



## i1X Series User's Guide

---

## Copyright

Copyright © 2020 Flyingvoice Network Technology CO., LTD.

Copyright © 2020 Flyingvoice Network Technology CO., LTD. All rights reserved. No parts of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, photocopying, recording, or otherwise, for any purpose, without the express written permission of Flyingvoice Network Technology CO., LTD. Under the law, reproducing includes translating into another language or format.

When this publication is made available on media, Flyingvoice Network Technology CO., LTD. gives its consent to downloading and printing copies of the content provided in this file only for private use but not for redistribution. No parts of this publication may be subject to alteration, modification or commercial use. Flyingvoice Network Technology CO., LTD. will not be liable for any damages arising from use of an illegally modified or altered publication.

## Trademark

Flyingvoice®, the logo and the name and marks are trademark of Flyingvoice Network Technology CO., LTD, which are registered legally in China, the United States, EU (European Union) and other countries.

All other trademarks belong to their respective owners. Without Flyingvoice's express written permission, the recipient shall not reproduce or transmit any portion thereof in any form or by any means, with any purpose other than personal use.

## Warranty

### 1. Warranty

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS GUIDE ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS GUIDE ARE BELIEVED TO BE ACCURATE AND PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF PRODUCTS.

### 2. Disclaimer

FLYINGVOICE NETWORK TECHNOLOGY CO., LTD. MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS GUIDE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

PARTICULAR PURPOSE. FLYINGVOICE Network Technology CO., LTD. shall not be liable for errors contained herein nor for incidental or consequential damages in connection with the furnishing, performance, or use of this guide.

### 3. Limitation of Liability

Flyingvoice and/or its respective suppliers are not responsible for the suitability of the information contained in this document for any reason. The information is provided "as is",

---

and Flyingvoice does not provide any warranty and is subject to change without notice. All risks other than risks caused by use of the information are borne by the recipient. In no event, even if Flyingvoice has been suggested the occurrence of damages that are direct, consequential, incidental, special, punitive or whatsoever (Including but not limited to loss of business profit, business interruption or loss of business information), shall not be liable for these damages.

## **End User License Agreement**

This End User License Agreement ("EULA") is a legal agreement between you and Flyingvoice. By installing, copying or otherwise using the Products, you: (1) agree to be bounded by the terms of this EULA, (2) you are the owner or an authorized user of the device, and (3) you represent and warrant that you have the right, authority and capacity to enter into this agreement and to abide by all its terms and conditions, just as if you had signed it. The EULA for this product is available on the Flyingvoice Support page for the product.

## **Patent Information**

China, the United States, EU (European Union) and other countries are protecting one or more patents of accompanying products and/or patents being applied by Flyingvoice.

## **Technical Support**

Visit [www.flyingvoice.com](http://www.flyingvoice.com) for product documents and FAQ, or contact Flyingvoice by email at [support@flyingvoice.com](mailto:support@flyingvoice.com). We'll get you the help you need.

## **Declaration of Conformity**

### **Part 15 FCC Rules**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following three conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation.
- The distance between user and products should be no less than 20cm

Note: This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 
- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **CE**

Manufacturer: Flyingvoice Network Technology Co., Ltd.

Address: 1801-1802, Building 1, Chongwen Park, Nanshan Zhiyuan, Nanshan District, Shenzhen, China

Hereby, Flyingvoice Network Technology Co., Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

A copy of the declaration of conformity can be obtained with this user guide; this product is not restricted in the EU.

The wireless operation frequency

WiFi: 2412MHz-2472MHz, Max EIRP Power 18.16 dBm

### **Safety warning and Attentions**

If use adapter, adapter must be comply 2014/30/EU Directive.

Adapter Caution: Adapter shall be installed near the equipment and shall be easily accessible.

Do not store or use your product in temperatures higher than 50°C.

### **RF Exposure Statement**

The distance between user and products should be no less than 20cm.

---

## GNU GPL INFORMATION

Flyingvoice phone firmware contains third-party software under the GNU General Public License (GPL). Flyingvoice uses software under the specific terms of the GPL. Please refer to the GPL for the exact terms and conditions of the license.

The original GPL license, source code of components licensed under GPL and used in Flyingvoice products can be downloaded online:

[https://www.flyingvoice.com/soft\\_GPL.aspx](https://www.flyingvoice.com/soft_GPL.aspx)

## Risk Warning Statement

This risk warning statement contains a summary of external network servers that FVUI will access under its factory settings in order to obtain necessary service support. If you want to prohibit these accesses based on security considerations, you can disable them through the WEB management page.

Number	Server Domain Name	Description	Factory Setting
1	https://prv3.flyingvoice.net:442	Flyingvoice Provision web management configuration server	Enable
2	prv3.flyingvoice.net:3450	Flyingvoice Provision web management stun server	Enable
3	https://prv4.flyingvoice.net	Flyingvoice Provision web management backup server	Enable
4	log3.flyingvoice.net:9005	Flyingvoice Provision web management log server	Disable
5	http://acs3.flyingvoice.net:8080	Flyingvoice TR069 web management server	Disable
6	acs3.flyingvoice.net:3478	Flyingvoice TR069 web management server	Disable
7	pool.ntp.org/cn.pool.ntp.org	NTP server	Enable
8	https://rps.flyingvoice.net	Flyingvoice Provision redirect server	Enable

## Table of Contents

Chapter 1 Forewords .....	1
Chapter 2 Overviews.....	2
2.1 Appearance Introductions.....	2
2.2 Interface Introductions.....	4
2.3 Package Contents .....	5
2.4 Documents .....	5
Chapter 3 Getting Started with Users.....	6
3.1 Device Installations .....	6
3.1.1 Wiring.....	6
3.1.2 i1X Wall-Mounted Installation.....	7
3.1.3 Device Boot .....	8
3.2 Quick Settings.....	8
3.2.1 Get Device IP.....	8
3.2.2 Web Page Management.....	8
3.2.3 Account Registration.....	9
Chapter 4 Basic Functions .....	11
4.1 Make a Call.....	11
4.1.1 Number Speed Dialing.....	11
4.1.2 IP Direct Dialing.....	11
4.2 Answer a Call.....	12
4.3 Hang Up the Phone .....	12
4.4 Auto Answer .....	12
4.5 Function Keys Setting.....	12
Chapter 5 Advanced Functions.....	14
5.1 Multicast Broadcast .....	14
5.2 Input Port Setting .....	15
5.3 Output Port Setting .....	16
5.4 DTMF .....	18
Chapter 6 Bulk Deployment .....	20
6.1 FDC .....	20
6.1.1 Bulk Upgrade .....	20
6.1.2 Export Profile .....	21
Chapter 7 Web Page Configuration.....	23
7.1 Device Status.....	23
7.2 Restore Factory Settings.....	23
7.3 Firmware Updates .....	24

# Chapter 1 Forewords

Flyingvoice i1X is a SIP audio intercom terminal. The whole body of i1X is made of high-strength aluminum alloy, meets IP65 protection level and IK10 vandalism level, effectively preventing damage caused by floating dust, spraying water and hard impact; and the device supports PoE power supply, -40 ~ 75 °C ultra-wide temperature working environment for indoor and outdoor scenarios of various climates. i1X series also has built-in high-definition speakers and dual-MIC-array pickup, The red eye-catching speed dial keys support one-key intercom, notification broadcasting and other functions, providing high-quality voice intercom services.

This guide is designed to help you be familiar with the functions of the i1X intercom quickly.

Firstly, please confirm with your system administrator that the network deployment related to the i1X intercom has been completed.

Secondly, you can find the Quick Start Guide in the box and read it carefully before installing and using the i1X intercom. Some of the functions described in this article need to be configured by the administrator or are limited to your i1X intercom environment previously, so please be aware that some functions may be disabled or the description is not completely consistent with the implementation operation.

The examples or pictures in this guide are for reference only.

## **Instruction**

This user's Guide contains the following information about FlyingVoice products:

- i1X Series

## Chapter 2 Overviews

Before using the intercom, we recommend you to familiarize with the appearance and interface of the i1X intercom. Except for the special instructions in the guide, the other way around is similar to a normal phone. This chapter gives an overview of the i1X intercom, including the following:

- [Appearance Introductions](#)
- [Interface Introductions](#)
- [Package Contents](#)
- [Documents](#)

For further information and support, please contact your system administrator.

### 2.1 Appearance Introductions

The main hardware components of the i1X (including i11 and i12, here use i11 only for demonstration) are as follows:

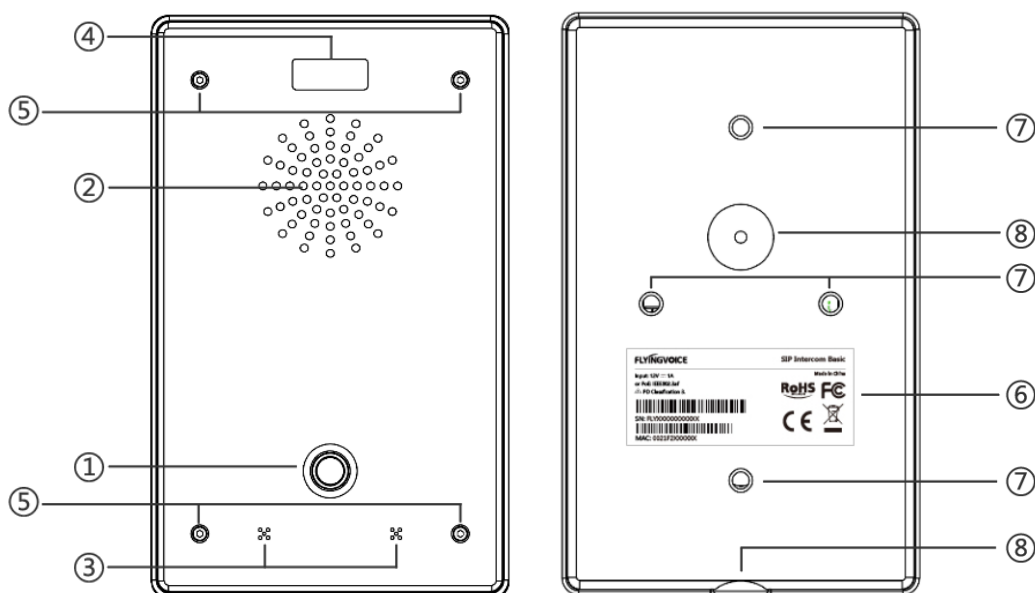


Figure 2-1 (Front Panel and Back Case)



The main hardware components of the i1X intercom are described as follows:

Number	Name	Description
1	<b>Middle Key/ Left Key or Right Key (i12)</b>	Button Customization: Speed Dial One Key Intercom, Phone Off, Hang Up, Multicast, Open the Door and Other URL trigger advanced features
2	<b>Speaker</b>	Intercom Speaker
3	<b>Microphone</b>	Dual MIC Array
4	<b>LOGO Groove</b>	Customizable aluminum LOGO plate to be embedded
5	<b>Screw Holes</b>	Screw holes for front panel
6	<b>Fuselage Sticker</b>	SSID: Wi-Fi Name SN: Serial Number of Product MAC: MAC Address
7	<b>Screw Holes</b>	Wall screw holes for bottom case
8	<b>Hole for Cable Alignment</b>	You can pass network cables, power cables or other external wiring through this hole.
9*	<b>Reset Button</b> (The Cover Need to be Removed)	1. Restore Factory Setting 2. Open Wi-Fi

## 2.2 Interface Introductions

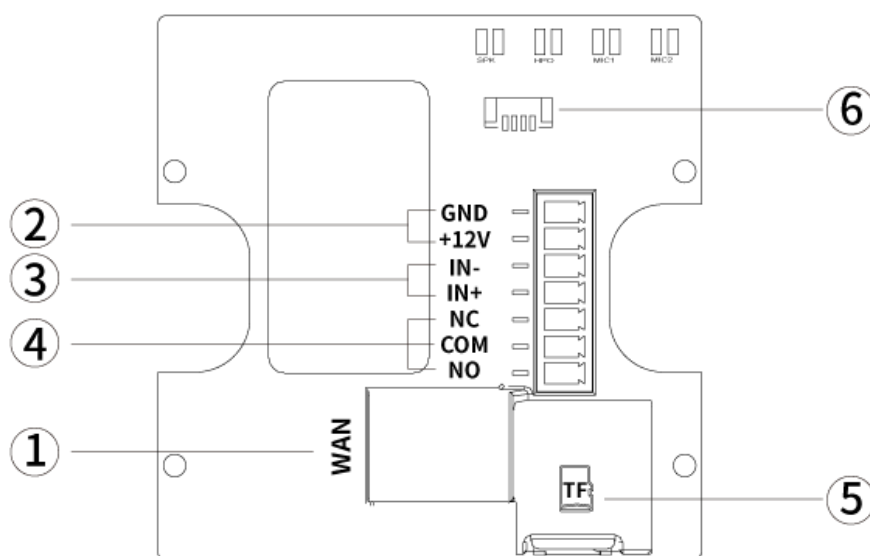


Figure 2-2 (Interface schematic, need to remove the cover, subject to the actual)

The interface on the back of the i1X intercom is described as follows:

1	<b>WAN Interface</b>	10/100M Network Interface Support PoE to input
2	<b>Power Interface</b>	12V/1A (Input/Output)
3	<b>Short Circuit Input Interface</b>	Used to connect switches, infrared probes, vibration sensors and other input device Input+: Input Positive Pole Input-: Input Negative Pole Rated voltage of input interface 12V
4	<b>Short Circuit Output Interface</b>	Used to control electric locks, alarms, etc NC: Connected in idle state (normally closed) COM: Contact of relay (Common) NO: Disconnected in idle state (normally open) Default NC/COM connection, rated voltage: 12V, maximum voltage: DC30V/1A, AC125V/0.3A
5	<b>TF Card Interface</b>	TF memory card can be inserted

<b>6</b>	<b>Camera Interface</b>	For accessing the camera module
----------	-------------------------	---------------------------------

## 2.3 Package Contents

Serial Number	Name	Quantity
01	i11/i12	1
02	Connector	1
03	Small Screwdriver	1
04	Hexagonal Wrench	1
05	Screws	4
06	Expansion Tube	4
07	Quick Installation Guide	1
08	Installation Size Drawing	1

## 2.4 Documents

The user's documents available for the i1X series are:

Name	Content	Position	Language
Quick Installation Guide	Installation steps and basic configuration of i1X series	Package	Chinese or English
		Flyingvoice Official Website	Chinese or English
User's Guide	Intercom introductions, basic functions and advanced functions and configuration	Flyingvoice Official Website	Chinese or English

# Chapter 3 Getting Started with Users

This chapter describes how to get started with the i1X, including the following:

- [Device Installations](#)
- [Quick Settings](#)

For further information and support, please contact your system administrator.

## 3.1 Device Installations

### 3.1.1 Wiring

1. If PoE power supply is needed, plug the network cable into the WAN interface.
2. If powered by 12V DC, connect the power cord and the connector and plug in the device.
3. To use the access control function, please refer to the following picture:

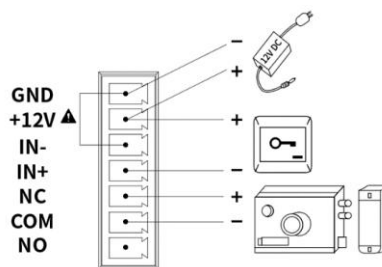


Figure 3-1

4. By default, NC-COM is in the closed circuit state and NO-COM is in the open circuit state at the output interface. If you need to use an input interface, you can connect the device to the output interface according to your specific needs. The following is an example of door lock device wiring:

(1) Power on **normally closed** door lock: refer to **Figure 3-1** and connect the door lock to **NC and COM**.

(2) Power on **normally open** door lock: connect the door lock to the **NO-COM** interface.

5. To use the input interface, there are two wiring methods, which are selected according to your device conditions, as follows:

(1) For **passive device** (without power supply device), refer to **Figure 3-1** and connect the switch.

(2) For **active device** (with its own power supply device), refer to **Figure 3-2** and connect the switch.

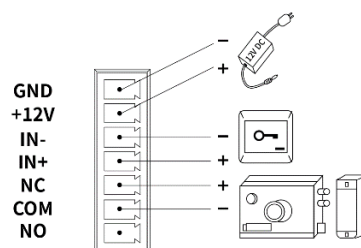


Figure 3-2

6. After wiring, follow the installation steps in the next section.

### 3.1.2 Wall-Mounted Installation

Installation Process:

1. Use the hexagonal wrench included with the product to remove the screws of the front panel and separate the front panel from the bottom shell.
2. Drill the installation holes on the wall according to the installation size drawing included with the product.
3. Use the expansion tubes and screws included with the product to fix the bottom shell on the wall, if the wall has been reserved for the network cable hole, the network cable should be put through the reserved hole on the back of the bottom shell in this step.
4. Install the front panel to the bottom shell and tighten the fixing screws of front panel.

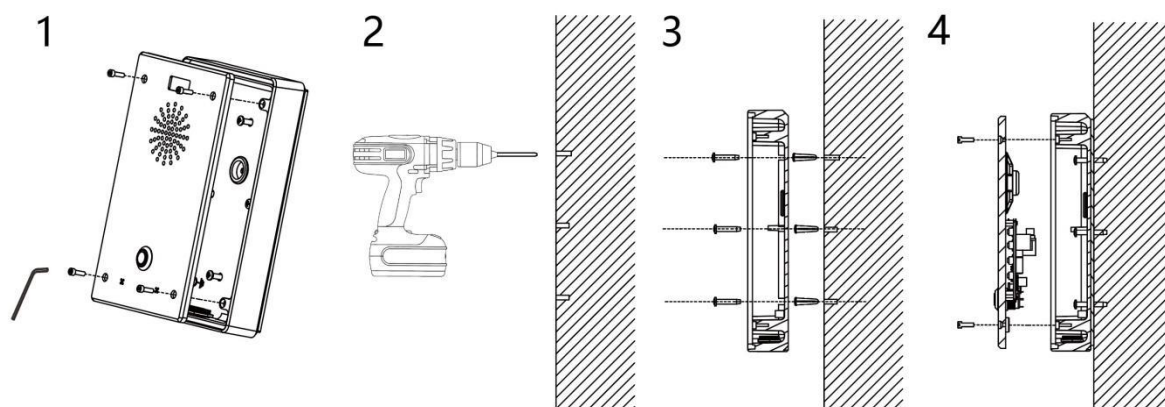


Figure 3-3 (Installation demonstration)

### 3.1.3 Device Boot

After the device is connected and powered on, it should wait for the device to start normally. The device starts successfully when the welcome tone is heard.

## 3.2 Quick Settings

### 3.2.1 Get Device IP

#### Broadcast IP Mode

1. Before setting, please confirm whether your device is connected to the network cable, and ensure that the network cable connected to your device can be connected to the network, and finally complete the connection of network hardware.
2. By default, the device will automatically obtain your IP address. You can press and hold the dial key of the device for 5s, then the i1X will play the IP address of the device by voice. After that, you can check whether you have received the IP address assignment.

The factory default network mode of IPv4 address mode is the dynamic DHCP mode.

### 3.2.2 Web Page Management

#### Method 1: PC accesses the device management page

When the device and your computer are successfully connected to the network, enter the IP address of the device WAN interface in the browser `http://xxx.xxx.xxx.xxx/`, enter the account password, and then jump to the web page for configuration.

To use it as an access control device, please timely modify the device user name/password after successful login.

1. Open a web browser on your computer.
2. Enter the IP address of the phone (IPv4 address: 192.168.1.100, for example) in the address bar of the browser, and press Enter.
3. Enter the user name and password in the login interface (the default administrator user name/password is **admin/admin**).
4. Click Login.

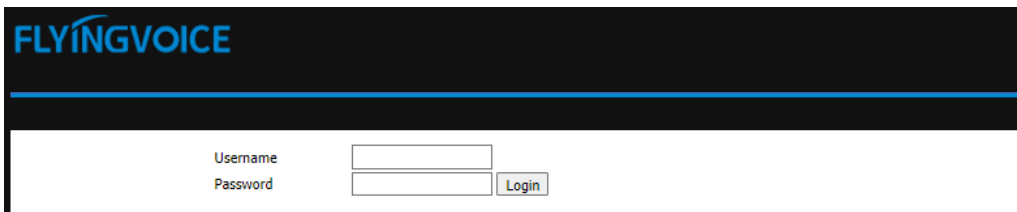


Figure 3-4 (Web login interface)

### Method 2: Wi-Fi Configuration of i1X

1. You can briefly press the Reset button of the i1X, and the i1X will broadcast a prompt that Wi-Fi is on. At this time, the i1X Wi-Fi can scan through other devices.
2. You can connect the Wi-Fi of the i1X through your mobile phone or PC. After connecting, you can open the cover of the i1X to view the Wi-Fi SSID (i.e. Wi-Fi name), such as the intercom\_2E5229.
3. After successfully connecting to the Wi-Fi of the i1X, you can use your mobile phone or PC browser to access 192.168.15.1, and then you can access the device management interface.
4. Enter the user's name and password in the login interface (the default administrator user's name/password is admin/admin).
5. Click **Login**.

### 3.2.3 Account Registration

The i1X device needs to complete the account configuration correctly to use the inbound and outbound functions. Users can configure lines in the background of the device's web page configuration.

**Find the VoIP ->account on the webpage to configure the account.**

1. **Line enable ->enable.**
2. Enter the corresponding information in the display name, registered name, user name, password, SIP server and interface number respectively. You can consult your administrator to obtain the registration information.
3. After the configuration is completed, click **Save & Apply** below to view the registration status.

Flyingvoice  
Firmware Version V0.0.17  
Current Time 2022-11-14 16:40:40  
Admin Mode [Logout] [Reboot]

Status Network Wireless **SIP Account** Phone Administration

Line 1 Line 2 SIP Settings VoIP QoS Ring

**Basic**

**Register Status**  
Register Status Registered

**Basic Setup**  
Line Enable Enable

**Subscriber Information**  
Display Name 1008 Phone Number 1008  
Account 1008 Password \*\*\*\*\*  
Hash Password

**Proxy and Registration**  
Proxy Server 192.168.50.165 Proxy Port 5060  
Outbound Server Outbound Port 5060  
Backup Outbound Server Backup Outbound Port 5060  
Allow DHCP Option 120 to Override SIP Server Disable Transport UDP

**Help**

**Basic:**  
Set the basic parameters provided for by your VoIP Service Provider: Phone Number and Account Details.

**Audio Configuration:**  
Select the relevant audio Codecs to match your VoIP Service Provider's settings.

**Supplementary Service Subscription:**  
*Call Waiting* - This call feature informs the user if there is one more call is coming on his number

**Proxy Port:**  
Different proxy port numbers need to be configured on each FXS setting when the device is used as an intercom - i.e. without the presence of a SIP server

Figure 3-5 (Wire configuration interface)



# Chapter 4 Basic Functions

This chapter describes the basic functions of the i1X, including the following:

- [Make a Call](#)
- [Answer a Call](#)
- [Hang Up the Phone](#)
- [Auto Answer](#)
- [Function Keys Setting](#)

If you want more information and help, please contact your system administrator.

## 4.1 Make a Call

Before the i1X makes a call, you need to register the extension number of the local phone, set the speed dial through the function keys, and preset the opposite extension number or IP address to achieve one touch call.

### 4.1.1 Number Speed Dialing

#### Speed Dial Configuration

1. Enter the management configuration interface and register the local extension number
2. Open Web page ->**Phone** ->**Function key**
3. Select "**SpeedDial**" in the corresponding key type, and fill in the opposite extension number in the value
4. You can also fill in the extension number remarks in the label
5. Click **Save** to make one click call through i1X

Key	Type	Line	Value	Action URL 1	Action URL 2
Left button	URL Request		http://admin:admin@127.		
Right button	SpeedDial	Line1	6617		
Virtual button	URL Request				

Figure 4-1

### 4.1.2 IP Direct Dialing

In the same LAN, in an environment without a SIP server, you can set the IP direct dialing, and then dial the opposite IP addresses to achieve the intercom function.

1. There is no need to register the extension number of this phone. Open the web page ->**Phone** ->**Function key**
2. Select "Speed dial" in the corresponding key type, and fill in the opposite IP address in the value, such as 192.168.50.123
3. Click **Save** to make one click call through i1X

## 4.2 Answer a Call

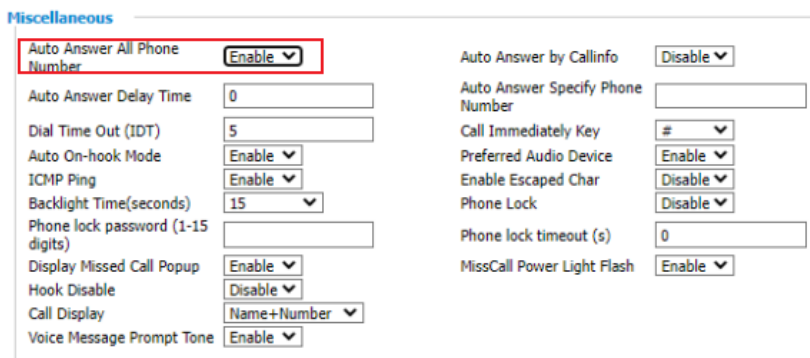
When the i1X calls in, the automatic answering is canceled by default, and the device will hear the ring within the set time. If you want to answer, you need to press the answer key. After the answer timed out, the call ends.

## 4.3 Hang Up the Phone

When the device is in call, you can end the call by pressing the Answer or End key again.

## 4.4 Auto Answer

The automatic answering function can be enabled for the device. When the device has an incoming call, it will automatically answer the call. You can find all the auto answer numbers in "**Phone - Preferences**" and turn them on.



Miscellaneous	
Auto Answer All Phone Number	Enable
Auto Answer Delay Time	0
Dial Time Out (IDT)	5
Auto On-hook Mode	Enable
ICMP Ping	Enable
Backlight Time(seconds)	15
Phone lock password (1-15 digits)	
Display Missed Call Popup	Enable
Hook Disable	Disable
Call Display	Name+Number
Voice Message Prompt Tone	Enable
Auto Answer by Callinfo	Disable
Auto Answer Specify Phone Number	
Call Immediately Key	#
Preferred Audio Device	Enable
Enable Escaped Char	Disable
Phone Lock	Disable
Phone lock timeout (s)	0
MissCall Power Light Flash	Enable

Figure 4-2

## 4.5 Function Keys Setting

Open the "**Phone - Function Key**" to set the functions of the keys. One click to trigger

the corresponding functions. Currently, the settings supported include speed dial, multicast, multicast list, DTMF, and URL request. You can check the web configuration page for more details.

Key	Type	Line	Value	Action URL 1	Action URL 2
Left button	URL Request		http://admin:admin@127.		
Right button	SpeedDial	Line1	6617		
Virtual button	URL Request				

Figure 4-3

The following is an explanation of each function:

Speed Dialing	It call the corresponding extension number
Multicast	It can broadcast and talk to multiple devices
Action URL	It can trigger access to the entered URL address

Key mapping instructions:

Single Button- i11	
Middle Key	Mapping device dialing/answering key
Virtual Key	As the spare key set for the input interface, there is no entity mapping
Dual Button- i12	
Left Key	Mapping device the left dialing/answering key
Right Key	Mapping device the right dialing/answering key
Virtual Key	As the spare key set for the input interface, there is no entity mapping
Three Button- i13	
Left Key	Mapping device the left dialing/answering key
Middle Key	Mapping device dialing/answering key
Right Key	Mapping device the right dialing/answering key
Virtual Key	As the spare key set for the input interface, there is no entity mapping

# Chapter 5 Advanced Functions

This chapter describes the advanced features of the i1X, including the following:

- [Multicast Broadcast](#)
- [Input Interface Setting](#)
- [Output Interface Setting](#)

For further information and support, please contact your system administrator.

## 5.1 Multicast Broadcast

Multicast function is to send the voice message to the set multicast address, and all those who listen to the multicast address can receive the voice message. The function is similar to broadcasting. Using the broadcast function, it is easy and convenient to send announcements to each member of the multicast.

### Use Instructions:

1. The i1X device sets the multicast initiating address interface through the WEB

Access the phone web page ->**Phone** ->**Function Key**, set a function key type as multicast, and the **Value** is Monitoring Address (Example 224.0.0.1:10001)

Key	Type	Line	Value	Action URL 1	Action URL 2
Left button	SpeedDial	Line1	201		
Right button	Paging		224.0.0.1:10001		
Virtual button	URL Request				

Figure 5-1

2. The broadcast device can listen to the multicast address and interface through Web settings

3. Select Phone ->Enter Multicast IP -> Enter Monitoring Address (Example 224.0.0.1:10001)

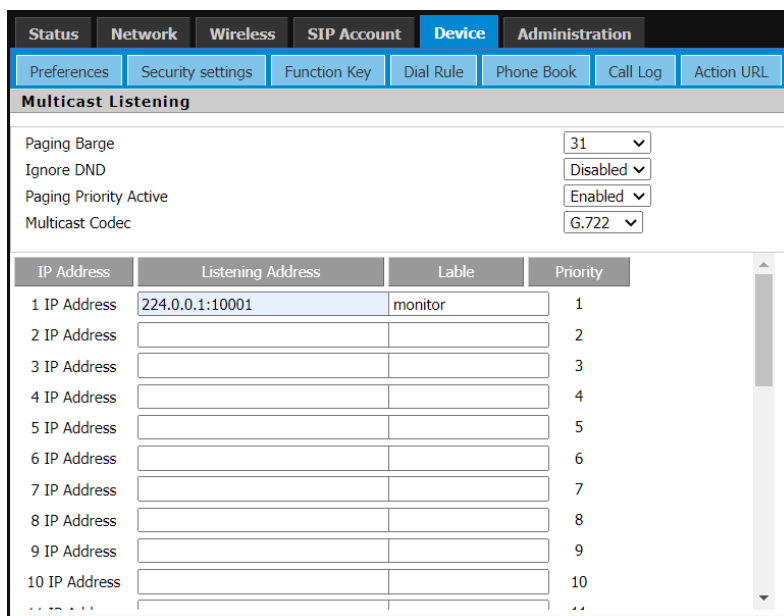


Figure 5-2

4. After the configuration is completed, the intercom/phone can initiate multicast by pressing the set multicast key. The device monitoring the address can receive the multicast content without answering

## 5.2 Input Port Setting

You can meet your personalized scene needs through input devices such as access switches, infrared probes, and vibration sensors.

Path: Phone-Security-Settings

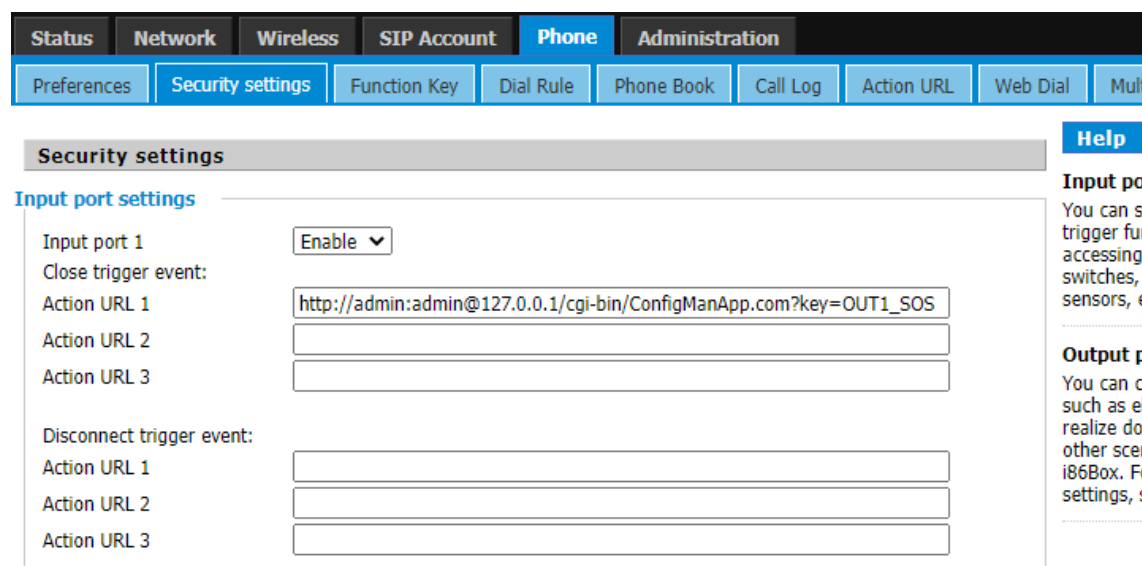


Figure 5-3

The following are the parameters of the input port:

Input Port Setting	
Input Port 1	Enable or disable the input port
Close/Disconnect Trigger Event	When the external device circuit of the i1X changes from the disconnected state to the closed state, a one-time URL is requested Instructions: Each URL can trigger a request at the same time. Filling in the same URL will trigger the request only once
Trigger Key Function URL	First Key: http://username:password@127.0.0.1/cgi-bin/ConfigManApp.com?key=L1 Second Key: http://username:password@127.0.0.1/cgi-bin/ConfigManApp.com?key=L2 Third key: http://username:password@127.0.0.1/cgi-bin/ConfigManApp.com?key=L3 Fourth key: http://username:password@127.0.0.1/cgi-bin/ConfigManApp.com?key=L4  (User name and password are <b>admin/admin</b> by default)  <b>Key descriptions:</b> i11/i11V: center key (L1), virtual key (L2) i12/i12V: left button (L1), right button (L2), virtual key (L3) i13/i13V: left button (L1), center button (L2), right button (L3), virtual button (L4)
Trigger Relay Action	Http://username:password@127.0.0.1/cgi-bin/ConfigManApp.com?Key=(trigger command/reset command, see output port setting)
Third Party Platform URL	Support filling in third-party platform URL for signal reporting

## 5.3 Output Port Setting

You can access input devices such as electric locks and alarms to achieve scene requirements such as opening doors and alarming through the i1X.

**Output port settings**

Default_state	<input type="text" value="Normally closed (NC-COM)"/>	Continuous output time(5~600)	<input type="text" value="5"/>
Action URL triggers	<input type="text" value="Enable"/>		
Trigger instruction	<input type="text" value="OUT1_SOS"/>	Reset command	<input type="text" value="OUT1_CLR"/>

Figure 5-4

The following are the parameters of the output port:

Output Port Setting	
Standard Status	<p><b>The default state is normally closed (NC-COM connected)</b></p> <p>Normally closed (NC-COM connected): When the trigger conditions are met, NC-COM is disconnected and NO-COM is connected</p> <p>Normally open (NO-COM connected): When the trigger conditions are met, NO-COM is disconnected and NC-COM is connected</p>
Action URL Trigger	<p>Enable or disable URL triggering.</p> <p>When enabled, the remote device or the local computer sends the request command. If it is correct, the corresponding action will be triggered</p>
Trigger Action Definition	<p><b>1. The default status of the relay is normally closed:</b></p> <p>When the i1X receives the trigger command, it becomes normally open. After a period of time, it returns to the default status</p> <p><b>2. The default status of the relay is normally open:</b></p> <p>When the i1X receives the trigger command, it becomes normally closed. After a period of time, it returns to the default state</p>
Reset Action Definition	When the duration of relay triggering action has not expired, the output port triggering action will be stopped immediately after receiving the reset command
Output Duration	Output port change duration, the default value is 5 seconds, which supports user-defined (5-600s)
Trigger Instruction	The default is OUT1_SOS, supports customized changes
Reset Command	The default is OUT1_CLR, supports customized changes
Output Trigger URL	<p><b>Local trigger:</b></p> <p>http://Username:password@127.0.0.1/cgi-bin/ConfigManApp.com? Key=Trigger /Reset command</p> <p><b>Remote trigger:</b></p> <p>http://Username:Password@IP Address/cgi-bin/ConfigManApp.com?key=Trigger /Reset Command</p>
User Name/Password	<p>The default is admin/admin</p> <p>If you have modified your username and password, please fill in your modified user name and password</p>
IP Address	Enter the IP address you need to control

## 5.4 DTMF

DTMF (Dual-Tone Multi-Frequency) signals are used for digital dialing and control functions in telephone systems.

By setting DTMF trigger codes on the i1X, you can enable the output port of the device when a specific code, such as "1234," is pressed during a call. This allows you to remotely control operations such as opening doors or triggering alarm lights using DTMF.

**Tips:** It is important to ensure that both devices have the same DTMF mode, and the extension type registered on the SIP server is also set to the same DTMF mode (usually defaulting to RFC2833).

**Output port settings**

Default_state	Normally closed (NC-CO ▾)	Continuous output time(5~600)	5
Trigger By DTMF	Enable ▾	DTMF Reset Code	4321
DTMF Trigger Code	1234	DTMF Reset By	By continus output time ▾
Action URL triggers	Enable ▾	Reset command	OUT1_CLR
Trigger instruction	OUT1_SOS		

Figure 5-5

### DTMF configuration

1. Log in to the management background of the device
2. Open the device->Security Settings->Output Port Settings
3. DTMF Trigger -> Select Enable, fill in the trigger code (default is 1234),
4. Select the reset method of the output port of the device according to the needs (according to the call time, according to the duration)
5. Click **Save**

### Use DTMF

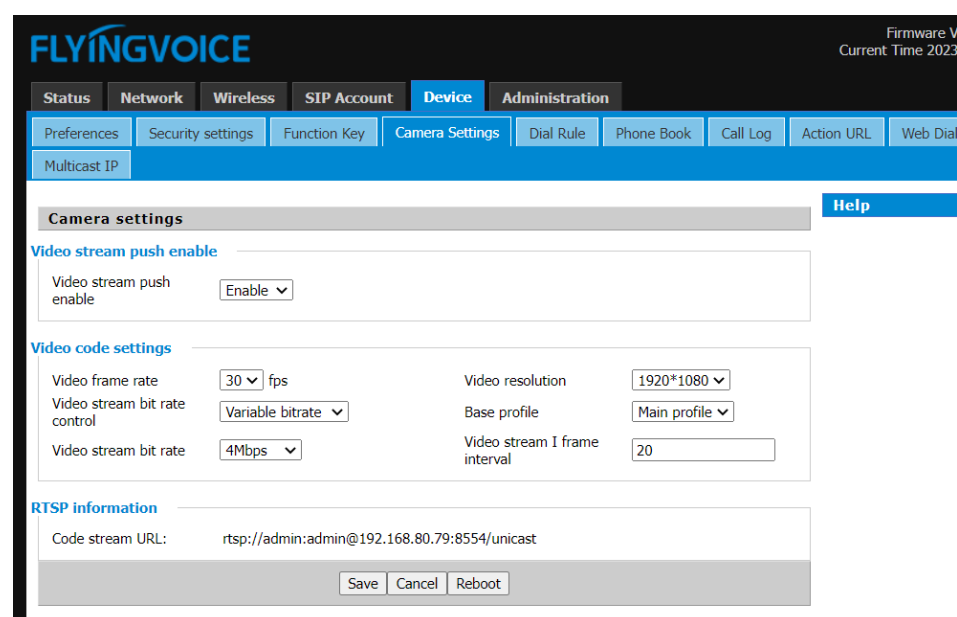
2. Presses the speed dial key of i1X to call the indoor phone
2. Press the trigger code "1234" on the phone, and the intercom will play DTMF tone at the same time
3. Intercom enable output port to realize door opening and other operations



## 5.5 Camera Settings

The i1XV has a built-in 1080P HD camera, which turns on the video by default when making calls, and supports up to 480\*272 resolution when videoing with the FIP15G Plus, which enables security monitoring and video calls with the FIP15G Plus. Users can also call the device's RTSP video stream URL to get video footage.

**Path:** Device -> Camera Settings



**Figure 5-5**

**Video stream push enable:** On, Off

**Video frame Rate:** Default 25. Optional selections include 5, 10, 15, 20, 24, 25, and 30.

**Video resolution:** 1920\*1080、1280\*720、704\*576、352\*288、176\*144

**Video stream bit rate control:** Constant bitrate, Variable bitrate\

**Base profile:** Base profile, Main profile

**Video stream bit rate:** Default 4Mbps; Maximum support 14Mbps.

**Video stream I frame interval:** The interval between two consecutive I-frames in a video stream is the duration or time gap between these frames.

**Code stream URL:** *rtsp://admin:admin@192.168.80.79:8554/unicast*

**Tips:** You can play the video footage using media players like VLC.

# Chapter 6 Bulk Deployment

## 6.1 FDC

In order to manage and configure i1X intercom in large quantities more conveniently and quickly in the local LAN, FDC can provide read/modify device parameters for single or multiple devices.

1. The device is up and running and can access a LAN or switch via the WAN port
2. Repeat the above steps to connect more devices
3. Connect to a computer running FDC software

### 6.1.1 Bulk Upgrade

Use Instructions:

- a. Run the FDC software, in the upper left corner ->Device ->Scan, wait for the scanning to complete, and then you can see the devices connected under the current network

	Device	SN	Mac	IP Address	Version	Reg Status	Reg Number	Run Time	Result
1	P11	FLY0000000T...	00:21:F2:3F:F...	192.168.50.156	FVUI V0.7.39(...	Registered	6613,6613	2 h 7 m	
2	FIP11C	FLY10820300...	00:21:F2:23:B...	192.168.50.223	FVUI 0.7.23.1(...	Registered	1004	5 h 10 m	
3	FIP11C	FLY10520301...	00:21:F2:23:9...	192.168.50.221	FVUI 0.7.23.1(...	Registered	6502	28 d 0 h 4 m	
4	FIP15GPLUS	FLY12322800...	00:21:F2:3F:C...	192.168.50.242	FVMM 0.1.24...	Registered	1003,606	5 h 14 m	
5	KRONX V10P	FLY10621301...	00:21:F2:2A:9...	192.168.50.107	KRONX 0.7.2...	Registered	2202,1100	1 h 55 m	
6	T11CP	FLY10520301...	9C:E2:FC:23:9...	192.168.50.133	V0.7.35.108(...	Registered	2204	5 h 17 m	
7	FIP10	FLY10622103...	00:21:F2:36:9...	192.168.50.99	FVUI 0.7.23.1(...	Register Fail		5 h 15 m	
8	FIP10	FLY10619900...	00:21:F2:21:A...	192.168.50.80	FVUI 0.P7.127...	Registered	e.test-572	6 d 2 h 25 m	
9	G4148	FLY72204000...	00:21:F2:24:6...	192.168.50.47	V3.24(20221...	Disable	flyingvoice-a...	3 d 23 h 19 m	
10	FIA5102E2	FLY11721900...	00:21:F2:33:1...	192.168.50.73	V3.23(20220...	Registered	700	24 d 23 h 11 m	

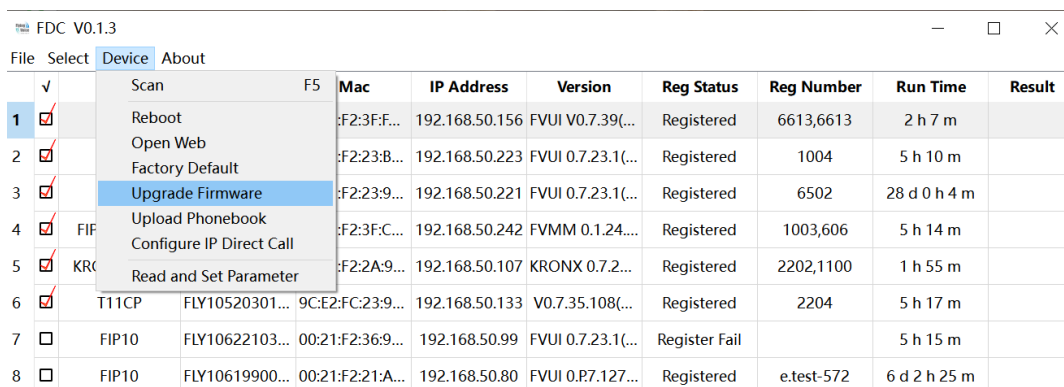
Figure 6-1 Scanning

- b. Select in the upper left corner ->Select All: i1X

	Device	SN	Mac	IP Address	Version	Reg Status	Reg Number	R
1	P11	FLY0000000T...	00:21:F2:3F:F...	192.168.50.156	FVUI V0.7.39(...	Registered	6613,6613	
2	FIP11C	FLY10820300...	00:21:F2:23:B...	192.168.50.223	FVUI 0.7.23.1(...	Registered	1004	5
3	FIP11C	FLY10520301...	00:21:F2:23:9...	192.168.50.221	FVUI 0.7.23.1(...	Registered	6502	28
4	FIP15GPLUS	FLY12322800...	00:21:F2:3F:C...	192.168.50.242	FVMM 0.1.24....	Registered	1003,606	5
5	KRONX V10P	FLY10621301...	00:21:F2:2A:9...	192.168.50.107	KRONX 0.7.2...	Registered	2202,1100	1
6	T11CP	FLY10520301...	9C:E2:FC:23:9...	192.168.50.133	V0.7.35.108(...	Registered	2204	5
7	FIP10	FLY10622103...	00:21:F2:36:9...	192.168.50.99	FVUI 0.7.23.1(...	Register Fail		5

Figure 6-2 Select device

- c. Select Device ->Firmware Device - Upgrade Firmware in the upper left corner



	Mac	IP Address	Version	Reg Status	Reg Number	Run Time	Result
1	:F2:3F:F...	192.168.50.156	FVUI V0.7.39(...	Registered	6613,6613	2 h 7 m	
2	:F2:23:B...	192.168.50.223	FVUI 0.7.23.1(...	Registered	1004	5 h 10 m	
3	:F2:23:9...	192.168.50.221	FVUI 0.7.23.1(...	Registered	6502	28 d 0 h 4 m	
4	:F2:3F:C...	192.168.50.242	FVMM 0.1.24....	Registered	1003,606	5 h 14 m	
5	:F2:2A:9...	192.168.50.107	KRONX 0.7.2...	Registered	2202,1100	1 h 55 m	
6	9C:E2:FC:23:9...	192.168.50.133	V0.7.35.108(...	Registered	2204	5 h 17 m	
7	00:21:F2:36:9...	192.168.50.99	FVUI 0.7.23.1(...	Register Fail		5 h 15 m	
8	00:21:F2:21:A...	192.168.50.80	FVUI 0.P7.127...	Registered	e.test-572	6 d 2 h 25 m	

Figure 6-3 Select device

- d. Select the version upgrade file in the window

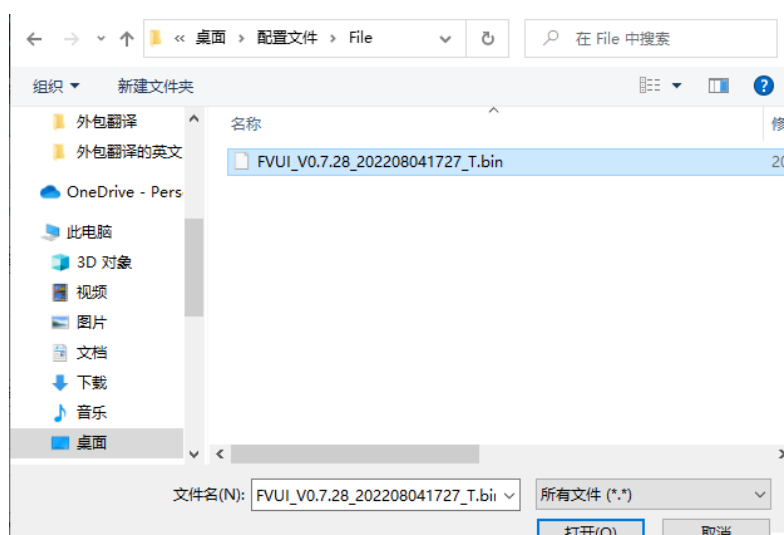
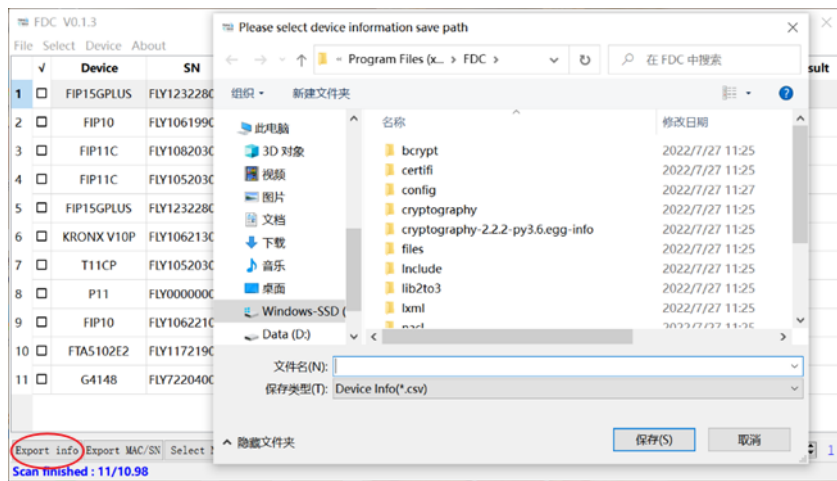


Figure 6-4 Select file

- e. Wait for the firmware upgrade to be completed

## 6.1.2 Export Profile

Device ->Export information ->Save format. csv ->Select the save path ->After export, it can be opened in Excel



# Chapter 7 Web Page Configuration

Topic

- [Device Status](#)
- [Restore Factory Settings](#)
- [Firmware Updates](#)

## 7.1 Device Status

The users can view the current device status of the device on the web page. The **status** ->**Basic** includes the following:

- Product Information: (Product Name, MAC address, Hardware version, Loader Version, Firmware Version, Serial Number)
- Line Status: (Line status, primary server, backup server)
- Network Status: (WAN port status, VPN status, wireless status, WiFi switch, Network Mode, channel bandwidth)
- System Status: (Current time, Elapsed time)

## 7.2 Restore Factory Settings

The device will empty all the configurations on the device, such as the initial account, phone settings, etc., and return to the factory default status.

1. Open the device web page ->**Administration** ->Go down to find the factory settings

The screenshot shows a web interface for 'Factory Default Setting'. It includes a 'Factory Default Lock' section with a 'Disable' dropdown menu. Below that is a 'Factory Default' section with a 'Reset to Factory Default' label and a 'Factory Default' button. At the bottom, there are four buttons: 'Save & Apply', 'Save', 'Cancel', and 'Reboot'.

Figure 7-1 Restore factory settings

2. Click **Factory Defalut** ->**OK** -Wait for recovery to be completed

**Tips:** If you cannot enter the device web, you can press the Reset button and hold it while the

device is powered on until the device emits a beep tone, then release the Reset button and the device starts to restore factory settings. When the device emits a welcome tone, the device reset to factory settings is completed.

## 7.3 Firmware Updates

The i1X device can be upgraded in the web page.

1. Go to the website-> **Administration**-> **Firmware Upgrade** Select the file and click Upgrade. You can choose to Ban/Enable Delete the current configuration.
2. Click and Save

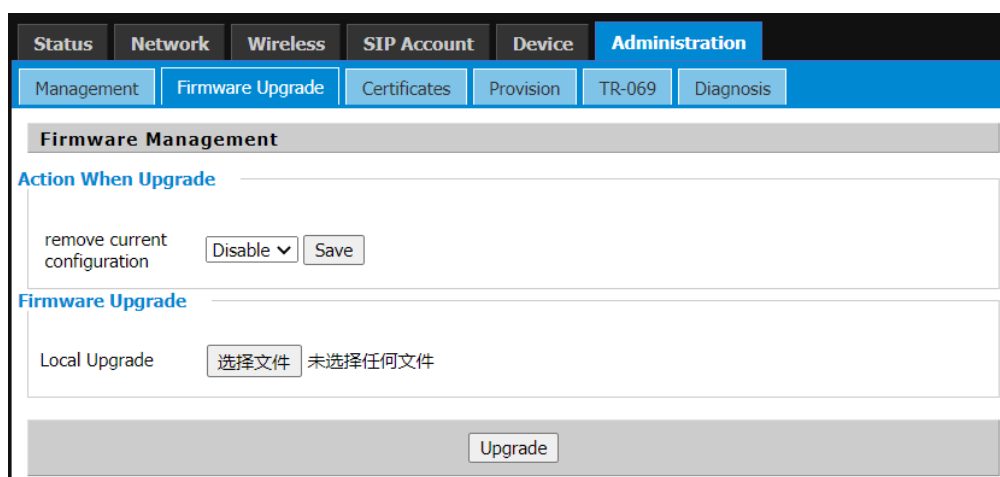


Figure 7-2