confirm the deletion of all the information.




picture 2-20

Notice

The storage is maximum 1000 text and 200 pictures. When the storage is full, once new information comes in the system will delete the oldest information automatically.

Call lift

Press  on the left of the indoor monitor to call the lift.

Ring

When the indoor monitor connects to the ring, once visitor calls, the indoor monitor will ring.

Notice

