

ST-3048W

4.3" touch screen intercom
Installation Instruction Manual



CATALOG

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Specifications:

Voltage: 12VDC POE

Rated Power: 4W

Standby power consumption: 1.5W

Display Screen: 4.3" capacitive touch screen

Resolution: 480x272

Operating Temperature: -10~+50

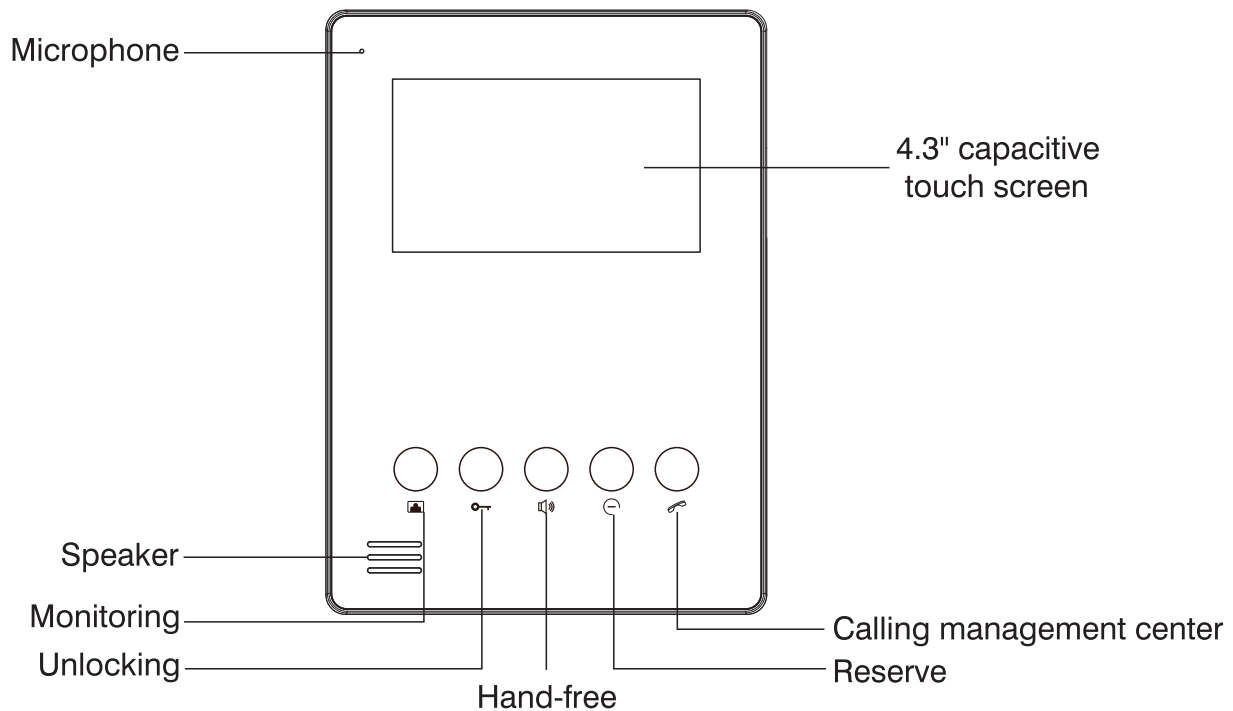
CPU: Single core 1GHz

Memory: 64MB

Flash: 128MB

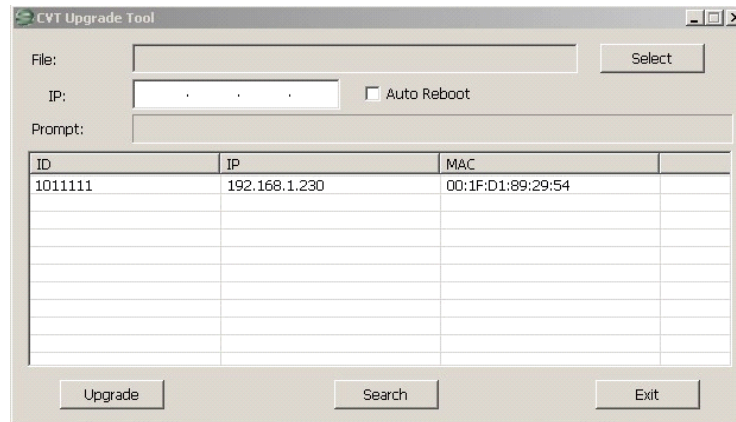
Product Features:

SIP based IP Intercom with room to room communication utilizing 1 Cat5 wire. Communication works with every Channel Vision front door IP intercom. This cost effective 4.3" screen features hands free communication and high quality full motion video of the visitor at the front door. Simple push button hard key allows you to release the door strike from any station without scrolling through the menu.



PRE-NETWORK SETTINGS

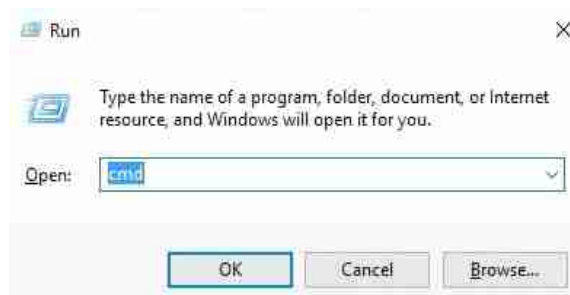
- Connect your IP room station to your switch or router via cat5e or cat6, then launch the **CVT Upgrade Tool** (This tool is on <http://channelvision.com/support/product-support/firmware-software/>). Click on the search button to find the IP address of your door station. 192.168.1.230 by default.



- Verify your computer's LAN settings from a command prompt. The easiest way to get to a command prompt on a Windows system is to press win+R on your keyboard. (Hold the windows key down and then press R).



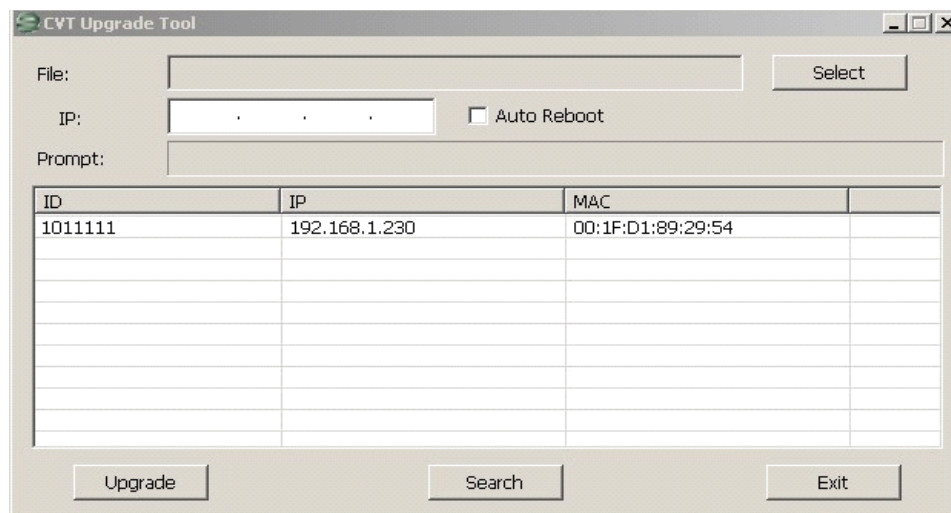
- After pressing the **win+R** key combination, you will type "cmd" and press OK to get to the command prompt.



- Once In the command prompt you will type “**ipconfig**” and press enter to find the IP information of your LAN (your IP address, Subnet mask, default Gateway).
- Make sure you write down your IP address, your network mask and your default gateway (router address) so you can reference them later.



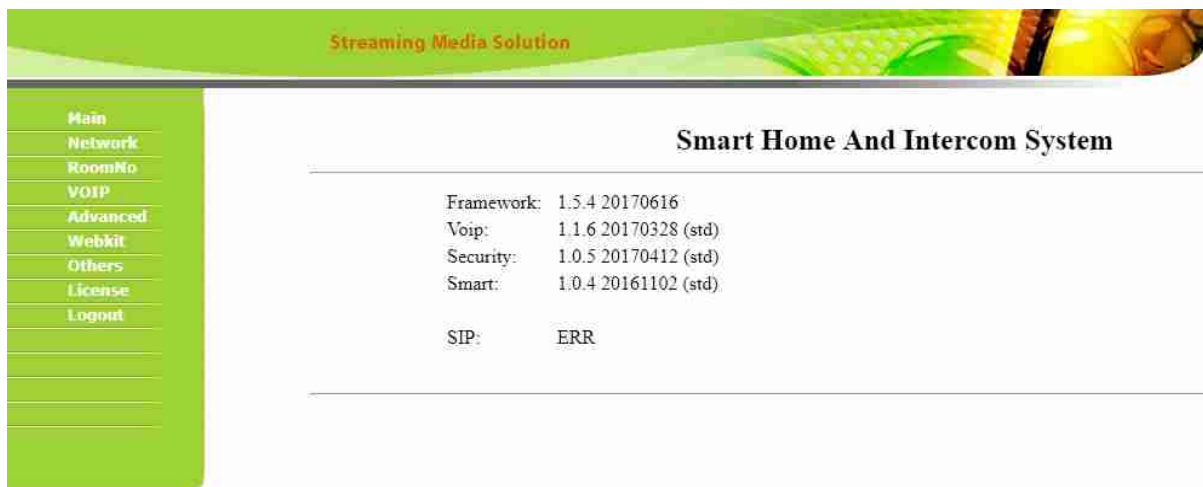
- Compare your IP address (pictured above) with the IP address of your room station (pictured below). If the first three octets (192.168.1.x) of your computer match the first three octets (192.168.1.x) of your room station you can proceed to step 4.
- If they don't match, you can refer to the “changing network settings” portion of this manual. Default IP address of the ST-3048 is 192.168.1.230, and for the ST-3048 is 192.168.1.220.



Note: Do not proceed to step 3 until you have verified your computer and room station are on the same network.

ACCESSING AND CONFIGURING THE USER INTERFACE

- Open a Web browser, type the IP address of your room station into the address bar at the top and press enter to access the user interface. For ST-3048 the default IP is 192.168.1.240.



- Enter your user name and password to access the user interface. The default user name is "admin" and default password is "123456"



NETWORK SETTINGS

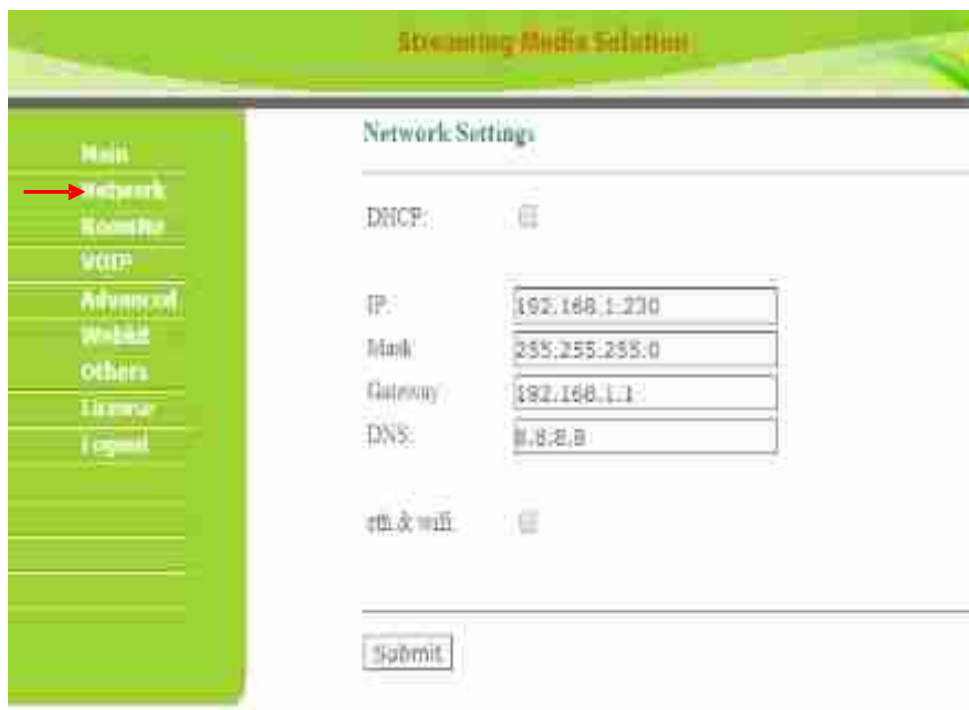
DHCP: leave the DHCP box unchecked, we want to leave the room station on a static address to access it later to make any necessary changes.

IP: enter an IP address for your room station to use in your network. (refer to pre-network settings info)

Mask: 255.255.255.0 The subnet mask of your network.

Gateway: 192.168.1.1 The IP address of your router.

DNS: 8.8.8.8 or enter the same DNS address that you are using on your local network (you can find the DNS address your network is using by typing "ipconfig /all" into a command).



The screenshot shows the 'Streaming Media Solution' web interface. On the left is a green sidebar with a menu containing: 'Main', 'Network' (highlighted with a red arrow), 'Monitor', 'VOD', 'Advanced', 'WebSite', 'Others', 'License', and 'Logout'. The main content area is titled 'Network Settings' and contains the following configuration fields:

DHCP:	☐
IP:	192.168.1.230
Mask:	255.255.255.0
Gateway:	192.168.1.1
DNS:	8.8.8.8
eth & wifi:	☐

At the bottom of the settings area is a 'Submit' button.

TOUCH SCREEN ROOM SETTINGS

Build: 1-99. (Must match SI-8000 device settings)

Unit: 1-99. (Must match SI-8000 device settings)

Floor: 2 digits, 11 is default: (Must match SI-8000 device settings)

Room: 2 digits. (If a particular configuration is needed, see sections 4.1 or 4.2.)

Device: Must start with 0-9 and not have 2 devices with the same number including mobile phones.

Sync: used to sync any additional room stations together to communicate with each other.

Server: when using management software for MDU's otherwise this will be the router address.

Password: The password used to login to a management server.

Must match

Streaming Media Solution

Main
Network
RoomNo
VOIP
Advanced
Webkit
License
Logout

Room No Settings

Build: 1
Unit: 1
Floor: 11
Room: 11
Device: 1
Sync: 929496
Server: 192.168.1.1
Password: 123456
Submit

Streaming Media Solution

Main
Network
RoomNo
VOIP
Advanced
Webkit
License
Logout

Device Settings

BuildNo: 1
UnitNo: 1
Floor: 11
RoomNo: 11
No: 1
Sys passwd: *****

For the multiple screens in the installation, we have 2 different options to intercommunicate with each screen.

VOIP SETTINGS:

First, the **SIP** box must be checked
to configure this part, as shown:

The screenshot shows a web interface titled "Streaming Media Solution". On the left is a green sidebar menu with items: Main, Network, RoomNo, VOIP (highlighted with a red arrow), Advanced, Webkit, Others, License, and Logout. The main content area is titled "SIP Settings". It contains the following fields:

- SIP enable:** A checkbox that is checked, circled in red.
- Proxy:** Text input field with "sip:sip.linphone.org".
- Realm:** Text input field with "sip.linphone.org".
- Outbound:** Text input field with "sip:sip.linphone.org".
- STUN IP:** Text input field with "sip.linphone.org".
- STUN Port:** Text input field with "5060".
- User:** Text input field with "Indoor01".
- Password:** Password input field with masked characters "*****".
- Timeout:** A dropdown menu showing "1800s".

At the bottom of the form is a "Submit" button.

Proxy: URL of your SIP server. For the mobile visualization of the Door Stations, we will use the Linphone app, is an open source SIP Server, so the parameters that fit in this part is: **sip:**

sip.linphone.org.

Realm: URL of the domain your SIP Authentication server is on. It will use **sip.linphone.org.**

Outbound: URL of your outbound proxy server. It will use **sip: sip.linphone.org.**

STUN IP: URL of the STUN Server. For this case, will use **sip.linphone.org.**

STUN Port: Port used to setup phone calls to a VOIP provider outside the local network. You should use **5060** as a default port.

User: Is the user name for your SIP account from the linphone.org website.

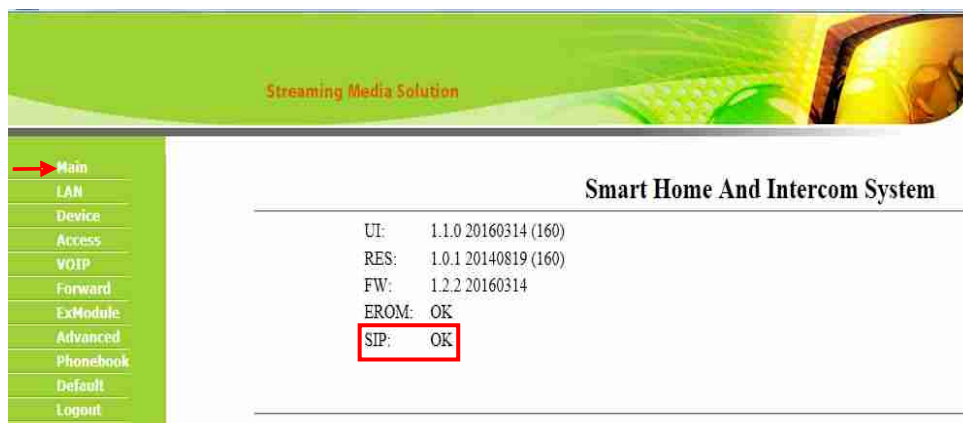
Password: Use the password for your SIP account from the linphone.org website.

NOTE: This is only for the room stations. All mobile phones and Touchscreen Room Stations must have their own Linphone account. Think of this as an individual phone number or extension.

Timeout: Amount of time in seconds the door station will attempt to make a call (120-1800s).

Select "**Submit**" button to confirm settings.

To confirm that the VOIP is set up correctly, in the “**MAIN**” section you will see the SIP Text is OK as shown:



ADVANCED SETTINGS

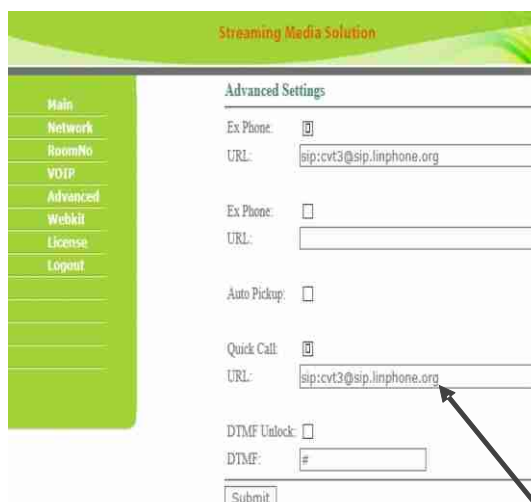
Ex Phone: Enter the URL of an SIP Account to forward when touchscreens room stations not answered.

Auto Pickup: Automatically answers an incoming call from another device.

Quick Call: Enter the URL of a device to be called when you press the “Center” button on the call screen (Figure 3-1).

DTMF Unlock: Check the box to activate (DTMF) Dual Tone Multi Frequency unlock (Unlock with a code typed into a keypad).

DTMF: Enter the code to be used to unlock the door from a keypad.



Quick Call

VOIP/Call Section



Website Settings

Advertising: Enter the URL of a web page you want to advertise on the screen saver and select the box above.

Browser: enter a web address that you want the BROWSER icon to navigate to.

Mall: enter a web address that you want the MALL icon to navigate to.

GOV: enter a web address that you want the GOV icon to navigate to.

Cook: enter a web address that you want the COOK icon to navigate to.

MAP: enter a web address that you want the MAP icon to navigate to.

Streaming Media Solution

Main
Network
Room/No
VOIP
Advanced
Webkit
Others
License
Logout

Webkit Settings

Advertising: ☐

Url:

Browser:

Mall:

GOV:

Cook:

MAP:

Submit

Operations



Main interface: Security, Smart, Intercom, Message and Setup.

Status bar: Network connection and security precautions.

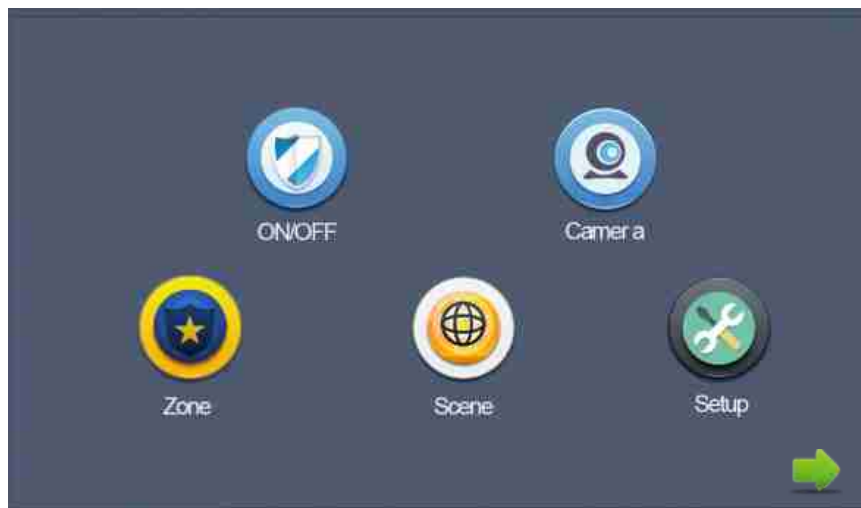
Shortcut key: Do Not Disturb, Message, Records.

Status bar instruction:

1. DND : Click  icon, the system will enter DND or undo DND. You can use Do Not Disturb service when you don't want to be disturbed by calls(The valid time is 8 hours).
2. Message : Click it to enter the Message interface.
3. Network connection : When the icon keeps lit, the indoor monitor is connected to the network.
4. Security precautions : The icon flashes during activation time and keeps lit after arming successfully.
5. SIP Registration Status : This icon keeps lit when SIP is registered.

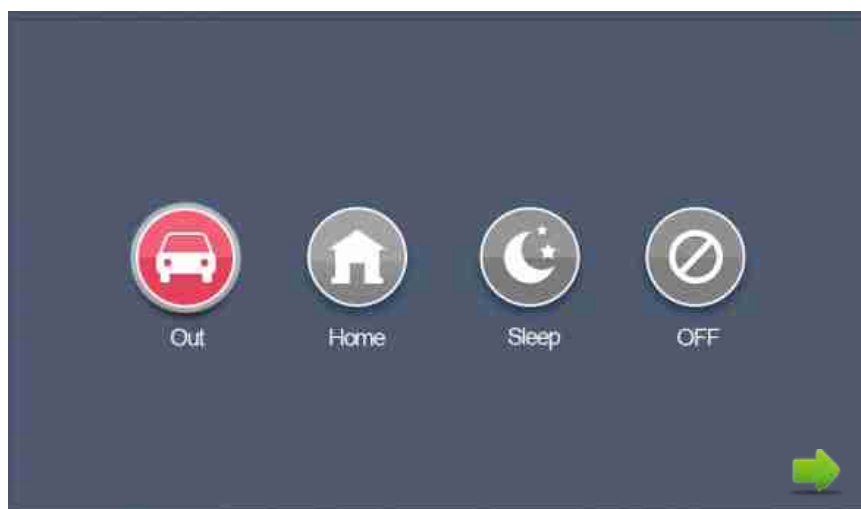
1.Security

Clicking “Security” icon on the main interface, the system will enter the following interface:



1.1 ON/OFF

Clicking “ON/OFF” icon, the system will enter the following interface:



1.1.1 ON

Click “Out” “Home”, or “Sleep” icon to activate the alarm sensors. The corresponding icon on the main interface will be lit up with a “Di-Di” tone and it will stay lit.

1.1.2 OFF

(1) During the delay time of arming, clicking “OFF” icon, the system will emit a beep. Then the alarm will be stopped.

(2) Input user password(the default password is 1234) to stop the alarm under alarm ON status.

1.2 Camera

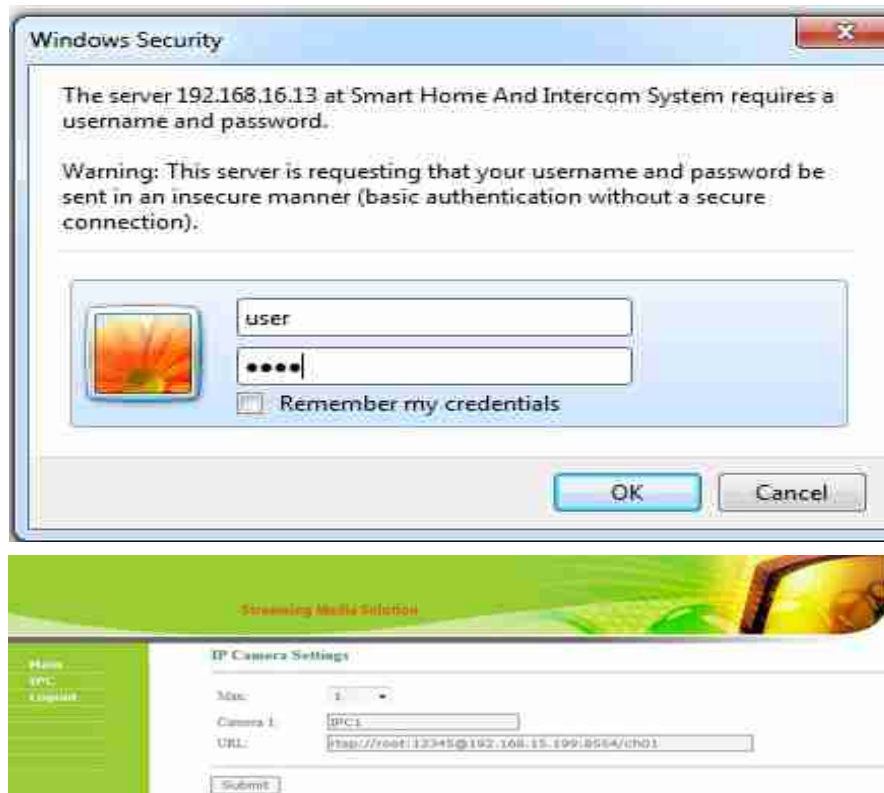
Clicking “Camera” icon, the system will enter into the following interface:



Click “left” or “right” button to select the camera you want, and then click  to monitor the IP camera. If you want to cancel monitoring, click  to stop it.

1.2.1 IP Camera Setting

Login the webpage of indoor monitor by username: user, password:1234, and then you can access below webpage:



Fill the RTSP format: rtsp:// user: password@ Camera IP. IP is the IP address of your IP Camera. Then you can monitor IP Camera in Security menu on your indoor monitor:



Clicking “Camera” icon, the system will enter into the following interface:



Click “Left” or “Right” button to select IP Camera to monitor, and then click  icon to monitor. Click  to stop monitoring.

1.3 Zone

Remark: It shall be set when the alarm is OFF.

Click “Zone” icon and input 1-16 digits password(the default password is 1234), the system will enter into the following interface:

NO.	Type	Mode	Delay	Sensor
1	24 Hour	3C	0s	Smoke
2	24 Hour	3C	0s	Smoke
3	24 Hour	3C	0s	Smoke
4	24 Hour	3C	0s	Smoke
5	24 Hour	3C	0s	Smoke
6	24 Hour	3C	0s	Smoke
7	24 Hour	3C	0s	Smoke
8	24 Hour	3C	0s	Smoke

OK 

1.3.1 Alarm Type

you can set alarm type as: Normal, Emergency or 24H. 24H and Emergency type are always active.

NO.	Type	Mode	Delay	Sensor
1	24 Hour	3C	0s	Smoke
2	24 Hour	3C	0s	Smoke
3	Normal Emerg. 24 Hour ✓			Smoke
4				Smoke
5				Smoke
6				Smoke
7	24 Hour	3C	0s	Smoke
8	24 Hour	3C	0s	Smoke

OK 

1.3.2 Mode

Clicking mode setting box, it will pop up a dialog box as the following interface. On this interface, you can set mode as: 3C, NO, NC or BELL.

NO.	Type	Mode	Delay	Sensor
1	24 Hour	3C	0s	Smoke
2	24 Hour	3C	0s	Smoke
3	3C ✓ NO NC BELL			Smoke
4				Smoke
5				Smoke
6				Smoke
7	24 Hour	3C	0s	Smoke
8	24 Hour	3C	0s	Smoke

OK 

1.3.3 Delay Time

It refers to the delay time of giving an alarm. Clicking the setting box of Delay, it will pop up a dialog as follows: 0s, 5s, 15s, 20s, 25s, 40s or 60s. Choose the desired delay time. For example if you select 5s as the delay time, the indoor monitor will sound alarms in 5 seconds after the alarm sensor is triggered.

NO.	Type	Mode	Delay	Sensor
1	24 Hour	3C	0s	Smoke
2	24 Hour	3C	0s	Smoke
3	24 Hour	3C	0s	Smoke
4	24 Hour	3C	0s	Smoke
5	24 Hour	3C	0s	Smoke
6	24 Hour	3C	0s	Smoke
7	24 Hour	3C	0s	Smoke
8	24 Hour	3C	0s	Smoke

OK

1.3.4 Sensor Type

Clicking input box of sensor type, it will pop up a dialog box as shown in the following interface. Each sensor type can be set up as: Smoke, Gas, PIR, Door, Window, Panic and Flood.

NO.	Type	Mode	Delay	Sensor
1	24 Hour	3C	0s	Smoke
2	24 Hour	3C	0s	Smoke
3	24 Hour	3C	0s	Smoke
4	24 Hour	3C	0s	Smoke
5	24 Hour	3C	0s	Smoke
6	24 Hour	3C	0s	Smoke
7	24 Hour	3C	0s	Smoke
8	24 Hour	3C	0s	Smoke

OK

When alarm sensor is triggered, the indoor monitor will make a loud alarm sound, and the system will enter into the following interface as well as send alarm message to management center (if management center is installed in your system):



You can see the No. and sensor type in red color showed at the top of interface. For example, “2: Smoke” indicates that smoke sensor in zone 2 is triggered.

To stop the alarm sound, input the password (the default password is 1234).

1.4 Scene

Clicking “Scene” icon, the system will enter into the following interface:

Activation time: 100s

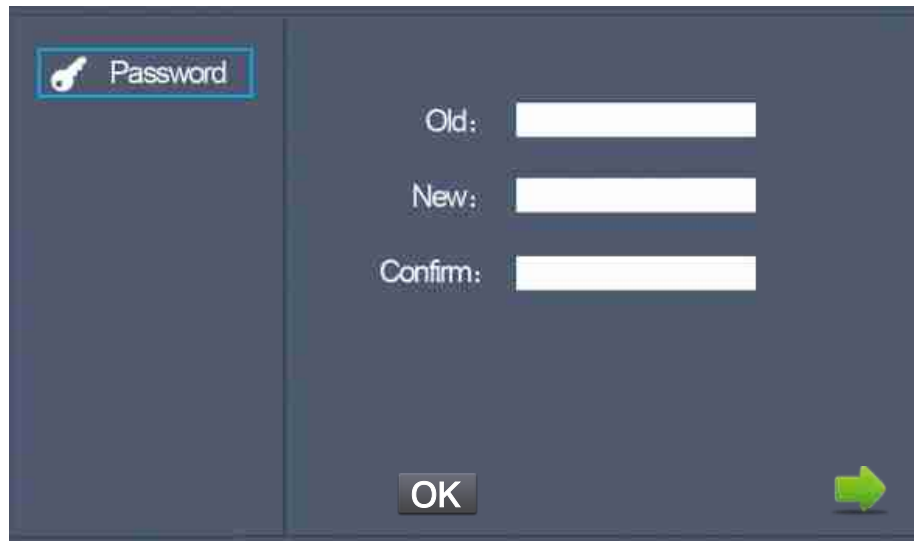
Mode	1	2	3	4	5	6	7	8
Out	☒	☒	☒	☒	☒	☒	☒	☒
Home	☒	☒	☐	☐	☐	☐	☐	☐
Sleep	☒	☒	☒	☒	☐	☐	☐	☐

OK 

☒ refers to Alarm ON, and ☐ refers to Alarm OFF. To set the sensor of alarm stations, you can click the corresponding station with ☒ icon. Click activation time to choose the corresponding time. The options of activation time include NONE, 30s, 40s, 60s, 100s and 300s.

1.5 Setup

Clicking “Setup” icon, the system will enter into the following interface:

The image shows a dark blue user interface for setting a password. On the left, there is a vertical sidebar with a key icon and the word "Password". The main area contains three white input fields labeled "Old:", "New:", and "Confirm:". Below these fields is a black button with the text "OK". In the bottom right corner, there is a green arrow pointing to the right.

You can set the new user password with 1-16 digits (the default password is 1234). User password is used for security.

2.Smart

Clicking “Smart” icon on the main interface, the system will enter into the following interface:



2.1 Scene

Clicking “Scene” icon, the system will enter into the following interface:



Scene mode includes: Home, Out , Dinner, Party and Sleep.

2.2 Light

Clicking “Light” icon, the system will enter into the following interface:



Set the light of corresponding room, such as Master, Sub, Living and Dining Rooms (see the room setting for details). 8 lights can be set in every room at most. Clicking the corresponding light icon, you can turn the light ON/OFF.

2.3 Air

Clicking “Air” icon, the system will enter into the following interface:



Set the air-condition switch of corresponding room. Click “OFF” icon to turn air-condition on/off; click “Cold” icon to cool; click “Wet” icon to dehumidify; click “Wind” icon to ventilate.

2 air-conditions can be set for every room at most.

2.4 Curtain

Clicking “Curtain” icon, the system will enter into the following interface:



By clicking “Close” icon, the curtain will be closed; by clicking “Open” icon, the curtain will be open; by clicking “Pause” icon, the curtain will be paused.

3.Intercom

Clicking “Intercom” icon on the main interface, the system will enter into the following interface:



3.1 Call Out

Clicking “Call Out” icon, the system will enter the following interface:



3.1.1 Call unit resident

Input 1-3 digit building No.+ “Building” + 2 digit Unit No. + “Unit” +4 digit room No., then click  icon to call.

The system will enter into the following interface:



When answering the call, the system will enter into call state:

Click  icon to communicate with outdoor panel A; click  icon to end the call; click  icon to unlock the door.

3.1.2 Call management center

Clicking “Center” icon to call management center, the system will call management center 1 to 5 sequentially. If the management center cannot be searched or the call failed, the system will call next management center. When the management center answers, the indoor monitor will ring and stop calling.

Click  icon to end the communication.

3.2 Monitor

Clicking “Monitor” icon, the system will enter the following interface:



Click “Door1” icon to switch outdoor panel and flat camera mode, then click  or  icon to select the area you want to monitor, and click  icon to monitor the outdoor panel or flat camera. Click  icon to stop monitoring. Click  icon to unlock the door.

Remark: The system’s default monitoring time is 25s.

3.3 Records

Clicking “Records” icon, the system will enter the following interface:

NO.	Number	Date	Length
 1	1010801	00-01-02 14:38:40	3s
 2	1029901	14-05-29 08:50:21	11s
 3	1029901	14-05-29 08:47:12	8s
 4	1029901	14-05-29 08:46:49	13s
 5	1019901	14-05-13 13:51:27	11s 
 6	1019901	00-01-01 09:27:37	35s 

 refers to call-out record;  refers to call-in record;  refers to missed call record. It can save up to 64 records.

Click  or  icon to search for records. Select one record and click  icon to call; click  icon to delete it.

If the snapshot is taken, click  icon to view it.

4. Message

Clicking “Message” icon, the system will enter into the following interface:

NO.	Content	Date
1	Announcements	16-10-10 14:44
2	Today's Top Headlines	16-10-13 18:14
3	News Service	16-10-17 15:54
4	Visual Reporting	16-10-19 11:44

Note: only by installing the management software on PC which is usually located at guard center, can indoor monitor receive the message sent by PC.

Click  icon to page up; click  icon to page down; click  icon to delete the record.

Message can receive up to 64 records.

5. Setup

Clicking “Setup” icon, the system will enter into the following interface:

System

- Normal
- Room
- Network
- Password
- Version

Volume: [slider]

Intercom: [slider]

Language: English

TimeZone: + 08:00

Auto answer: ☐

OK

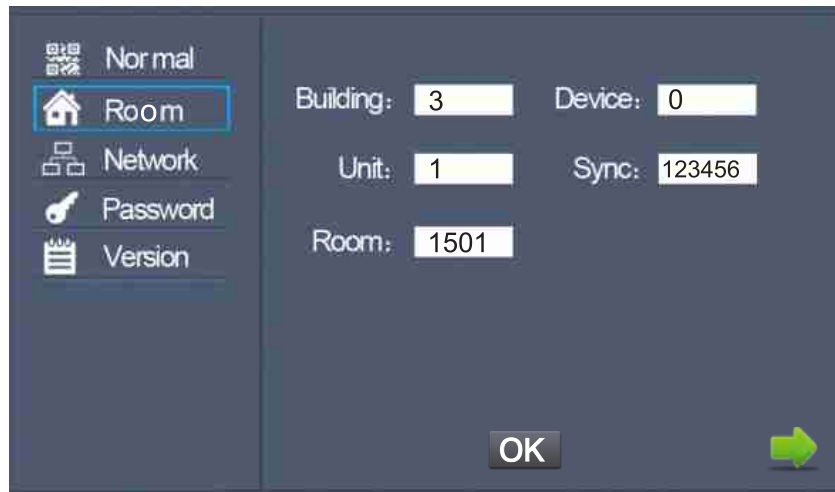
→

5.1 Normal

You can select the volume, intercom, language, time zone and auto answer that you want.

5.2 Room

Click “Room” icon, then input 1-16 digits password (the default password is 123456) to enter into the following interface:

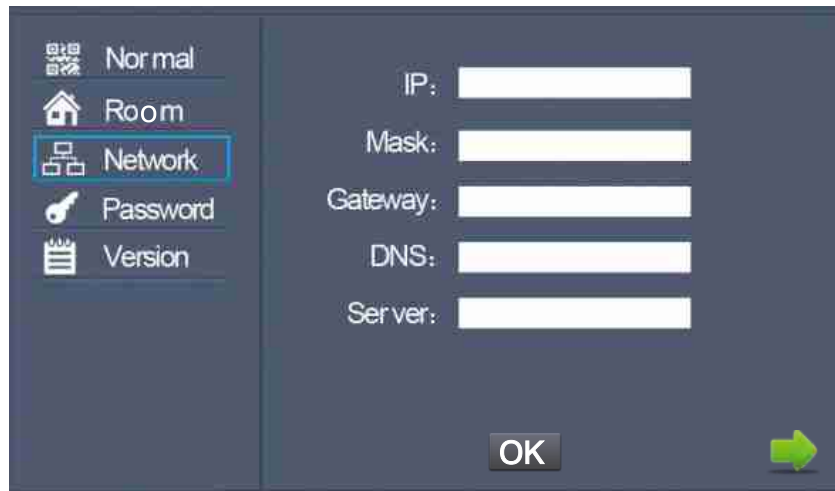


Normal	Building:	3	Device:	0
Room	Unit:	1	Sync:	123456
Network	Room:	1501		

OK

5.3 Network

Click “Network” icon, then input 1-16 digits password (the default password is 123456) to enter into the following interface:



Normal	IP:	
Room	Mask:	
Network	Gateway:	
Password	DNS:	
Version	Server:	

OK

IP: the system will automatically display IP address of the indoor monitor.

IP address is unique.

The default Mask address is 255.255.255.0. Normally, it is unnecessary to modify. If you would like to modify, a keypad will pop up when clicking the setting box twice. Enter your new Mask address.

The Gateway in one system must be in the same segment.

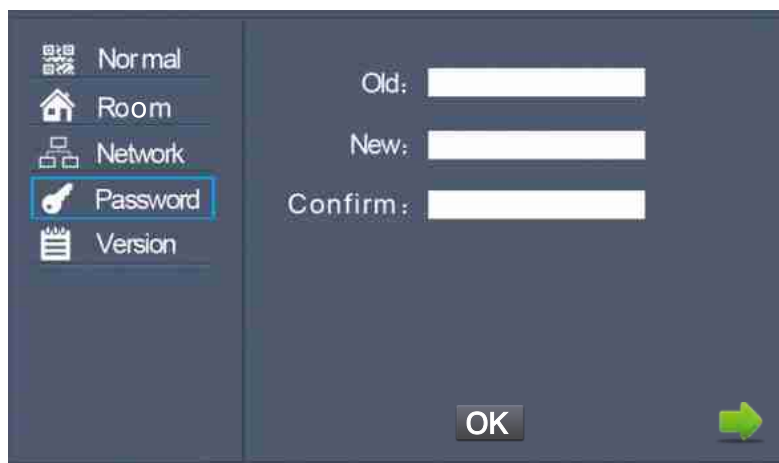
DNS: domain name resolution address (DNS of local operator). If indoor monitor is

be ignored.

Click “OK” to save the settings.

5.4 Password

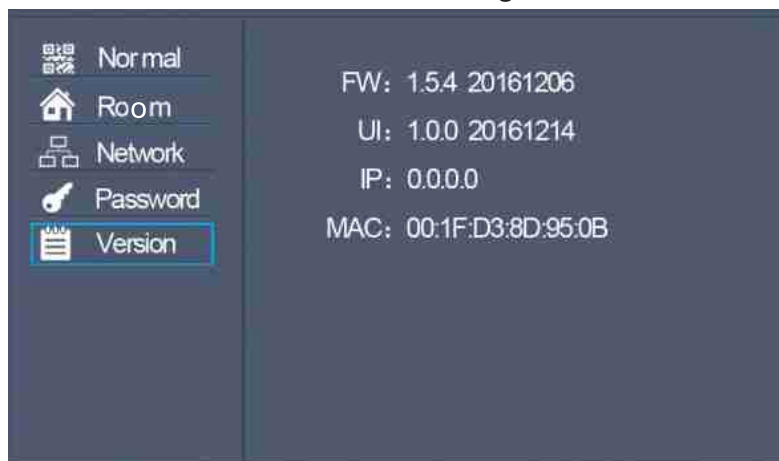
Click “Password” icon to enter into the following interface:



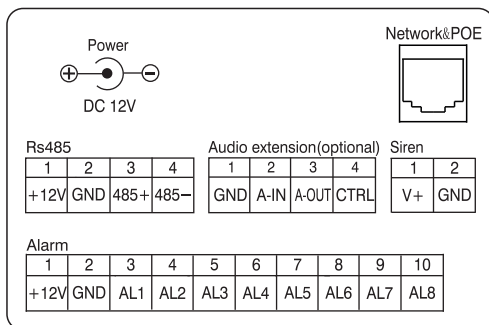
You can set the new system password with 1-16 digits (the default password is 123456). System password is used for system settings.

5.5 Version

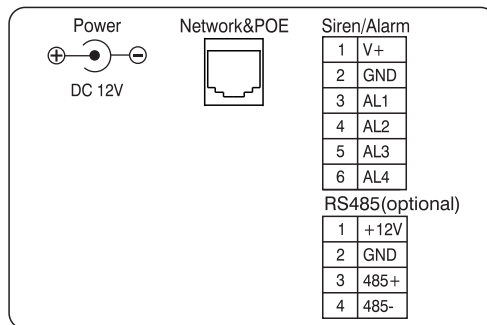
Click “Version” icon to enter into the following interface:



You can look over the relevant information.



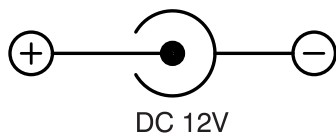
(S3/S4/S6/I6/S8/I8/S9/S0/S7)



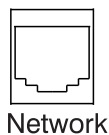
(I7/I7A)

1.Power

Power input interface, connect with 12V power adapter.



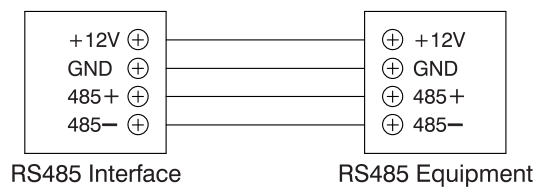
OR POE



2.RS485

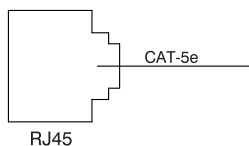
Connect with smart home and alarm external module, etc.

Offer a group of 12V/100mA power by RS485.



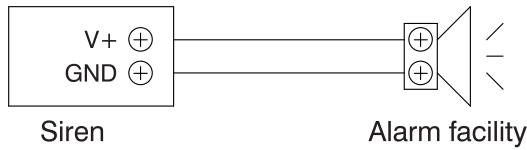
3.RJ45

Connect with outdoor panel, indoor monitor or other network equipment by network switch.



4.Siren

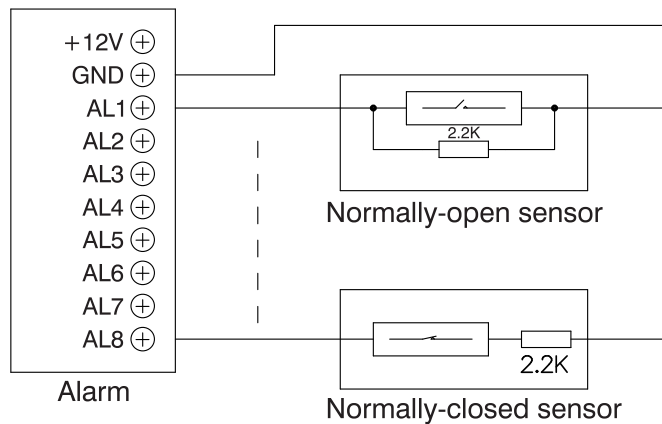
When alarm sensor is triggered, 12V/100mA power is output.



5.Alarm interface(S3/S4/S6/I6/S8/I8/S9)

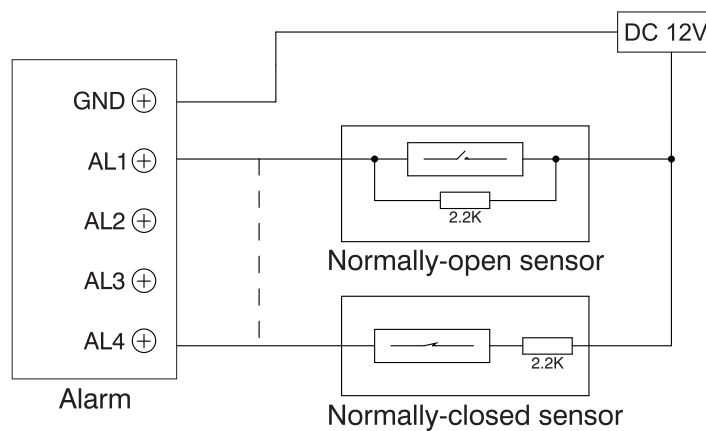
Each interface of 8 alarm zone with 3states can be connected with normally-open or normally-closed switch.

Offer a group of 12V/100mA power by alarm interface.



5.1 Alarm(I7/I7A)

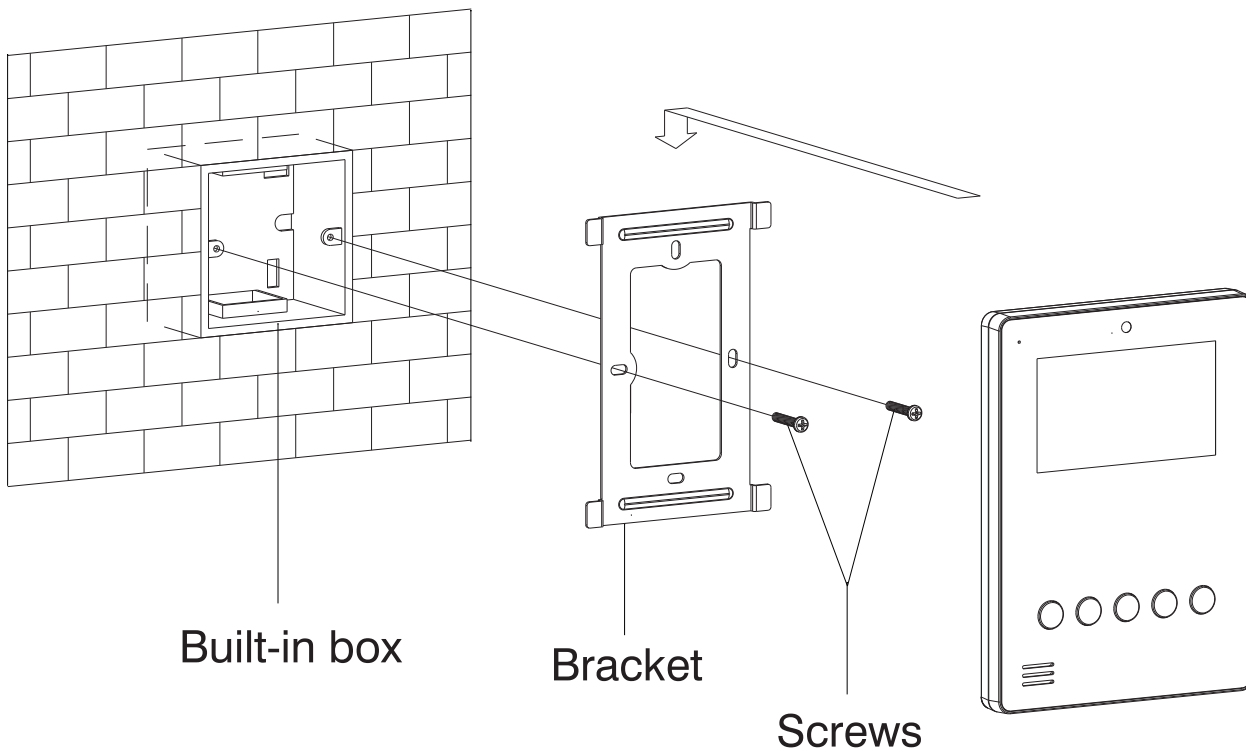
4 alarm zones alarm interface with 3 states, connect with normally-open or normally-closed switch.



Note: AL1 to AL4 are alarm zone interfaces.

External DC12V Power Supply is required for active Alarm Zones.

Mounting the intercom to a wall using a 2 gang box



1. Mount a 2 gang box
2. Run cat5 or cat6 network cable through bracket hole
3. Run 2 conductor power wire (if not using POE switch) through bracket hole
4. Secure top and bottom screws with drywall anchor if necessary
5. Slide touch screen from top down on the mount

The indoor monitor cannot start up or power off automatically.

- Check whether it has power-failure, and power it on again.
-

The indoor monitor display screen is too dim.

- Check whether the brightness and contrast settings of screen are correct.
-

No sound during communication with the monitor

- Check whether the indoor monitor is set as mute mode, or the volume is set to the lowest.
-

The indoor monitor cannot monitor the outdoor panel.

- Other user is using the system, so you can use it once he/she finished the operation.
-

Multimedia files cannot be played normally.

- Check whether the system supports the file format. Please refer to multimedia setting for details.
-

No response when clicking indoor monitor display screen.

- Press “Unlock” button for 5s, or slowly slide horizontally or vertically on the LCD to make touchscreen calibration. It needs to be calibrated twice.
-

Touchscreen responses slowly or cannot make calibration.

- Take down any protective paster, since it may affect identification and input for device;
 - Ensure the finger is dry and clean when clicking touchscreen;
 - Restart the device to clear any temporary software error.
-

In order to protect you and others from harm or your device from damage, please read the following information before using the device.

Do not install the device in the following places:

- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container.
- Do not place the device in the sunshine or near the heat source. This might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

Guard against electric shock, fire and explosion

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hands or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hands.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

Clean Device Surface

- Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause flopover or damage to the device.
- Please be careful when standing up from under the device.
- Do not disassemble, repair or modify the device at your own discretion. The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.



Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for one year from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, acts of God, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser when purchased through an authorized reseller. A purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling (714) 424-6500. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.

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