



## DPA Quick Installation Guide

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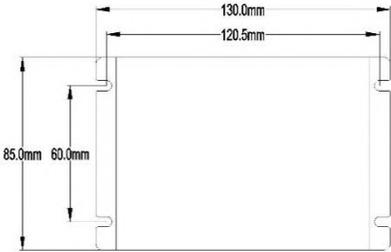
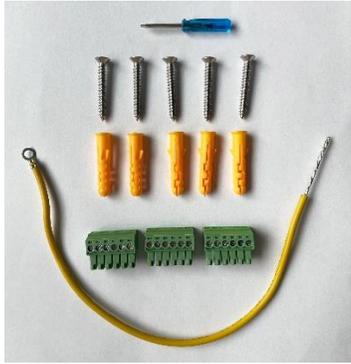
**Website: [www.dinstar.com](http://www.dinstar.com)**

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# DPA Quick Installation Guide

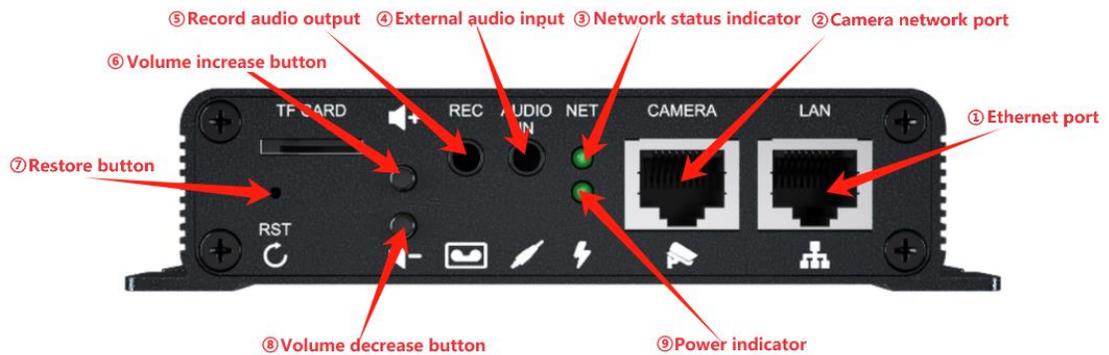
## 1 Packing List

DPA	Installation	Accessories
		

## 2 Physical Specifications

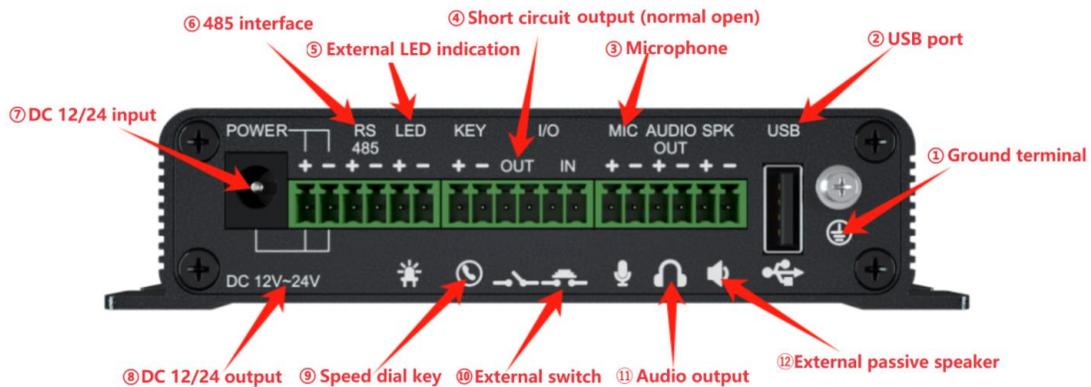
DPA Device Dimension(L*W*H)	130.6*30*85mm
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### 2.1 Front Panel



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

## 2.2 Rear Panel



Number	Description
1	The grounding terminal shall be grounded in case of sound interference
2	USB port, which can be connected to USB flash disk, USB keyboard, 4G dongle, etc

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)

## 3 Installation

### 3.1 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 ×3

#### (2) Tools that may be required

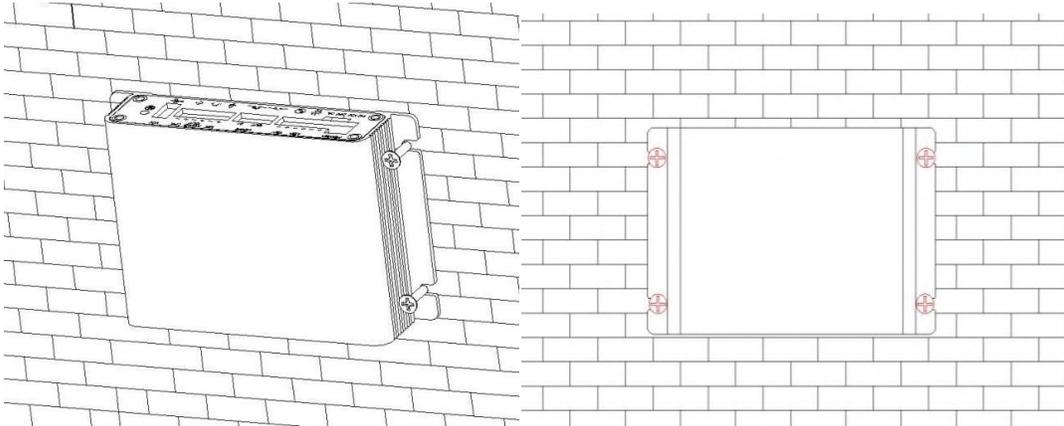
Screwdriver (Ph2 or Ph3), hammer, RJ45 crimper

Electric impact drill with a 6mm drill bit

### 3.2 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.



## 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 speed dial key for ten seconds, the DPA will voice broadcast the IP address obtained by default DHCP mode. (Need to connect speaker)

## 5 DPA Configuration

### 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.

<b>Username</b>	<input type="text"/>
<b>Password</b>	<input type="password"/>
<b>Language</b>	English <input type="button" value="v"/>
	<input type="checkbox"/> Remember Username/Password
	<input type="button" value="Login"/>

## 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: UnRegistered
- Account: Account1: 1201
- Active: Disabled
- Display Name: 1001
- Register Name: 1001
- Username: 1001
- Password: ••••••

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 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.

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### Auto Open Setting

Sip Register Fail	Enabled	▼
Line	All	▼
Waiting Time	180	(1~3600s)
Network Connect Fail	Disabled	▼
Waiting Time	180	(1~3600s)

### led

Led Mode	always light	▼
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### Logic input

Logic input triggers a call	101	Account 2	▼
Trigger Condition	Short Circuit Trigg	▼	
Switch Setting	Switch On	▼	
trigger local broadcast	Disabled	▼	
Dialing button triggers a call		Account 1	▼

### Logic Out

Mode	Monostable	▼
Delay Time	2	(1~600s)
Triggering Condition	<input type="checkbox"/> Call	
	<input checked="" type="checkbox"/> I/O In	
Flash	Fast	▼
Flash Time	5	(1~600s)

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.

- 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   
Door

**Control PTZ by DTMF code**

PTZ protocol   
PTZ baud rate   
PTZ address code  (The range of PTZ address code is 0 ~ 255)  
turn left   
turn right   
turn up   
turn down   
Stop spinning

**Identify Door Phone**

Identify

**Open Relay Via HTTP**

Active   
Username   
Password

**Door Lock Control**

Door Lock   
Action   
Open Mode