



Video Door Phone

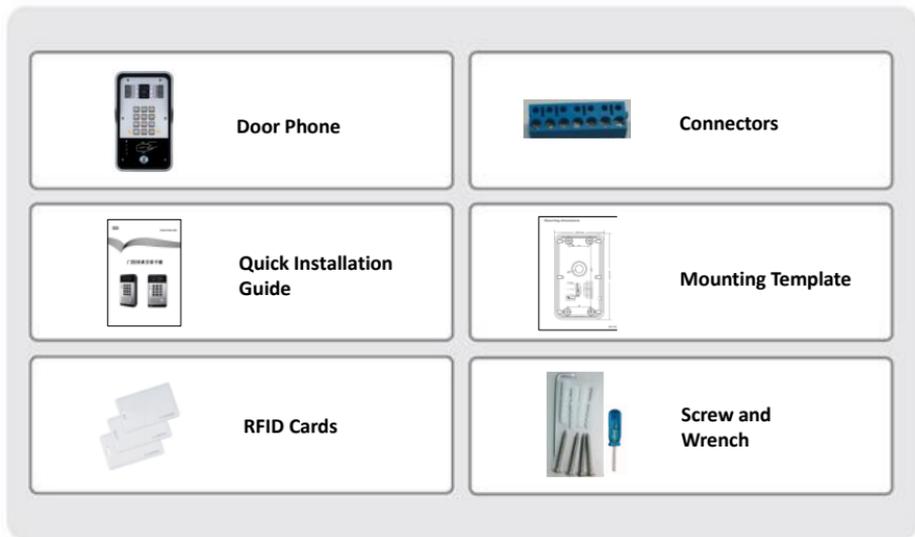
Quick Installation Guide



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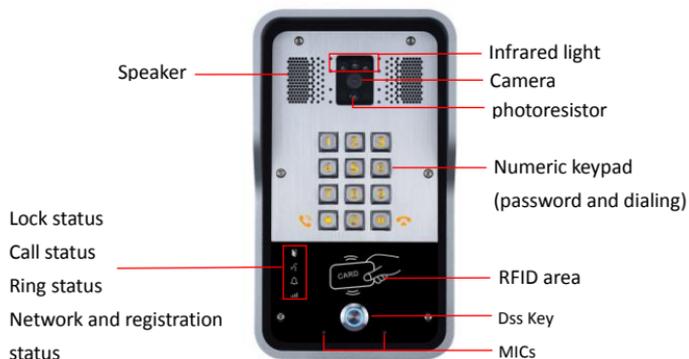
1. Package Contents



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

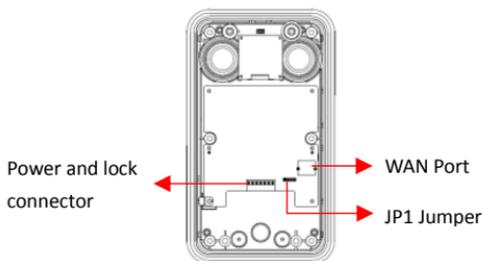
Button	Description
DSS Key	Press the Button, calling or request to open the door.
Numeric Keyboard	Input password to open the door or call.

LED Definition

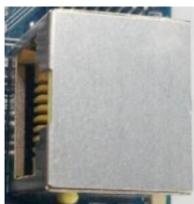
LED	Status	Description
 Lock	Steady Blue	Door unlocking
	off	Door locking
 Call	Blinks per second	Hold
	Steady Blue	Call Hold
	off	On Hook
 Ring	Steady Blue	Ringing
	off	On Hook
 Network & SIP Registration	Blinks per second	Network error
	off	Network is normal, SIP is not registered
	Blinks every 3 seconds	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/650mA, 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/650mA, can use the internal drive mode, the electric lock interface is 12V DC output.



Jumper in passive mode



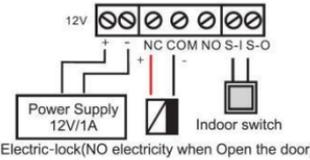
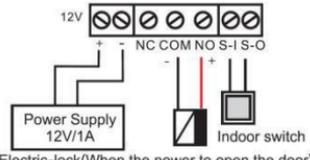
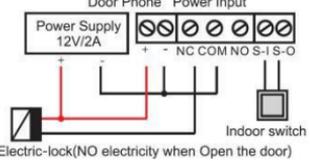
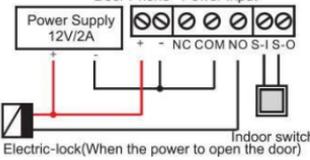
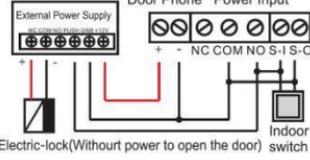
Jumper in active mode

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		
✓		✓			 <p>Electric-lock(NO electricity when Open the door)</p>
✓			✓		 <p>Electric-lock(When the power to open the door)</p>
	✓	✓			<p style="text-align: center;">Door Phone Power Input</p>  <p>Electric-lock(NO electricity when Open the door)</p>
	✓		✓		<p style="text-align: center;">Door Phone Power Input</p>  <p>Electric-lock(When the power to open the door)</p>
	✓	✓			<p style="text-align: center;">External Power Supply Door Phone Power Input</p>  <p>Electric-lock(Without power to open the door)</p>

3. Installation

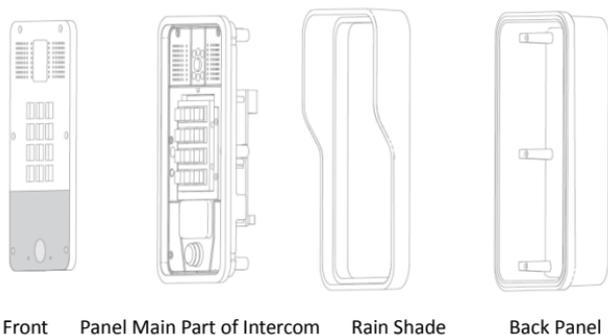


Figure 1 Three Major Parts of i31S

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

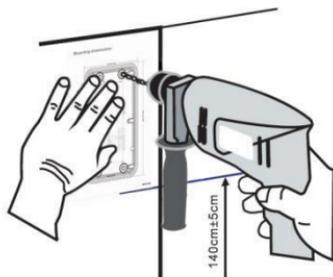


Figure 2 Wall Mounting

- 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)

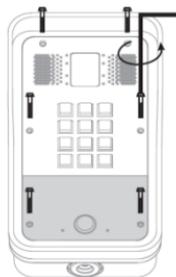


Figure 3

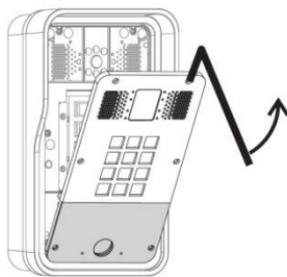


Figure 4

B. With Phillips screwdriver, unpack the rain shade and the main part of intercom as diagram (5)

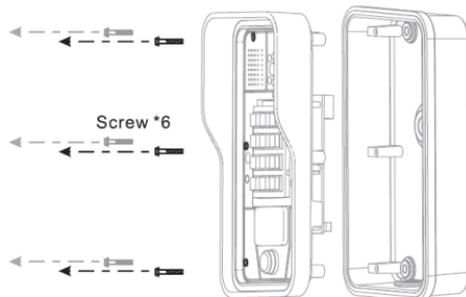


Figure 5

Step 4: Back panel fixing and cabling

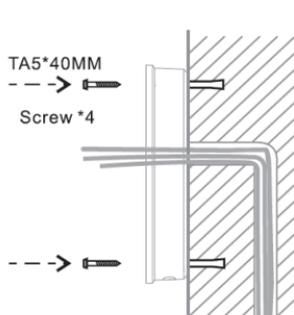


Figure 6

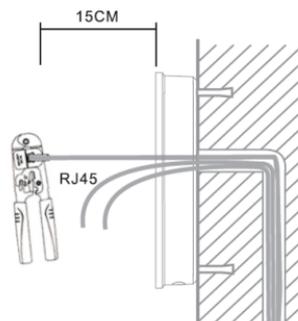


Figure 7

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

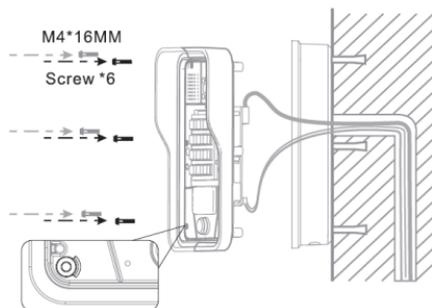


Figure 8

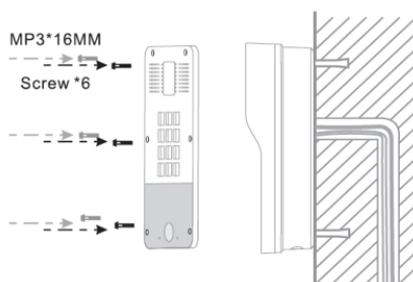


Figure 9

- A. With 6 screws unscrewed before, tighten the main part (together with rain shade) of intercom on the back panel as diagram (8).
- 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.

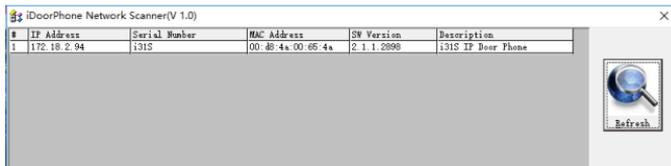
4. Searching Door Phone

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.

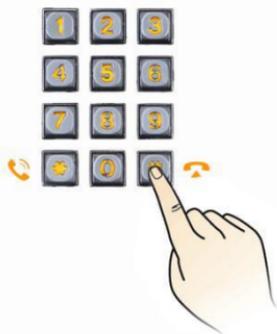
(Download address <http://download.fanvil.com/tool/iDoorPhoneNetworkScanner.exe>)



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. IP 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 and a light blue background. It contains three input fields: 'User:', 'Password:', and 'Language:'. The 'Language:' field has a dropdown menu with 'English' selected. A 'Logon' button is located at the bottom right of the form.

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 screenshot shows the 'SIP' configuration page. The left sidebar has a red background with a white 'Line' menu item selected. The main content area has a red header with 'SIP', 'Basic Settings', and 'Dial Peer' tabs. The 'Line' dropdown is set to 'SIP 1'. Under 'Basic Settings >>', there are two columns of fields. The first column includes 'Line Status' (Registered), 'Phone number' (5526), 'Display name' (5526), 'Authentication Name' (5526), 'Authentication Password' (*****), and 'Activate' (checked). The second column includes 'SIP Proxy Server Address' (172.18.1.88), 'SIP Proxy Server Port' (5060), 'Backup Proxy Server Address', 'Backup Proxy Server Port' (5060), 'Outbound proxy address', 'Outbound proxy port', and 'Realm'. Below these are sections for 'Codec Settings >>' and 'Advanced Settings >>'. 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.

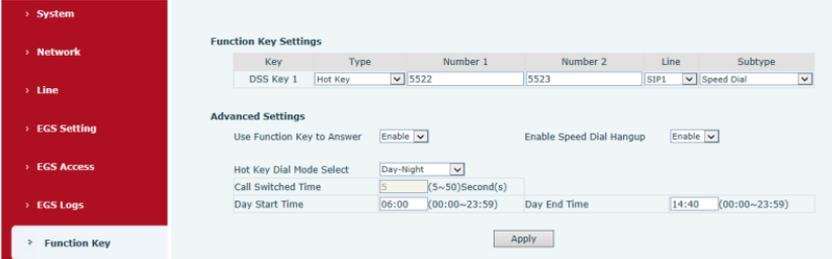
Type: Hot Key

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 screenshot shows the 'Function Key Settings' page. The left sidebar is the same as in Step 2. The main content area has a red header with 'Function Key Settings'. Below it is a table with columns: Key, Type, Number 1, Number 2, Line, and Subtype. The first row shows 'DSS Key 1', 'Hot Key', '5522', '5523', 'SIP1', and 'Speed Dial'. Below the table is the 'Advanced Settings' section with fields for 'Use Function Key to Answer' (Enable), 'Enable Speed Dial Hangup' (Enable), 'Hot Key Dial Mode Select' (Day-Night), 'Call Switched Time' (5), 'Day Start Time' (06:00), and 'Day End Time' (14:40). An 'Apply' button is at the bottom.

Step 4: Door Phone Setting

Features	Audio	Video	MCAST	Action URL	Time/Date
System					
Network					
Line					
EGS Setting					
EGS Access					
EGS Logs					
Function Key					
Alert					
Common Settings					
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	7031S(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)		
<input type="button" value="Apply"/>					
Basic Settings >>					
Block Out Settings >>					

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
System					
Network					
Line					
EGS Setting					
EGS Access					
EGS Logs					
Function Key					
Alert					
Common Settings					
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	7031S(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)		
<input type="button" value="Apply"/>					
Basic Settings >>					
Block Out Settings >>					

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

<input type="checkbox"/>	Index	Name	ID	Department	Position	Location	Number	Fwd Number	Access Code	Double Auth	Profile	Type	Issuing Date	Card State
<input checked="" type="checkbox"/>	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 | 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: 71315(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)

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

<input type="checkbox"/>	Index	Name	ID	Department	Position	Location	Number	Fwd Number	Access Code	Double Auth	Profile	Type	Issuing Date	Card State
--------------------------	-------	------	----	------------	----------	----------	--------	------------	-------------	-------------	---------	------	--------------	------------

Add Access Rule

Name: Hugo * | Location: [?]
ID: 0123031310 | Number: [?]
Card State: Enable | Fwd Number: [?]
Department: [?] | Access Code: [?]
Position: [?] | Double Auth: Disable * [?]
Type: Guest | Profile: None

Add | Modify

Fanvil