



DINSTAR DAG1000 Series Analog VoIP Gateway Installation Guide

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DINSTAR DAG1000 Series Analog VoIP Gateway



Product Information

The Dinstar Gateway is a telecommunications device that allows for the connection of telephone lines to an IP network. It comes in three models: DAG1000-1S, DAG1000-2S, and DAG1000-4S. Each model has different port configurations to suit various needs.

Installation Attentions

- To reduce interference with telephone calls, it's recommended to place telephone lines away from power cables.
- The power adapter of the gateway accepts a DC input voltage of 12v. Please ensure a safe and stable power supply.
- Ensure there is enough network bandwidth to guarantee stabilized running of the gateway.
- Install the gateway in an equipment room with appropriate temperature and humidity to avoid malfunction.
- Avoid overheating by not piling up the gateway with other devices and ensuring it has good ventilation around.
- Place the gateway steadily to avoid damage. It's advised to horizontally place the gateway on a flat surface or a cabinet.

Product Usage Instructions

Modify PC's IP Address

To log in to the Web Management System of the gateway, you need to modify the IP address of the PC used to access the gateway to be in the same network segment.

1. On the PC, click 'Network (or Ethernet) Properties'.
2. Double-click 'Internet Protocol Version 4 (TCP/IPv4)'.
3. Select 'Use the following IP address' and enter an available IP address '192.168.11.XXX' that is in the same network segment as '192.168.11.1'.

Log in Web Management System

To access the Web Management System, open a web browser and enter the gateway's IP address (default IP is 192.168.11.1). Then, input the username and password (both default as admin) in the displayed login GUI.

Modify Gateway's IP Address

If you want to modify the IP address of DAG1000-1S/2S/4S, follow these steps:

1. Click 'Network > Local Network' in the navigation tree on the left of the Web Management System.
2. Input the new IP address and DNS server address on the displayed interface.

Models and Ports

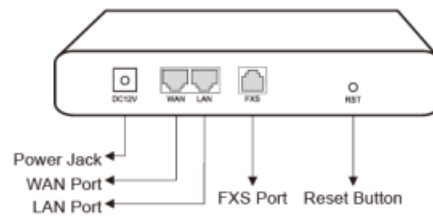
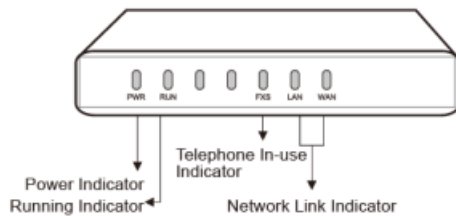
Port Type Gateway	WAN	LAN	FXS
DAG1000-1S	1	1	1
DAG1000-2S	1	1	2
DAG1000-4S	1	1	4

Description of Indicators

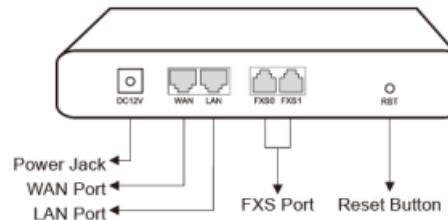
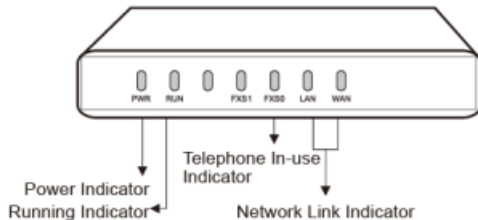
Indicator	Definition	Status	Description
PWR	Power Indicator	On	The gateway is powered on
		Off	The gateway is powered off or there is no power supply
RUN	Running Indicator	Slow Flashing	The gateway is running properly
		Fast Flashing	If there is a SIP account registered successfully, the indicator is fast flashing.
		Off	The gateway is running improperly
FXS	Telephone In-use Indicator	On	FXS port is currently occupied by a call
		Off	FXS port is idle or faulty.
WAN/LAN	Network Link Indicator	Green Flashing	The gateway is properly connected to network
		Off	The gateway is not connected to network or network connection is improper way.
	Network Speed Indicator	On	Work at 100Mbps
		Off	Work at 10Mbps

Indicators and Ports

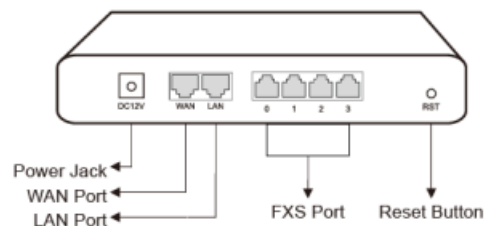
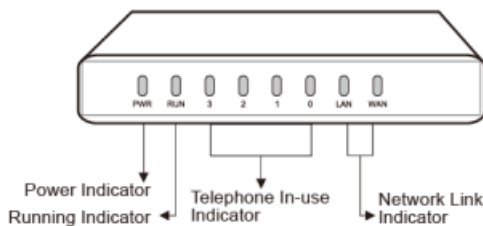
DAG1000-1S



DAG1000-2S



DAG1000-4S

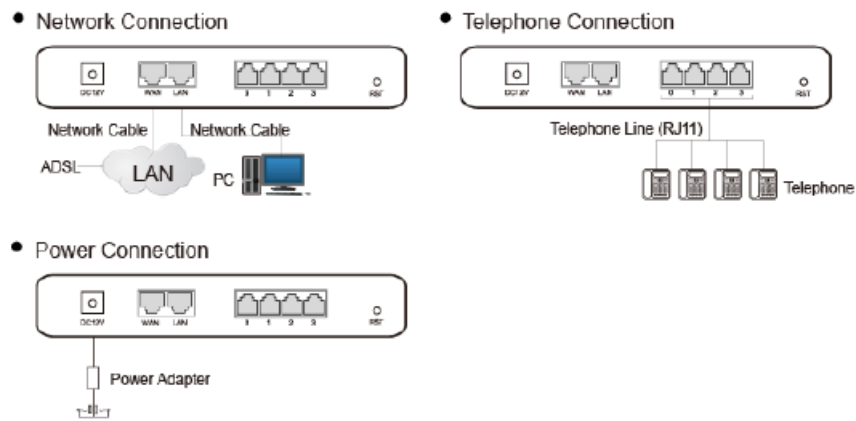


Installation Attentions

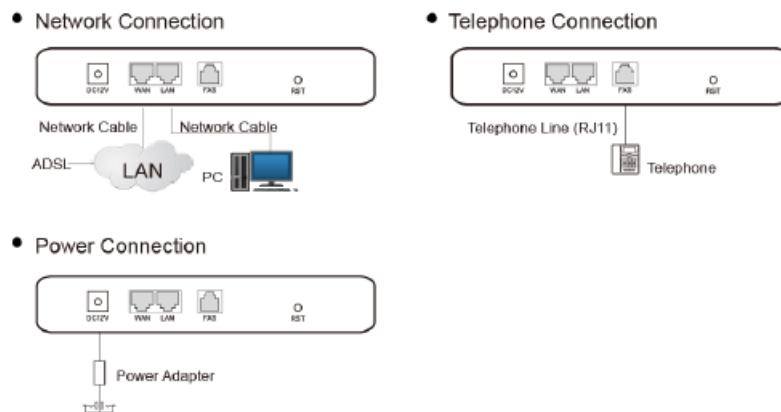
- **Anti-jamming:** to reduce the interference with telephone calls, it's highly recommended that telephone lines connected to the gateway should be placed away from power cables.
- **Power supply:** the power adapter of the gateway accepts DC input voltage of 12v. Please ensure safe and stable power supply.
- **Network bandwidth:** please ensure there is enough network bandwidth so as to guarantee stabilized running of the gateway.
- **Temperature and humidity:** to avoid any accident that might cause malfunction, it's advised to install the gateway in an equipment room where temperature and humidity are appropriate.
- **Ventilation** to avoid overheating, please do not pile up the gateway with other devices and make sure the gateway has good ventilation around.
- **Mechanical load** please make sure the gateway is placed steadily to avoid damage. It's highly advised to horizontally place the gateway on a flat surface or a cabinet.

Installation Instructions

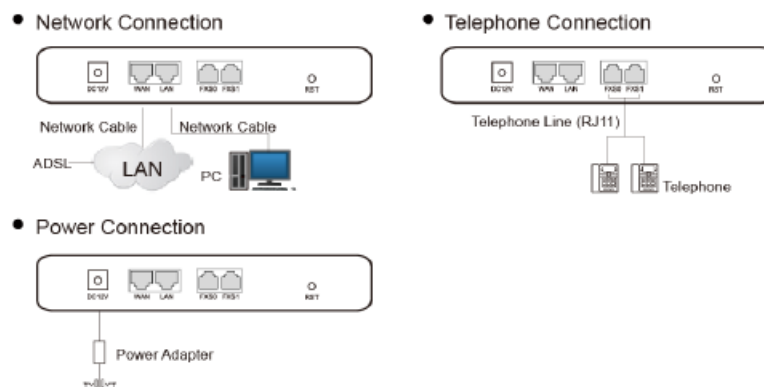
- Connection Diagram for DAG1000-1S



- Connection Diagram for DAG1000-2S



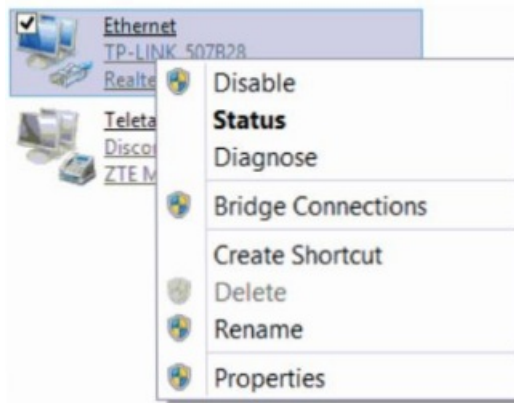
- Connection Diagram for DAG1000-4S



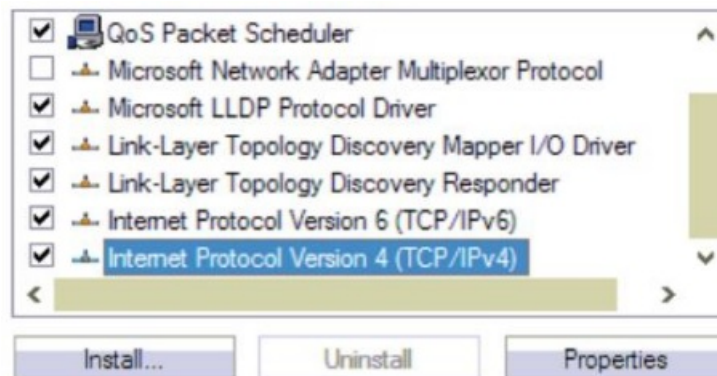
Modify PC's IP Address

To log in the Web Management System of the gateway, firstly, you need to modify the IP address of PC which is used to access the gateway and to make it at the same network segment with the gateway.

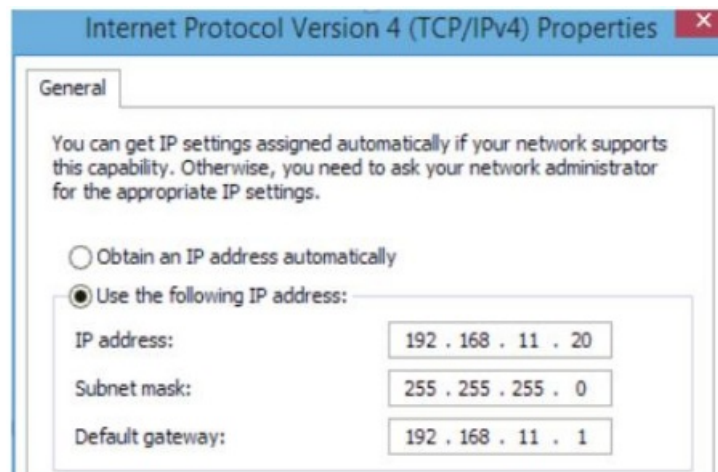
1. On the PC, click 'Network (or Ethernet) → Properties'.



2. Double-click 'Internet Protocol Version 4 (TCP/IPv4)'.



3. Select 'Use the following IP address', and then enter an available IP address '192.168.11.XXX' which is at the same network segment with '192.168.11.1'.



Log in Web Management System

Open a web browser and enter the gateway's IP address (default IP is 192.168.11.1). Then, input username and password in the displayed login GUI. Both the default username and password are admin.

Modify Gateway's IP Address

If you want to modify the IP address of DAG1000-1S/2S/4S, please click 'Network → Local Network' in the navigation tree on the left of the Web Management System, and then input new IP address and DNS server address on the displayed interface.

Configure SIP Server

Log in the Web Management System of the gateway, and then click SIP Server in the navigation tree and then enter the address of the SIP server which is to be registered. Click Save in the last.

SIP Server

Primary SIP Server

Primary SIP Server Address: 172.16.95.110

Primary SIP Server Port (Default: 5060): 5060

Registration Expires (Default: 1800): 1800 s

Heartbeat: ☒ Enable

Click Port in the navigation tree on the left, and then click Add. Input the SIP account and authentication password assigned by the SIP server.

Port Add

Port: 1

Disable Port: ☐

Registration: ☒ Enable

Primary Display Name: Bob

Primary SIP User ID: 10001

Primary Authenticate ID: 12345

Primary Authenticate Password: 12345

Secondary Display Name:

Secondary SIP User ID:

Secondary Authenticate ID:

Secondary Authenticate Password:

Click Save and then restart the gateway for the new configurations to take effect.

Basic Operations

- Dial *158# to query the IP address of LAN port of the gateway
- Dial *159# to query the IP address of WAN port of the gateway
- Dial *114# to query the telephone number of a FXS port;
- Dial *165*000000# to restore default IP address, user name and password;
- Restore factory default settings:
 - dial *166*000000#
 - press the RST button for 7 seconds
 - Log in the gateway and then click 'Tools → Factory Reset', then click Apply and restart the gateway.
- Dial *111# to restart the gateway.

More Details

This document only provides instructions for quick installation and basic configuration, for detailed configuration and parameter explanation, please make reference to user manual or ask for online technical support.



Website: <https://www.dinstar.com>

Documents / Resources

<div><div>Quick Installation Guide</div><div>DAG1000-1S DAG1000-2S DAG1000-4S</div><div><div>Download Quick Installation Guide</div><div>Download Quick Installation Guide</div><div>Download Quick Installation Guide</div><div>Download Quick Installation Guide</div></div></div>	<div><div>DINSTAR DAG1000 Series Analog VoIP Gateway [pdf] Installation Guide</div><div>1S, 2S, 4S, DAG1000 Series Analog VoIP Gateway, DAG1000 Series, DAG1000 Series VoIP Gateway, Analog VoIP Gateway, VoIP Gateway, Analog Gateway, Gateway</div></div>
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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](#)
- [D VoIP Gateway | IP PBX | IP Phone Session Border Controller SIP Intercom DINSTAR](#)