

Quick Installation Guide

DVG-N5402SP

VoIP Router

Check Your Package Contents



DVG-N5402SP
VoIP Router



Ether (CAT5 UTP)
Cable



12VDC, 2A Power
Adapter



Using a power adapter with a different voltage rating will damage this product and void the warranty.

1

Hardware Overview

Front Panel



Power: A steady green light indicates a proper connection to a power source. A red light indicates the power-on self test fails or the device is malfunction.

Prov/Alm: A blinking light indicates the VoIP Router can not register with SIP Server or can not get the IP address. A blinking light also indicates the VoIP Router is attempting to connect with the Provisioning server. Once the service connects, the LED will turn off. The LED will light solid red if the self-test or boot-up fails.

Register: The Register LED will turn on and continuously working when the VoIP Router is connected to a VoIP service provider. The LED will flash if not connected to a service provider.

WLAN: A steady light indicates a wireless connection. A blinking light indicates that the VoIP Router is receiving or transmitting from or to the wireless network.

WAN: When a connection is established the LED will light up solid. The LED will blink to indicate the activity. If the LED does not light up when a cable is connected, verify the cable connections and ensure that your devices are powered on.

LAN: When a connection is established the LED will light up solid on the appropriate port. The LEDs will blink to indicate the activity. If the LED does not light up when a cable is connected, verify the cable connections and ensure that your devices are powered on.

USB: When a connection is established the LED will light up solid. The LED will blink to indicate the activity. If the LED does not light up when a USB device is connected, verify the USB connection and ensure that the devices are powered on.

Phone: This LED displays the VoIP status and hook or ringing activity on the phone port that is used to connect your normal telephone(s). If a phone connected to a phone port is off the hook or in use, this LED will light solid. When a phone is ringing, the indicator will blink.

Line: Light on means the line is in use (off-hook), and vice versa.

WPS: When a WPS negotiation is established the LED will light up solid. The LED will blink to indicate the activity. If the LED does not light up when the WPS negotiation is failed or is not established.

1

Hardware Overview (continued)

Rear Panel



1. **Antenna:** Connect to a wireless network.
2. **Phone Port (1-2):** Connect to your phones using standard phone cabling (RJ-11).
3. **USB:** USB host 2.0 port, for connecting to another USB device to supply some value-added application.
4. **LAN:** Connect to your Ethernet enabled computers using Ethernet cabling.
5. **WAN:** Connect to your broadband modem using an Ethernet cable.
6. **Power Receptor:** Receptor for the provided power adapter.

2

Installing the Hardware

A. Insert one end of the Ethernet cable into the Ethernet (LAN) port on the back panel of the DVG-N5402SP and the other end of the cable to an Ethernet Adapter or available Ethernet port on your computer.



B. Insert one end of the Ethernet cable into the WAN port on the back of the DVG-N5402SP and the specify port of the ONT or the LAN port of your router.



C. Insert a telephone cable into the Phone port, and then connect the cable to your telephone.



2

Installing the Hardware (continued)

- D. Connect the power adapter to the power input at the back panel of the DVG-N5402SP and then plug the other end of the power adapter to a wall outlet or power strip. On the front of the device, the Power LED will turn On to indicate proper operation.

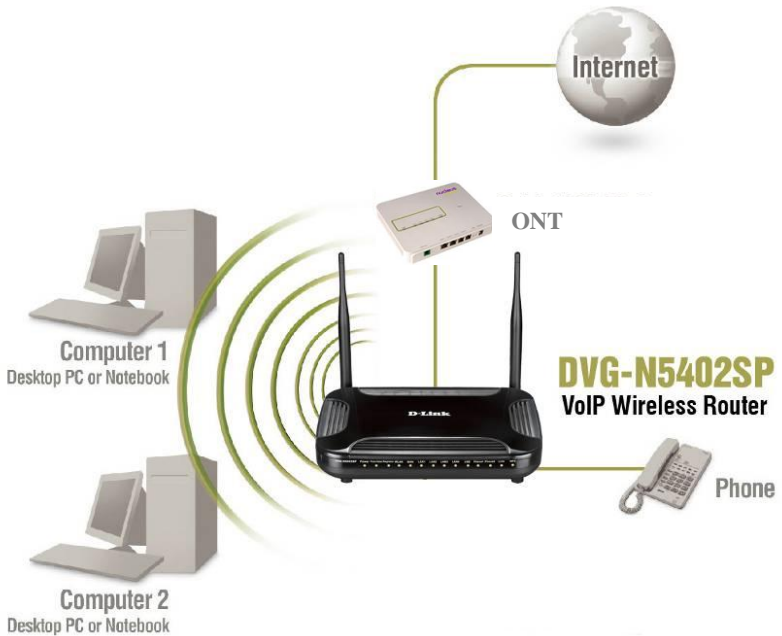


- E. Check the LED display on the front of the VoIP Wireless Router to confirm that the connections have been made.

2

Installing the Hardware (continued)

After the installations are completed, your network should look similar to the diagram below.

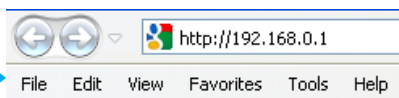


Hardware configuration is complete! If your VoIP service is already activated, you can make phone calls now.

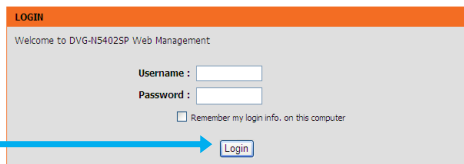
3 Configuration

To access the web-based configuration utility, open a web browser such as Internet Explorer and enter the IP address of the DVG-N5402SP.

Open your Web browser and type <http://192.168.0.1> into the URL address box. Press the Enter or Return Key.



Click **Login** to enter Web Site. The default username and password: admin/password



3 Configuration (continued)

The username of **ADMIN** and **USER** have been defined and locked by default. It is highly recommended to create a login password to keep your router secure.

Click **Apply**.

MAINTENANCE → Device Management

ACCOUNT PASSWORD

It is highly recommended that you create a password to keep your router secure.

ACCOUNT PASSWORD

Current Password :

New Password :

Confirm Password :

By Default, the wireless SSID will be “**DVG-N5402SP-XXXXXX**”
And “**XXXXXX**” will be the last 6 digits of your MAC address located below the device.



3

Configuration (continued)

Enter the SSID to name your own wireless network. All devices must have the same SSID to communicate on the wireless network. Select a wireless channel. Select the 802.11 Mode of your network which can work in different speed of wireless connection.

Click **Apply**.

SETUP → Wireless Setup → Wireless Basic

WIRELESS NETWORK SETTINGS

Enable Wireless LAN Interface

Wireless Network Name (SSID) : DVG-N5402SP-000000

Visibility Status : Visible Invisible

Country : Singapore

802.11 Mode : Mixed 802.11b/g/n

Band Width : 40M Plus

Wireless Channel : Auto Scan(recommended)

User Isolation : Off

Please take note of your SSID as you will need to duplicate the same settings to your wireless devices and PC.

Apply Cancel



By default, there are **no** wireless securities but by changing to **WPA/WPA2 Mixed**, the Pre-Shared Key will be the **serial number** of your router.

Select your wireless security modes: **None, WEP, WPA only, WPA2 only or WPA/WPA2 Mixed** for your wireless network.

Click **Apply**

SETUP → Wireless Setup → Wireless Security

WIRELESS SECURITY MODE

To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA-PSK, and WPA. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-PSK does not require an authentication server. The WPA option requires an external RADIUS server.

Wireless Security Mode : WPA/WP2 Mixed

WPA / WPA2 MIX

Use **WPA** or **WPA2** mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use **WPA2 Only** mode. This mode uses AES(COMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use **WPA Only**. This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode.

To achieve better wireless performance use **WPA2 Only** security mode (or in other words AES cipher).

WPA-PSK does not require an authentication server. The WPA option requires an external RADIUS server.

WPA Mode : WPA/WPA2 Mixed-Personal

Encryption Mode : TKIP AES Both

Group Key Update Interval : 100 (60 - 65535)

PRE-SHARED KEY

Pre-Shared Key : PK1D1AC000021 (ASCII < 64, HEX = 64)

Apply Cancel

Technical Support

You can find software updates and user documentation/manual on the D-Link website.

Tech Support for customers within Singapore:

D-Link Technical Support over the Telephone:

Service Centre Hotline: (65) 6774 6233 [Press 1]
24x7 Technical Support Hotline: (65) 6501 4200

D-Link Technical Support over the Internet:

www.dlink.com.sg/support/
email: support@dlink.com.sg

D-Link[®]
Building Networks for People