







## Video Door Phone Quick Installation Guide



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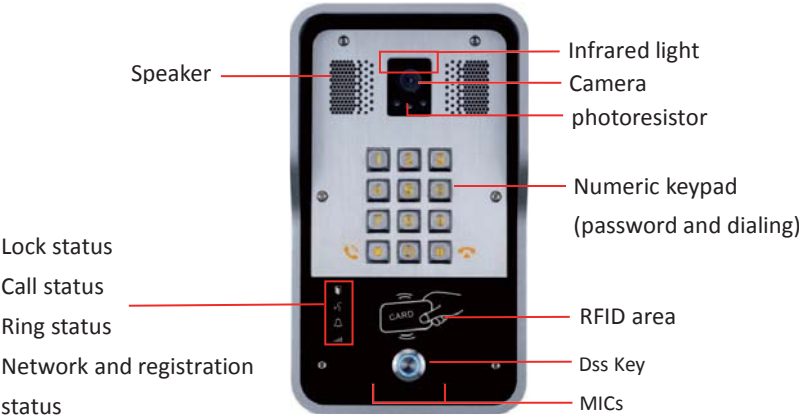
1. Package Contents

	Door Phone		Connectors
	Quick Installation Guide		Mounting Template
	RFIC Cards		Screw and Wrench

2. Physical Specifications

Device size	223 x 130 x 74mm
Weight	1800g

1) Front Panel







Interface	Description
Camera	Get the video.
Infrared light & Photoresistor	The Compensate for lack of ambient light
Speaker	The door phone has a built-in speaker for convenient communication and alert use.
MIC	The door phone has a built-in microphone hidden in the pinhole located on the front panel.
RFID Reader	Use RFID cards to unlock the door by touching RFID reader of device.

**Button Definition**

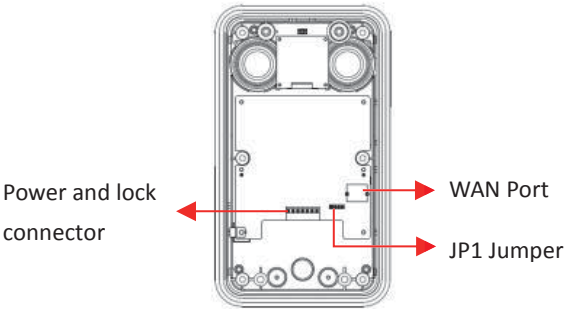
Button	Description
DSS Key	Press the Button, calling or request to open the door.
Numeric Keyboard	Input password to open the door or call.

**LED Definition**

LED	Status	Description
<div>   Lock </div>	Steady Blue	Door unlocking
	off	Door locking
<div>   Call </div>	Blinks per second	Hold
	Steady Blue	Call Hold
	off	On Hook
<div>   Ring </div>	Steady Blue	Ring
	off	On Hook
<div>   Network &amp; SIP Registration </div>	Blinks per second	Network error
	off	Network is normal, SIP is not registered
	Blinks every 3 seconds	SIP Registration failed
	Steady Blue	SIP Registration succeeded

**2) Port Definition**

After removing the Back Panel of device, there are one terminal block connectors for power and lock control connection as shown in the picture below.



Network Connector



Power and Electric-lock Connector



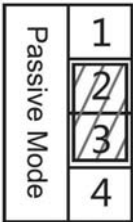
1	2	3	4	5	6	7
+DC12V	VSS	NC	COM	NO	S-IN	S-OUT
12V DC Input		Electric-lock switch			Indoor switch	

JP1 Jumper

There are two modes for power supply of electric-lock as shown in the picture below.  
(The default is “**Passive Mode** ”).

**Passive Mode:** When the electric-lock starting current is more than 12V/500mA, need to use the external drive mode, the electric lock interface for short circuit output control.

**Active Mode :** When the electric-lock starting current is less than 12V/500mA, can use the internal drive mode, the electric lock interface is 12V DC output.



Jumper in passive mode




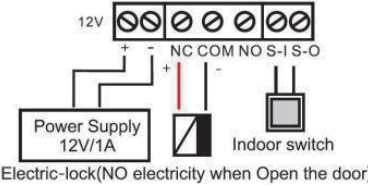

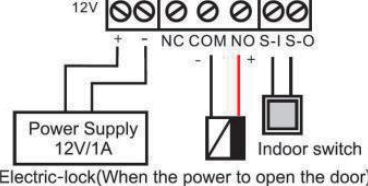

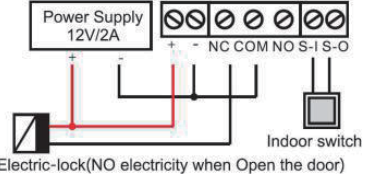

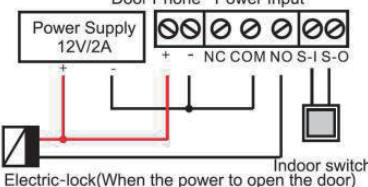
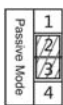
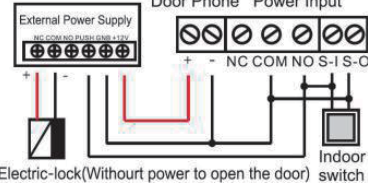
Jumper in active mode

## Wiring instructions

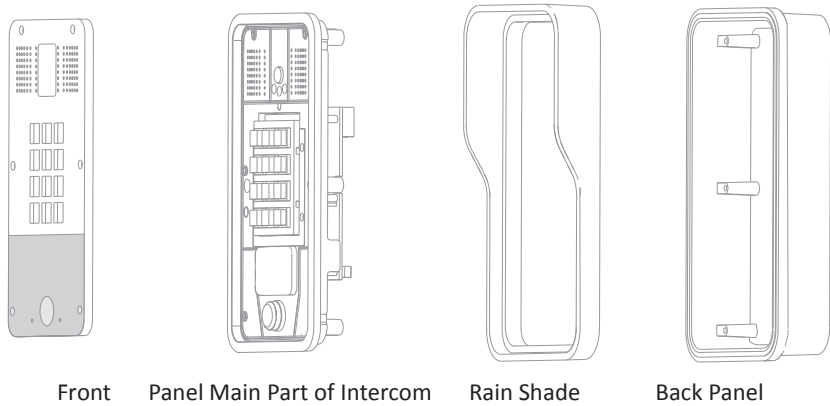
NO: Normally Open Contact

COM: Common Contact

NC: Normally Close Contact

Driving Mode		Electric-lock Mode		JP1 Jumper	Connections
Active	Passive	No electricity when open	Electrify when open		
✓		✓		Active Mode 	 <p>12V</p> <p>Power Supply 12V/1A</p> <p>Indoor switch</p> <p>Electric-lock(NO electricity when Open the door)</p>
✓			✓	Active Mode 	 <p>12V</p> <p>Power Supply 12V/1A</p> <p>Indoor switch</p> <p>Electric-lock(When the power to open the door)</p>
	✓	✓		Passive Mode 	 <p>Door Phone Power Input</p> <p>Power Supply 12V/2A</p> <p>Indoor switch</p> <p>Electric-lock(NO electricity when Open the door)</p>
	✓		✓	Passive Mode 	 <p>Door Phone Power Input</p> <p>Power Supply 12V/2A</p> <p>Indoor switch</p> <p>Electric-lock(When the power to open the door)</p>
	✓	✓		Passive Mode 	 <p>Door Phone Power Input</p> <p>External Power Supply</p> <p>Indoor switch</p> <p>Electric-lock(Without power to open the door)</p>

### 3. Installation



**Figure 1** Three Major Parts of i31S

#### Step 1: Installation preparation

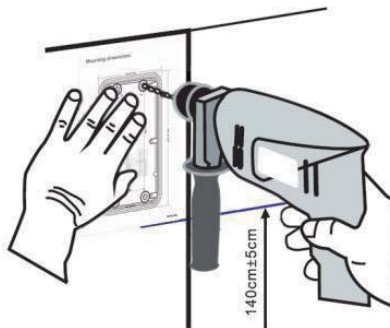
A. Check the following contents:

- Hex wrench x 1
- RJ45 plugs x 2 (1 spare)
- TA5 x 40mm screws x 4
- 35mm screw anchors x4

B. Tools that may be required:

- Hex wrench
- Phillips screwdriver (Ph2 or Ph3), hammer, RJ45 crimper
- Electric impact drill with an 6mm drill bit

#### Step 2: Drilling

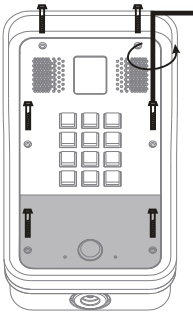


**Figure 2** Wall Mounting

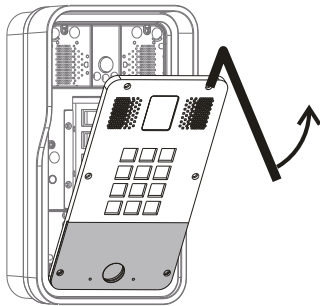
- Place the mounting template with dimensions on the surface of a wall in a desired flat position.
- Use an electric drill to drill the 4 holes marked on the mounting template. It is recommended to drill about 50mm deep. Remove the template when finishing drilling.
- Push or hammer screw anchors into the drilled holes.

**Step 3: Removing hanging shell**

A. With L-shaped screwdriver, unpack the front panel as diagram (3) (Counter-clockwise) and (4)

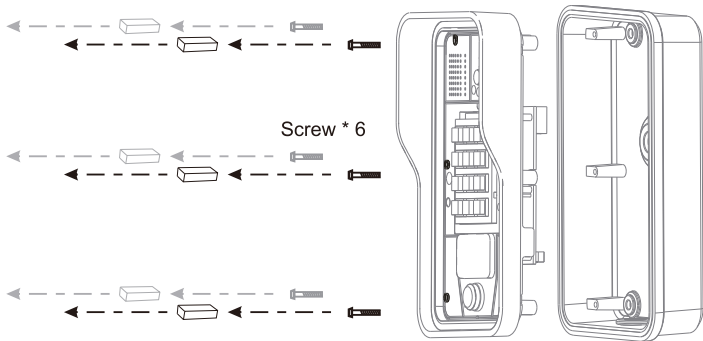


**Figure 3**



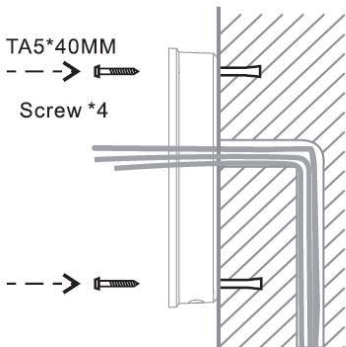
**Figure 4**

B. After taking off the 6 conductive sponges in the plastic shell, use the cross screwdriver to remove the 6 screws on the plastic shell and remove the rain cover from the plastic shell. Then separate the plastic shell from the rear shell as diagram (5).

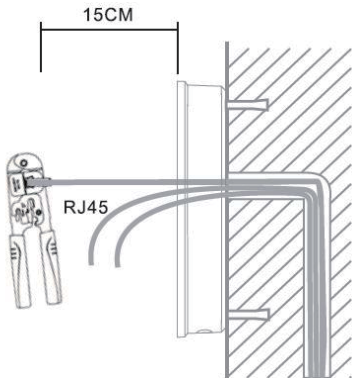


**Figure 5**

**Step 4: Back panel fixing and cabling**



**Figure 6**



**Figure 7**

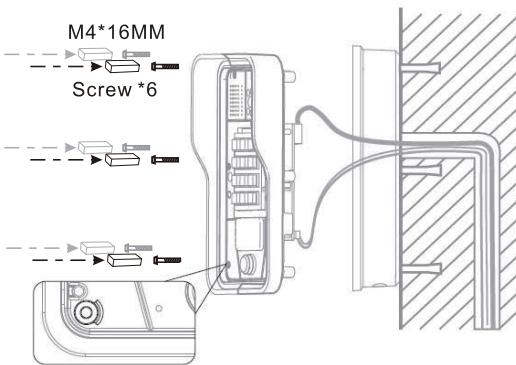
A. Select the hole for cable supply, 15cm to 20cm cable length is recommended.

Note: The direction of the cable hole on back panel is pointing down.

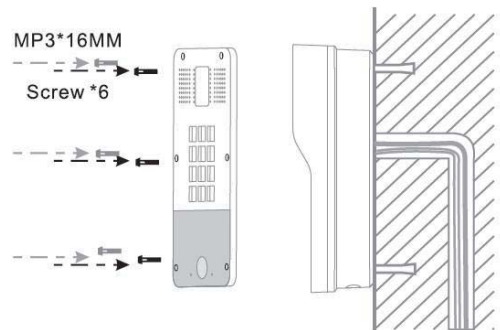


- B. With 4 TA5\*40mm screws, tighten the back panel on the wall as diagram (6).
- C. Connect the cables of RJ45, power, and electric-lock to the motherboard socket as mentioned in connectors description (refer to Section 2).
- D. Test whether there is electricity by doing the following:  
 Press the # button for 3 seconds to get the IP address of intercom by voice.  
 Input access password or press the indoor switch to check electric-lock installation.  
**Note:** Do not proceed mounting until you have finished the electric checking.

#### Step 4: Mounting



**Figure 8**



**Figure 9**

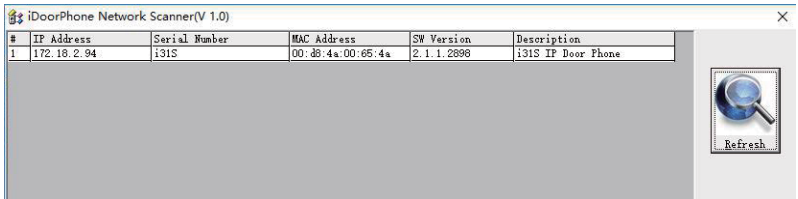
- A. After locking the 6 screws into the corresponding position of the plastic housing, the 6 conductive sponges is loaded into a screw hole. As shown in Fig. 8, the rear shell is locked.  
 Note: This sponge can enhance the ESD protection function of the product. Kindly suggest that it should not be ignored!
- B. Push the front panel into the plastic frame, and tighten it with 6 screws as diagram (9).  
 Note: Make sure the screws have been tightened properly for better waterproof effect.

## 4. Searching Door Phone

There are two methods as shown below to search the device.

### Method 1:

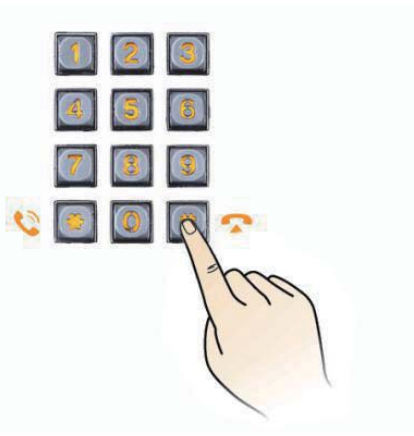
Open the iDoorPhone Network Scanner. Press the Refresh button to search the device and find the IP address.



### Method 2:

Press and hold the “#” key for 3 seconds and the door phone will report the IP address by voice.

In addition device provides the device surface DSS key operation to switch IP address acquisition mode: long press the DSS key for 10 seconds, to be issued by the speaker Beep, and then press the DSS key three times, the beep stops. Wait 10 seconds, after the success of the system automatically broadcast the current IP address.



Default Setting	
Default DHCP Client	Enable
Static IP Address	192.168.1.128
Default Web Port	80
Default Login User Name	admin
Default Login Password	admin
Display IP address	Hold # for 3 seconds to display by voice
Search Tools	iDoorPhone Network Scanner

## 5. SIP Door Phone Setting

### Step 1: Log in the door phone

Input IP address (e.g. http://192.168.1.149) into address bar of PC's web browser.

The default user name and password are both admin.

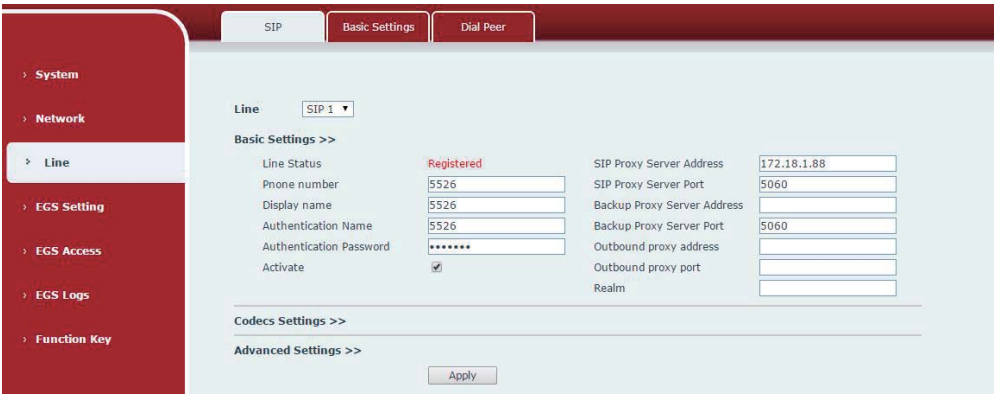


A login form with a red header bar. It contains three input fields: 'User:', 'Password:', and 'Language:'. The 'Language:' field is a dropdown menu currently set to 'English'. Below these fields is a 'Login' button.

### Step 2: Add the SIP account.

Set SIP server address, port, user name, password and SIP user with assigned SIP account parameters.

Select “Activate”, and then click Apply to save this setting.



The 'SIP' settings page with a red sidebar. The 'Line' dropdown is set to 'SIP 1'. The 'Basic Settings >>' section shows 'Line Status' as 'Registered'. Other fields include 'Phone number', 'Display name', 'Authentication Name', 'Authentication Password', 'SIP Proxy Server Address', 'SIP Proxy Server Port', 'Backup Proxy Server Address', 'Backup Proxy Server Port', 'Outbound proxy address', 'Outbound proxy port', and 'Realm'. The 'Activate' checkbox is checked. Below are 'Codec Settings >>' and 'Advanced Settings >>' sections. An 'Apply' button is at the bottom.

### Step 3: Setting DSS key

Set the DSS key as shown below for a quick start. Click “Apply” to save this setting.

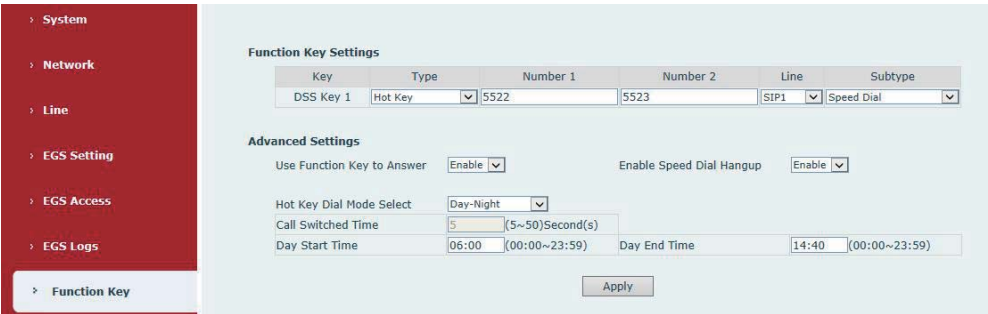
Type: Hot Key

Number 1: The DSS Key will dial to this Number 1.

Number 2: If Number 1 is unavailable, it will be forwarded to Number 2.

Line: Working line

Subtype: Speed dial



The 'Function Key Settings' page with a red sidebar. The 'Function Key Settings' table shows 'DSS Key 1' with 'Hot Key' type, '5522' as Number 1, '5523' as Number 2, 'SIP1' as Line, and 'Speed Dial' as Subtype. The 'Advanced Settings' section includes 'Use Function Key to Answer' (Enable), 'Enable Speed Dial Hangup' (Enable), 'Hot Key Dial Mode Select' (Day-Night), 'Call Switched Time' (5 seconds), 'Day Start Time' (06:00), 'Day End Time' (14:40), and 'Speed Dial Time' (00:00~23:59). An 'Apply' button is at the bottom.

## Step 4: Door Phone Setting

Features	Audio	Video	MCAST	Action URL	Time/Date
<b>Common Settings</b>					
Switch Mode	Monostable ▾	Switch-On Duration	5 (1~600)Second(s)		
Enable Card Reader	Enable ▾	Card Reader Working Mode	Normal ▾		
Limit Talk Duration	Enable ▾	Talk Duration	120 (20~600) Second(s)		
Remote Password	*	Local password	*****		
APP Door Open	Disable ▾	APP Password	*		
Enable Indoor Open	Enable ▾	Enable Access Table	Enable ▾		
Description	后门315(5523)	Enable Open Log Server	Disable ▾		
Address of Open Log Server	0.0.0.0	Port of Open Log Server	514		
Door Unlock Indication	Long Beeps ▾	Remote Code Check Length	4 (1~11)		
<a href="#">Apply</a>					
<a href="#">Basic Settings &gt;&gt;</a>					
<a href="#">Block Out Settings &gt;&gt;</a>					

## 6. Door Unlocking Setting

### Local

#### 1) Local Password

Step 1: Go to **EGS Setting** → **Features** → Set **Local Password** (The default is “6789”).

Step 2: Use the device’s **Numeric Keyboard** to input **password** and “#” key, and then the door will be unlocked.

Features	Audio	Video	MCAST	Action URL	Time/Date
<b>Common Settings</b>					
Switch Mode	Monostable ▾	Switch-On Duration	5 (1~600)Second(s)		
Enable Card Reader	Enable ▾	Card Reader Working Mode	Normal ▾		
Limit Talk Duration	Enable ▾	Talk Duration	120 (20~600) Second(s)		
Remote Password	*	Local password	*****		
APP Door Open	Disable ▾	APP Password	*		
Enable Indoor Open	Enable ▾	Enable Access Table	Enable ▾		
Description	后门315(5523)	Enable Open Log Server	Disable ▾		
Address of Open Log Server	0.0.0.0	Port of Open Log Server	514		
Door Unlock Indication	Long Beeps ▾	Remote Code Check Length	4 (1~11)		
<a href="#">Apply</a>					
<a href="#">Basic Settings &gt;&gt;</a>					
<a href="#">Block Out Settings &gt;&gt;</a>					

## 2) Private Access Code

Step 1: Go to **EGS Access** → **Access Rule** → set **Access Code**.

Step 2: Use the device's **Numeric Keyboard** to input **password** and **"#"** key, and then the door will be unlocked.

Access Table >>

Total: 1 Prev Page: 1 Next [Click here to Save Access Table](#) Delete Delete All

Index	Name	ID	Department	Position	Location	Number	Fwd Number	Access Code	Double Auth	Profile	Type	Issuing Date	Card State
1	BBK							1234	Disable	None	Guest		Enable

Add Access Rule

Name: BBK \* Location: [?]  
ID: [?] Number: [?]  
Card State: Enable Fwd Number: [?]  
Department: [?] Access Code: 1234 [?]  
Position: [?] Double Auth: Disable [?]  
Type: Guest Profile: None

Add Modify

## Remote

### Remote Password

Step 1: Go to **EGS Setting** → **Features** → Set **Remote Password** (The default is **"\*"**).

Step 2: To answer the call made by visitor via SIP phone, press the **"\*"** key to unlock the door the visitor.

Features Audio Video MCAST Action URL Time/Date

Common Settings

Switch Mode: Monostable  
Enable Card Reader: Enable  
Limit Talk Duration: Enable  
Remote Password: [?]  
APP Door Open: Disable  
Enable Indoor Open: Enable  
Description: 01315(5523)  
Address of Open Log Server: 0.0.0.0  
Door Unlock Indication: Long Beeps

Switch-On Duration: 5 (1~600) Second(s)  
Card Reader Working Mode: Normal  
Talk Duration: 120 (20~600) Second(s)  
Local password: \*\*\*\*\*  
APP Password: \*  
Enable Access Table: Enable  
Enable Open Log Server: Disable  
Port of Open Log Server: 514  
Remote Code Check Length: 4 (1~11)

Apply

Basic Settings >>  
Block Out Settings >>

## RFID Card

Step 1: Go to **EGS Access** → Enter the Name and ID Number (Only Front 10 yards) → Press **Add** to Access Table.

Step 2: Use pre assigned RFID cards to unlock the door by touching RFID area of device.

Access Table >>

Total: 0 Prev Page: Next [Click here to Save Access Table](#) Delete Delete All

Index	Name	ID	Department	Position	Location	Number	Fwd Number	Access Code	Double Auth	Profile	Type	Issuing Date	Card State
-------	------	----	------------	----------	----------	--------	------------	-------------	-------------	---------	------	--------------	------------

Add Access Rule

Name: Hugo \* ID: 0123031310  
Card State: Enable  
Department: [?]  
Position: [?]  
Type: Guest

Location: [?]  
Number: [?]  
Fwd Number: [?]  
Access Code: [?]  
Double Auth: Disable [?]  
Profile: None

Add Modify

**FānVīl**