



SIP Intercom DP8 Series Quick Installation Guide

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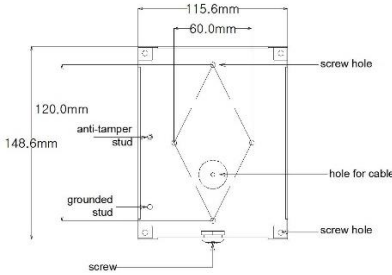


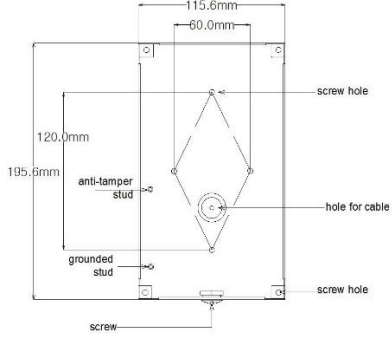



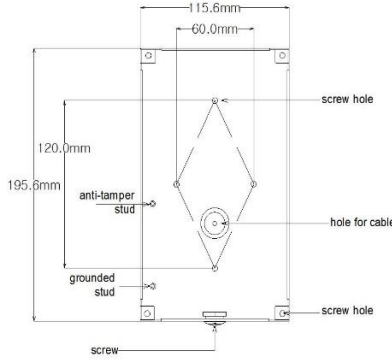

Website: www.dinstar.com

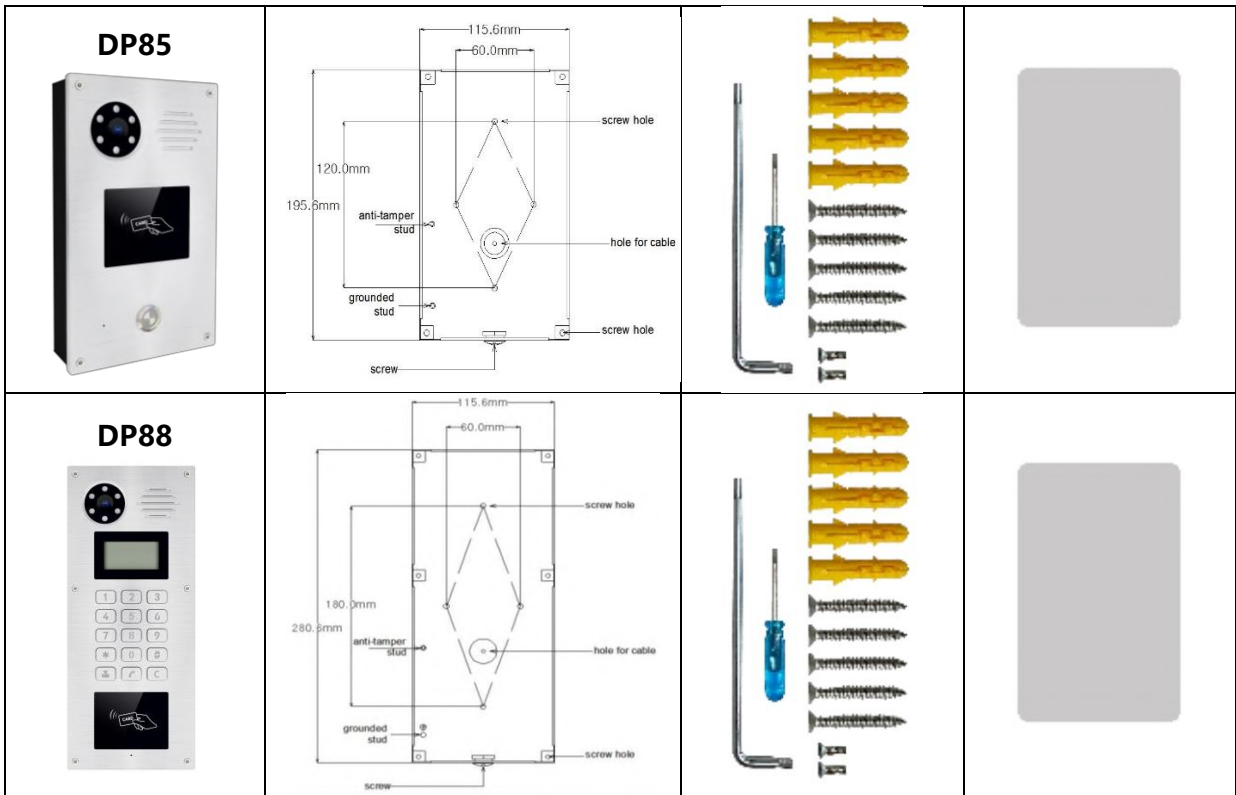
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1 Packing List

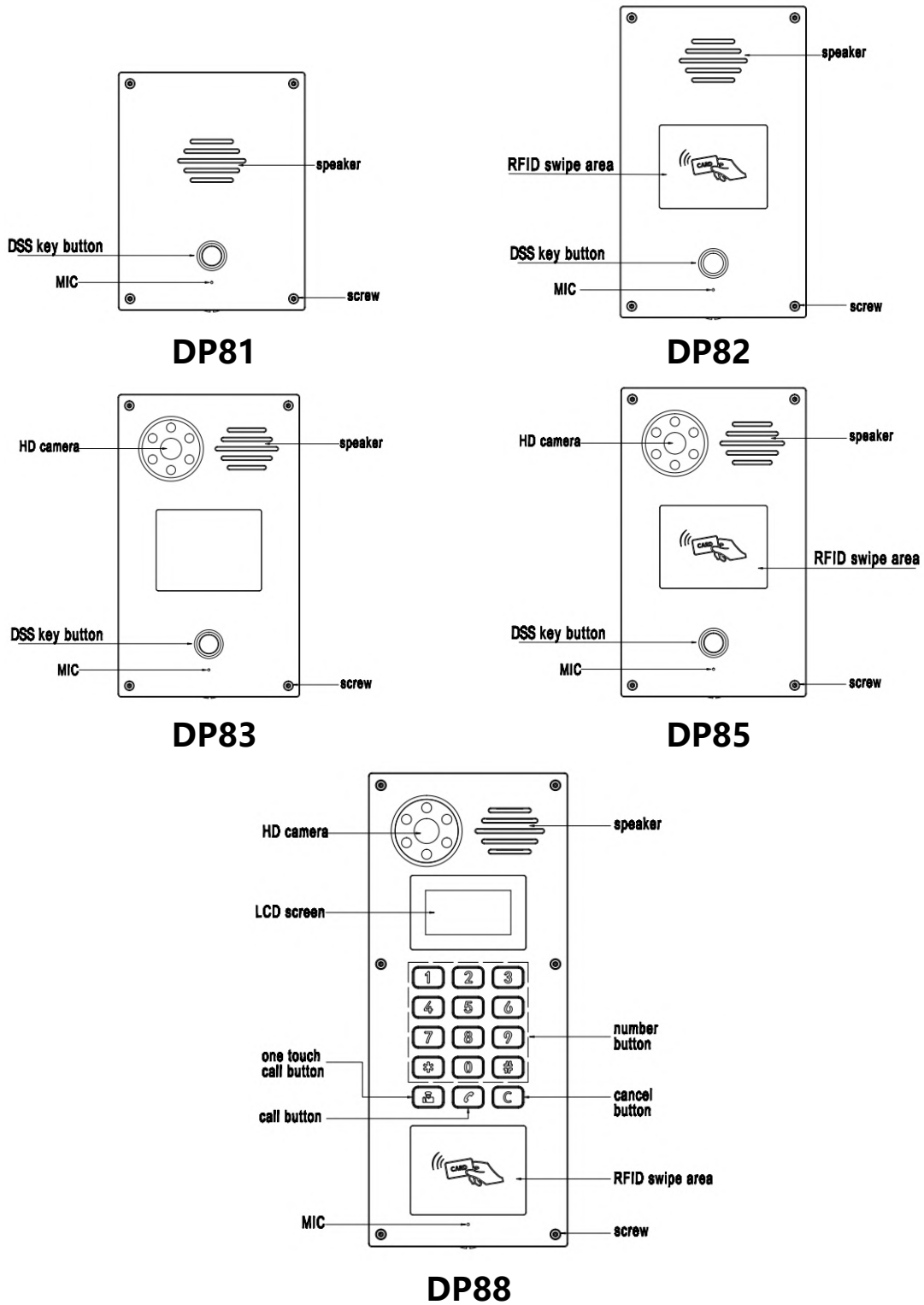
SIP Intercom	Installation	Accessories	RFID Card
<p>DP81</p> 			
<p>DP82</p> 			
<p>DP83</p> 			



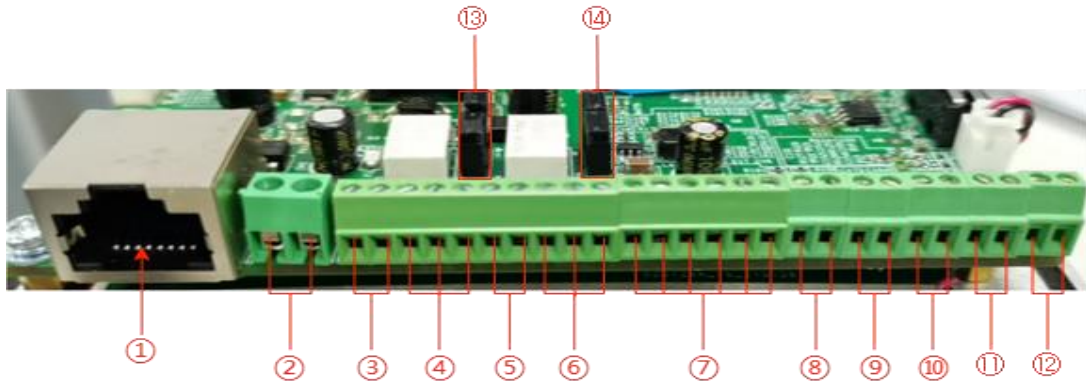
2 Physical Specifications

DP81 Device Dimension(L*W*H)	120*153*40 (mm)
DP82 Device Dimension(L*W*H)	120*200*40 (mm)
DP83 Device Dimension(L*W*H)	120*200*40 (mm)
DP85 Device Dimension(L*W*H)	120*200*40 (mm)
DP88 Device Dimension(L*W*H)	120*285*40 (mm)

2.1 Front Panel



2.2 Interface Description

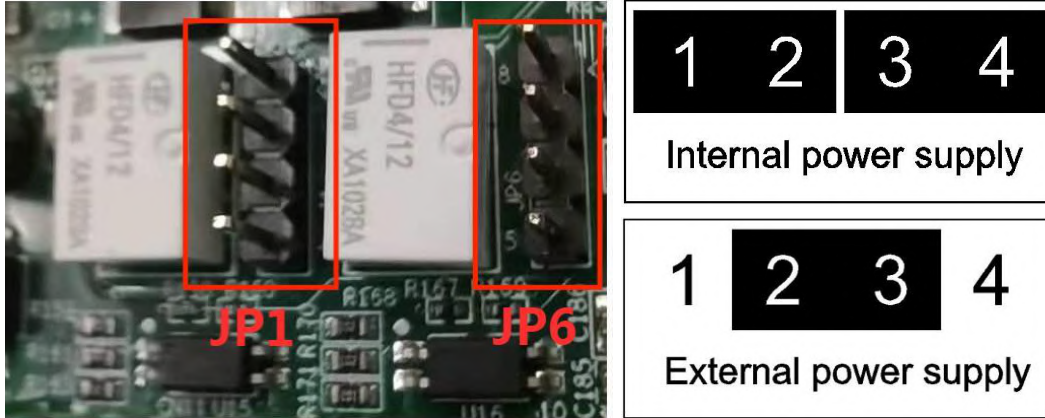


Number	Description
1	Ethernet interface: standard RJ45 interface, 10/100M adaptive, it is recommended to use five or five types of network cable
2	Power interface: 12V/1A input
3/5	Two sets of short-circuit input detection interfaces: for connecting switches, door magnets, vibration sensors and other input devices
4/6	Two sets of short-circuit output detection interfaces: for controlling the electric lock, alarm device, etc.
7	Wiegand interface
8/9	Two sets of door magnetic detection
10	Record output interface: to mix device voice and remote call voice, then release them together. One port is for record, another port is for GND
11	External active speaker interface: to realize audio power amplification. One is the audio signal line and the other is the bottom line. Note that the ground wire must be grounded, otherwise there will be noise
12	Audio Input: To connect an external audio signal
13	JP1 Jumper
14	JP2 Jumper

JP1、JP6 Jumper

There are two modes for power supply of electric-lock as shown in the picture below. (The default is "External power supply").

External power supply: When the electric-lock starting current is less than 12V/500mA, the device can use the internal drive mode, the electric lock interface is 12V DC output.



2.3 Wiring Instructions

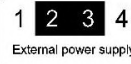
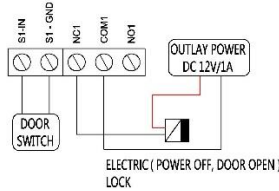
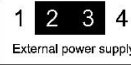
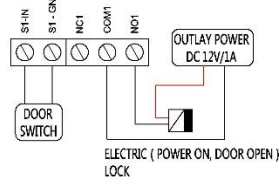
NO: Normal Open, idle status of the electric lock is opened

COM: COM1/COM2 interface


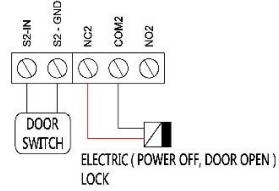
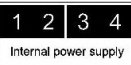
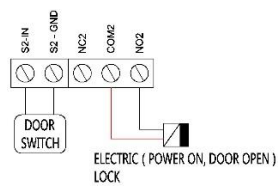
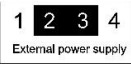
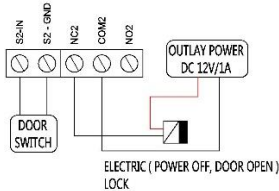
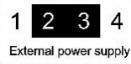
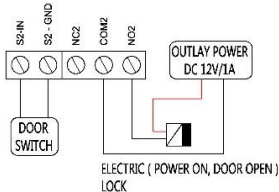
NC: Normal Closed, idle status of the electric lock is closed

JP1 Jumper

Power Supply Type		Electric Lock type		JP1 Jumper	Connections
Internal	External	Power off, door open	Power on, door open		
√		√			<p>ELECTRIC (POWER OFF, DOOR OPEN) LOCK</p>
√			√		<p>ELECTRIC (POWER ON, DOOR OPEN) LOCK</p>

	√	√		 <p>External power supply</p>	 <p>ELECTRIC (POWER OFF, DOOR OPEN) LOCK</p>
	√		√	 <p>External power supply</p>	 <p>ELECTRIC (POWER ON, DOOR OPEN) LOCK</p>

JP6 Jumper

Power Supply Type		Electric Lock type		JP6 Jumper	Connections
Internal	External	Power off, door open	Power on, door open		
√		√		 <p>Internal power supply</p>	 <p>ELECTRIC (POWER OFF, DOOR OPEN) LOCK</p>
√			√	 <p>Internal power supply</p>	 <p>ELECTRIC (POWER ON, DOOR OPEN) LOCK</p>
	√	√		 <p>External power supply</p>	 <p>ELECTRIC (POWER OFF, DOOR OPEN) LOCK</p>
	√		√	 <p>External power supply</p>	 <p>ELECTRIC (POWER ON, DOOR OPEN) LOCK</p>

3 Installation

3.1 Preparations

(1) Check the following contents

L-type screwdriver x 1

Slotted screwdriver x 1

KA4 X30 mm screws x 5

6×30mm expansion tube x 5

M3* 8mm screws x 2

(2) Tools that may be required

L-type screwdriver

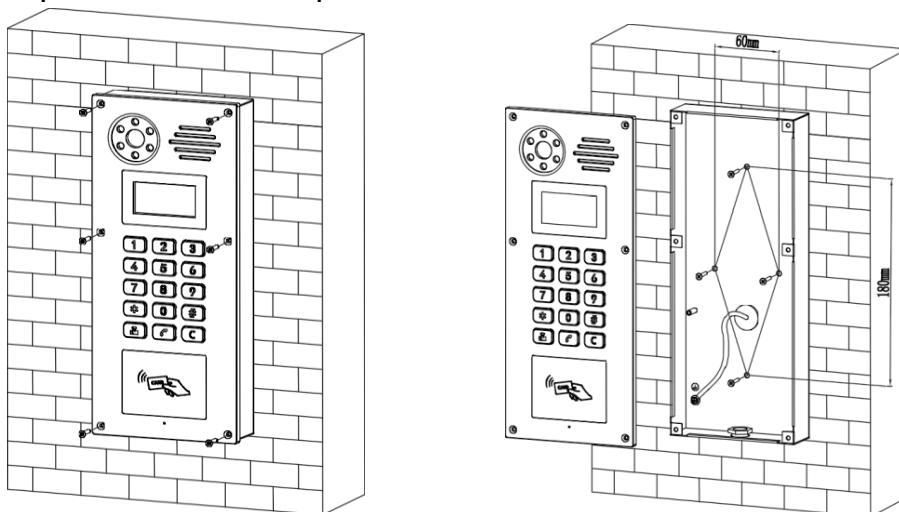
Screwdriver (Ph2 or Ph3), hammer, RJ45 crimper

Electric impact drill with a 6mm drill bit

3.2 Steps (Take DP88 for example)

(1) Drill four holes on the wall with a spacing of 60*180 mm for the frame installation, then insert a plastic expansion tube, and next use KA4*30 screws to tighten the back panel on the wall.

(2) Put the front panel to the frame. With 6 X M3*8mm screws. Tighten the front panel to the back panel on the wall.



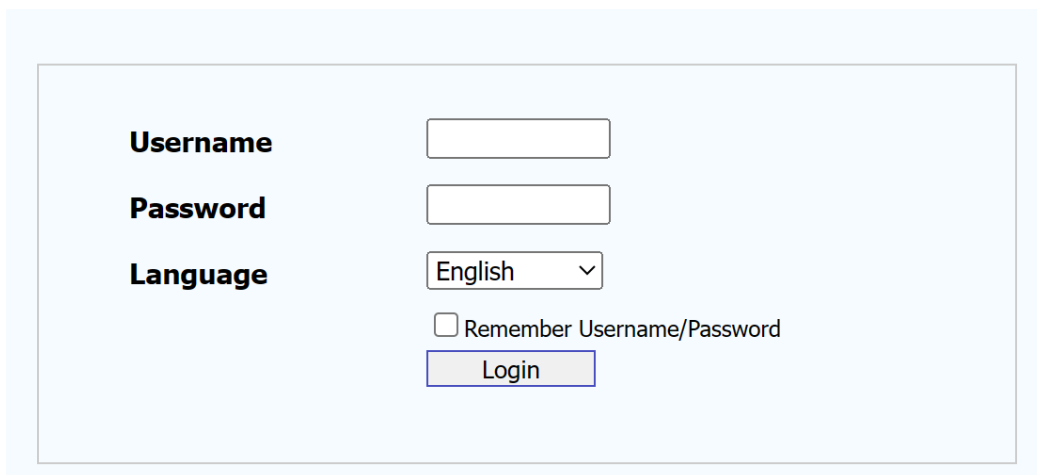
4 Obtaining the device IP address

After the device is powered on. By default, the device will get the IP address through DHCP. Press the DSS key for ten seconds on the DP81/82/83/85 access panel, the intercom will voice broadcast the IP address of the device. For DP88, enter "963*" on the device and press the dial key, the intercom will broadcast its IP address, and at the same time, the LCD will also show the corresponding IP address.

5 SIP Intercom Setting

5.1 Log in the Device Web GUI

Access the device by entering the device IP (e.g. <http://172.28.4.131>) through the browser, and the device login interface will open after logging in. The default user name of the interface is admin and the password is admin.



The screenshot displays a login form with the following elements:

- Username**: A text input field.
- Password**: A text input field.
- Language**: A dropdown menu currently set to "English".
- Remember Username/Password
- Login**: A button to submit the login information.

5.2 Add the SIP account

Configure the SIP account status, register name, username, password, and SIP server IP and port by assigning the SIP account on the server side respectively, and finally click the submit button.

The screenshot shows the DINSTAR web interface with the 'Account' tab selected. The 'SIP Account' section includes the following fields:

- Status: Disabled
- Account: Account1: 1001
- Active: Disabled
- Display Name: 1001
- Register Name: 1001
- Username: 1001
- Password: [Redacted]

The 'SIP Server 1' section includes the following fields:

- Server IP: 172.27.10.5
- Port: 5060
- Registration Expires: 1800 (30~65535s)

5.3 Set Door Access Parameters

Click "Equipment->Access" to set door access parameters. Including open door By DTMF Code, Access Card (RFID card & password) and HTTP (username & password of HTTP door open).

The screenshot shows the DINSTAR web interface with the 'Equipment' tab selected. The 'Open Door By DTMF Code' section includes the following fields:

- Active: Enabled
- Door 1: 1
- Door 2: 2
- All Doors: 3

The 'Identify Door Phone' section includes a 'Submit' button.

The 'Access Card' section includes the following fields:

- Door opening method: RFID
- Search By Name: [Text Input]
- Buttons: Search, Cancel

Below the 'Access Card' section is a table with the following columns: Index, Name, RFID, Type, Door Number, Register Time, Period, and a checkbox. The table contains three rows, all with empty cells and unchecked checkboxes.

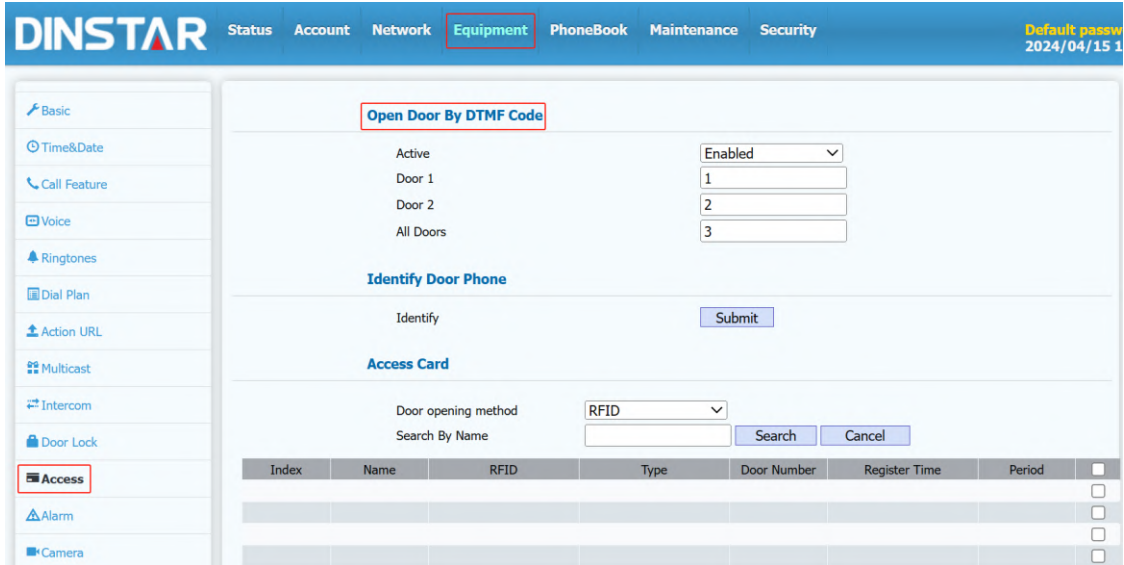
6 Door Open Setting

6.1 Open Door by DTMF Code

Click "Equipment->Access", select "Open Door by DTMF Code" to

enable this function, and set the DTMF code for opening the door;

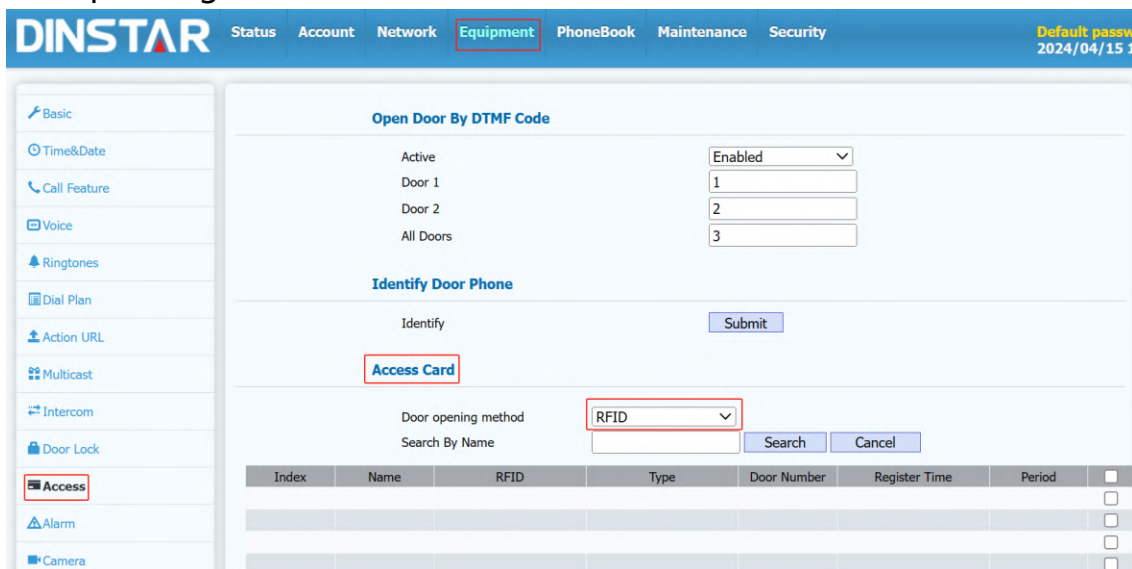
When the intercom calls the indoor monitor, during the call, the indoor monitor can send DTMF code to open the door.



6.2 Open Door by RFID Card (Only supported by DP82/DP85/DP88)

Click " Equipment->Access", select "Access Card", swipe a new card to the intercom, then refresh the web GUI, RFID card number will be displayed on GUI automatically. then click "add";

The door can be opened successfully by swiping the card with the corresponding door card.



6.3 Open Door By Password (Only supported by DP88)

Click " Equipment->Access", select "Access Card->password ", and add the correct password to open the door configuration;

Enter *password# on the DP88 panel to open the door.

The screenshot displays the Dinstar web interface for configuring door access. The top navigation bar includes 'Status', 'Account', 'Network', 'Equipment', 'PhoneBook', 'Maintenance', and 'Security'. The 'Equipment' menu is highlighted. The left sidebar contains various configuration options, with 'Access' selected. The main content area is titled 'Open Door By DTMF Code' and includes the following settings:

- Open Door By DTMF Code:**
 - Active: Enabled (dropdown)
 - Door 1: 1 (text input)
 - Door 2: 2 (text input)
 - All Doors: 3 (text input)
- Identify Door Phone:**
 - Identify: Submit (button)
 - Access Card** (selected)
 - Door opening method: Password (dropdown)
 - Search By Name: Search (button), Cancel (button)

At the bottom, there is a table with the following columns: Index, Name, Password, Type, Door Number, Register Time, and Period. The table contains three rows, each with a checkbox in the Period column.

Index	Name	Password	Type	Door Number	Register Time	Period	
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>