

DINSTAR DPA SIP Paging Gateway



DINSTAR DPA SIP Paging Gateway Installation Guide

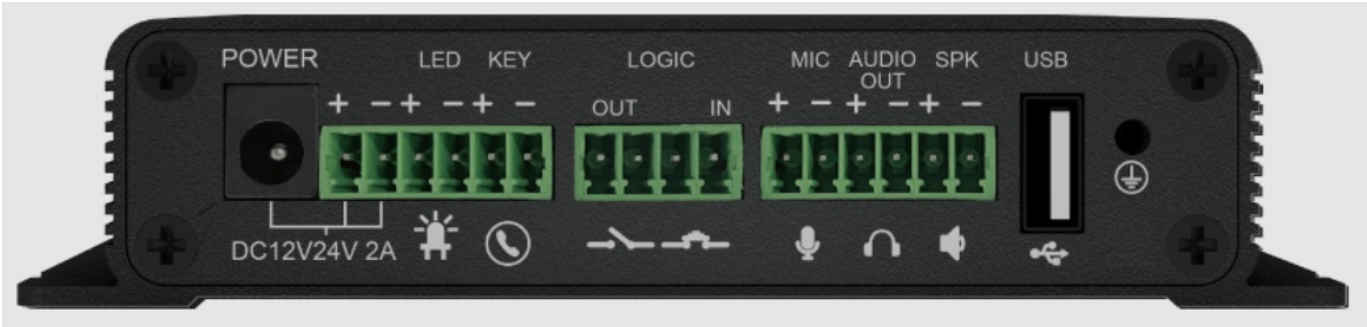
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DINSTAR DPA SIP Paging Gateway



Specifications

- **DPA Device Dimension(L*W*H):** 130.6*30*85mm

Front Panel

- **Ethernet interface:** Standard RJ45 interface, 10/100M adaptive
- **Camera network interface:** External webcam can be connected for video calls
- **Network status indication:** No flash: no network connection, Slow flash: normal network connection, Fast flash: SIP account registered successfully
- **External audio signal input:** Connect external background sound source
- **External recorder connection:** Output mixed signal of intercom sides
- **Volume control:** Change ring tone volume, control volume during calls
- **Restore default configuration:** Long press button
- **Power indicator**

Rear Panel

- Various ports including USB, microphone input, short circuit switch output, power socket, audio output, etc.
- **Grounding terminal:** Ground in case of sound interference
- **USB port:** For connecting USB devices

Product Usage Instructions

Installation

Preparations

Drill four holes on the wall with a spacing of 60*121 mm for frame installation. Insert plastic expansion tubes and use KA4*30 screws to mount the device securely.

Obtaining the device IP address

After powering on the device, it will obtain an IP address through DHCP by default. Press the speed dial key for ten seconds to hear the IP address announced by the device (speaker connection required).

DPA Configuration

Log in the Device Web GUI

Access the device by entering the IP address (e.g., <http://172.28.4.131>) in a browser. Log in using the default credentials: admin (username) and admin (password).

FAQ

Q: How can I reset the device to its default configuration?

A: Long press the reset button on the front panel to restore the default configuration.

DPA Quick Installation Guide


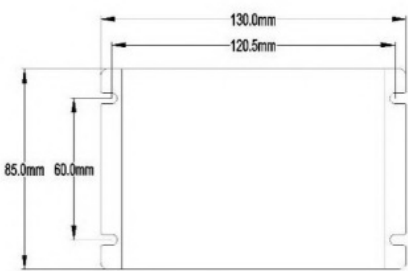
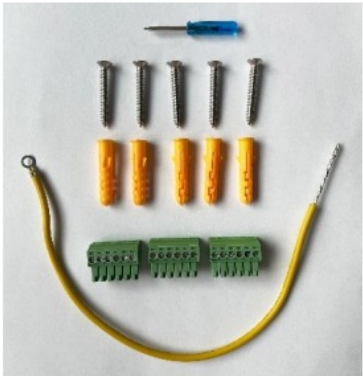
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DPA Quick Installation Guide

Packing List

DPA	Installation	Accessories
		

Physical Specifications

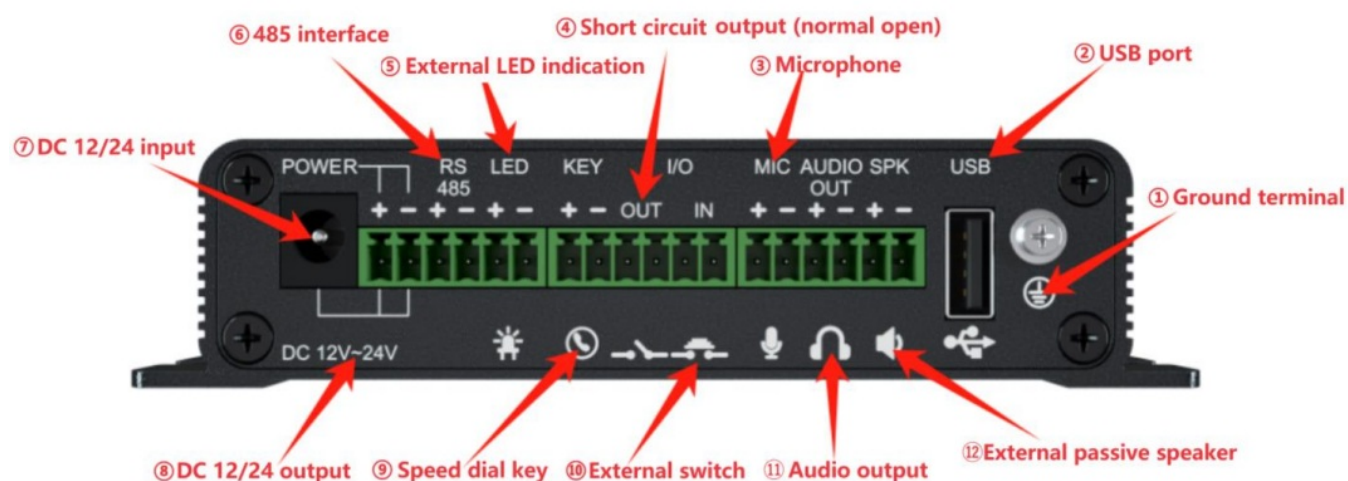
DPA Device Dimension(L*W*H)	130.6*30*85mm
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Front Panel



Number	Description
1	Ethernet interface: Standard RJ45 interface, 10/100M adaptive, it is recommended to use category five or super category five network cable
2	Camera network interface: external webcam can be connected to realize video call
3	Network status indication. No flash: no network connection. Slow flash: the network connection is normal. Fast flash: the SIP account has been registered successfully
4	External audio signal input, external background sound source can be connected
5	It can be connected to an external recorder to output the mixed signal of both sides of the intercom
6/8	Increase or decrease the volume. You can hear the change of ring tone in idle time. You can directly control the volume during a call
7	Long press to restore the default configuration of the device
9	Power indicator

Rear Panel



3	Microphone input port
4	Short circuit switch output interface (normal open)
5	External LED indication interface
6	RS485 for PTZ/camera control
7	Power socket, DC12V-24V
8	DC12V/24V output interface
9	Speed dial key interface
10	The external switch can be used to directly control the short-circuit output interface or the input interface of other security equipment
11	Audio output port, can also be externally connected to the power amplifier
12	The external passive speaker interface can be externally connected to a passive speaker. Maximum output power 36W (corresponding to DC24V DC input)

Installation

Preparations

1. Check the following contents

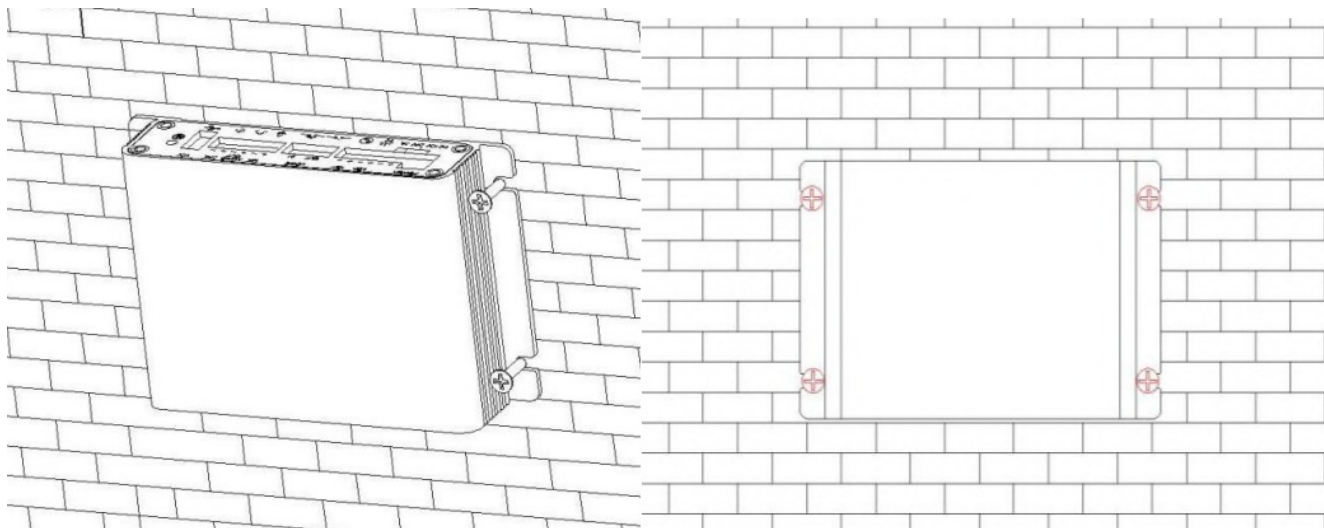
- Grounding line x 1
- Slotted screwdriver x 1
- KA4 X30 mm screws x 5
- 6×30mm expansion tube×5
- Phoenix terminal x3

2. Tools that may be required

- Screwdriver (Ph2 or Ph3), hammer, RJ45 crimper Electric impact drill with a 6mm drill bit

Steps

Drill four holes on the wall with a spacing of 60*121 mm for the frame installation, then insert a plastic expansion tube, and next use KA4*30 screws to tighten the device on the wall, as shown in the figure below.



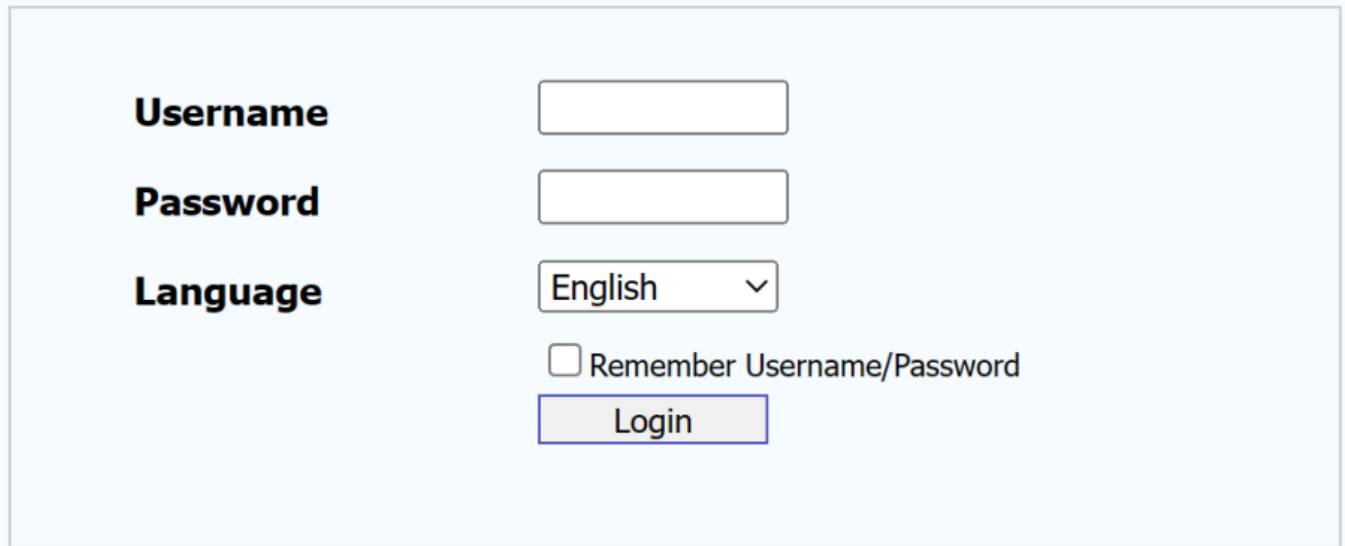
Obtaining the device IP address

After the device is powered on. By default, the device will get the IP address through DHCP. Press the speed dial key for ten seconds, the DPA will voice broadcast the IP address obtained by default DHCP mode. (Need to connect speaker)

DPA Configuration

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.

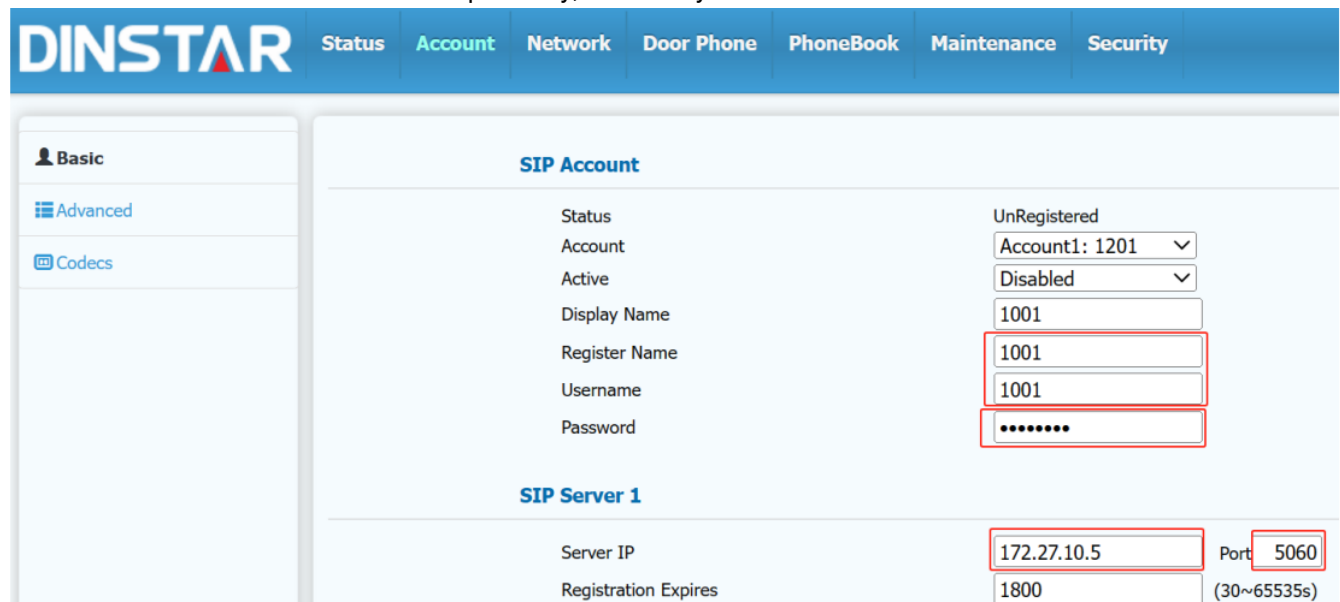


The login interface is a light blue form with the following fields and elements:

- Username:** A text input field.
- Password:** A text input field.
- Language:** A dropdown menu currently set to "English".
- ☐ Remember Username/Password
- Login:** A button with a blue border.

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 interface shows the "SIP Account" configuration page with a sidebar on the left containing "Basic", "Advanced", and "Codecs". The main area is divided into two sections:

SIP Account

Status	UnRegistered
Account	Account1: 1201
Active	Disabled
Display Name	1001
Register Name	1001
Username	1001
Password	*****

SIP Server 1

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

Set DPA Parameters

1. Set up speed dial

Click "Door Phone->Call Feature", users can set up to three numbers for the daytime call button. If the first number is not connected, the device will automatically dial the other numbers and then make call attempts in a

circular manner; and also can set up one call button for the nighttime call button, and the device will automatically select this number if the current time is night.

DINSTAR Status Account Network **Door Phone** PhoneBook Maintenance Security

Basic
Time&Date
Call Feature
Voice
Ringtones
Action URL
Multicast
Intercom
Door Lock
Access
Alarm
Camera
Time broadcast
Audio and video
Noise Detection

Timeout For Answer

Outgoing Call	<input type="text" value="60"/>	(30~120s)
Incoming Call	<input type="text" value="65"/>	(30~120s)

Hang Up After RTP Time Out

Time Out	<input type="text" value="10"/>	(5~60s)
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Call Button

Call Button Selection	<input type="text" value="1"/>	▼
Function Selection	<input type="text" value="dial+off hook+On"/>	▼
Dtmf Value	<input type="text"/>	▼
Call Key Light	<input type="text" value="Enabled"/>	▼
Call Button Day 1	<input type="text" value="101"/>	
Call Button Day 2	<input type="text"/>	
Call Button Day 3	<input type="text"/>	
Call Button Night	<input type="text" value="101"/>	
Round Robin Time Out	<input type="text" value="60"/>	(5~60s)

Day Night Setting

Day Start	Hour: <input type="text" value="9"/>	minutes: <input type="text" value="0"/>
Night Start	Hour: <input type="text" value="19"/>	minutes: <input type="text" value="0"/>

2. Configure the short circuit output switch

Click “Door Phone->Door Lock” to set the switch mode, there are two operating modes, monostable and bistable, and the switch closing time in monostable mode can be set.

DINSTAR

Status

Account

Network

Door Phone

PhoneBook

Maintenance

Security

Basic

Time&Date

Call Feature

Voice

Ringtones

Action URL

Multicast

Intercom

Door Lock

Access

Alarm

Camera

Time broadcast

Audio and video

Noise Detection

Auto Open Setting

Sip Register Fail

Line

Waiting Time

Network Connect Fail

Waiting Time

Led

Led Mode

Logic input

Logic input triggers a call

Trigger Condition

Switch Setting

trigger local broadcast

Dialing button triggers a call

Logic Out

Mode

Delay Time

Triggering Condition

Call

I/O In

Flash

Flash Time

Submit

Cancel

3. Control the short circuit output switch through DTMF

Click “Door Phone->Access” to set the open door by DTMF code, it can be controlled by the short circuit output switch through DTMF signal.

DINSTAR

Status

Account

Network

Door Phone

PhoneBook

Maintenance

Security

Basic

Time&Date

Call Feature

Voice

Ringtones

Action URL

Multicast

Intercom

Door Lock

Access

Alarm

Camera

Time broadcast

Audio and video

Noise Detection

Open Door By DTMF Code

Active

Enabled

Door

1

Control PTZ by DTMF code

PTZ protocol

PELCO-D

PTZ baud rate

2400

PTZ address code

1

(The range of PTZ address code is 0 ~ 255)

turn left

4

turn right

6

turn up

2

turn down

8

Stop spinning

0

Identify Door Phone

Identify

Submit

Open Relay Via HTTP

Active

Enabled

Username

admin

Password

Door Lock Control

Door Lock

1

Action

Open

Open Mode

Once

Execute

Submit

Cancel

Documents / Resources

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References

- [D VoIP Gateway | IP PBX | IP Phone Session Border Controller SIP Intercom DINSTAR](#)
- [D VoIP Gateway | IP PBX | IP Phone Session Border Controller SIP Intercom DINSTAR](#)
- [User Manual](#)

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