D-Link
Quick Installation Guide

This product can be set up using any current web browser, i.e., Internet Explorer 6 or Netscape Navigator 6.2.3.

DVG-2101SP
VoIP Telephone Adapter

Before You Begin

1. If you purchased this VoIP Telephone Adapter to share your high-speed Internet connection with other computers, you must have an established Internet account from an Internet Service Provider (ISP).
2. It's best to use the same computer that is connected to your router for configuring the DVG-2101SP VoIP Telephone Adapter. The DVG-2101SP acts as a DHCP Client and will be assigned all the necessary IP address information from your network. See the Quick Installation Guide or the Manual on the CD-ROM for setting each network adapter to automatically obtain an IP address.

Check Your Package Contents

D-Link DVG-2101SP VoIP Telephone Adapter

CD-ROM (containing Manual and Q.I.G.)

Ethernet Cable

Phone Cable

12V, 1.5A Power Adapter

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

Quick Installation Guide

If any of the above items are missing, please contact your reseller.

1 **Hardware Overview**
Front Panel

Register LED
This LED will light solid if the phone account successes with register. This LED will flash during registering and light off if register fails.

Phone LED
This LED will light when a telephone is off the hook. A blinking LED indicates an incoming call is detected and a slow blinking LED indicates a message is waiting. This LED will light off if a phone connected to the phone port is on hook.

Power LED
This LED will light solid if the device finish self-test / bootup. This LED will flash during device self-test / booting and light off if self-test fails.

DVG-2101SP

Power   Register   Phone

Provision   WAN   Line

Provision LED
This LED will light solid if the device success with provisioning. This LED will flash during provisioning and light off if provisioning fails.

WAN LED
This LED will light solid when a connection is established and blink to indicate activity.

Line LED
This LED will light solid when a connection is established and blink to indicate activity.
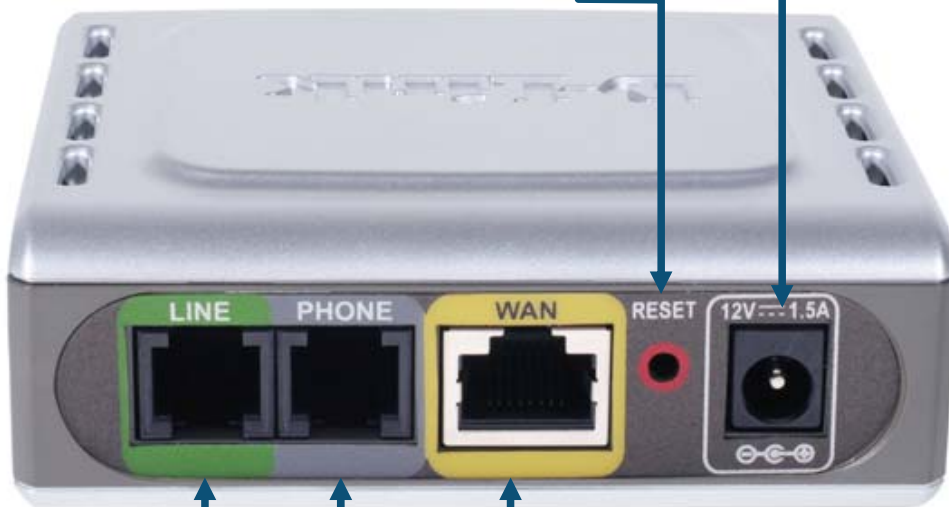
Rear Panel

Reset Button
Using a paper clip to
1. Press 1-2 seconds will enable IVR.
2. Press 4-6 seconds will reset this unit.
3. Press 8-10 seconds will restore this unit's factory default settings.

Power Receptor
Connects to the provided power adapter.

Line Port
Connects to the PSTN line outlet using standard phone cabling (RJ-11).

WAN Port
Connects to your broadband modem using an Ethernet cable.

Phone Port
Connects to your phones using standard phone cabling (RJ-11).

2 Configure IP Settings
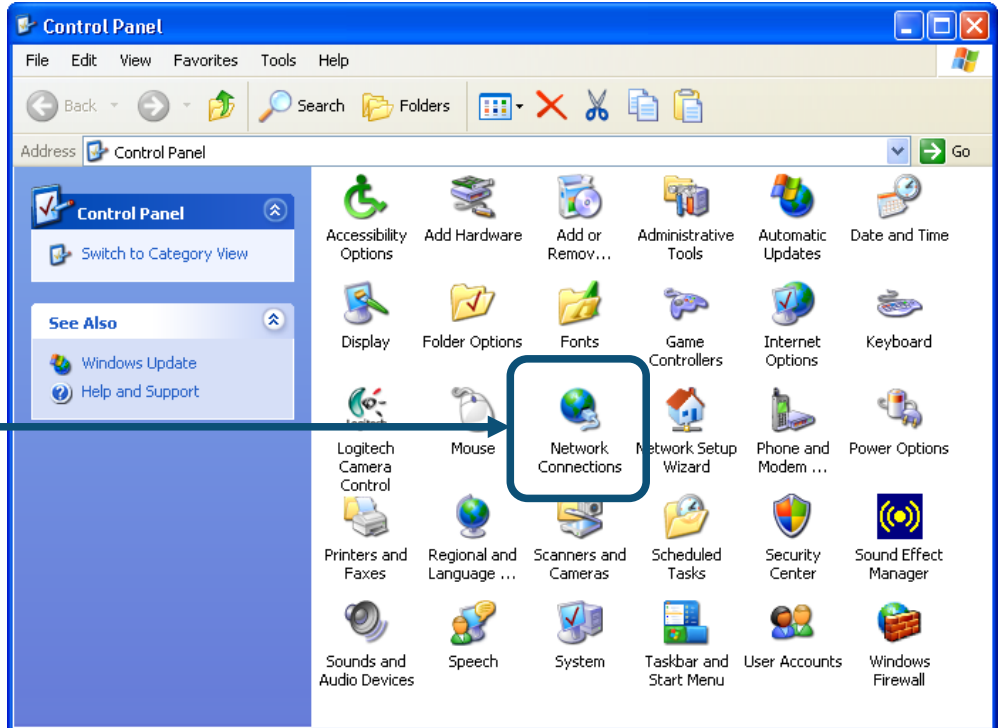
To connect to the network, make sure the network adapter in your computer is configured properly. Here's how to assign a static IP address to your PC.
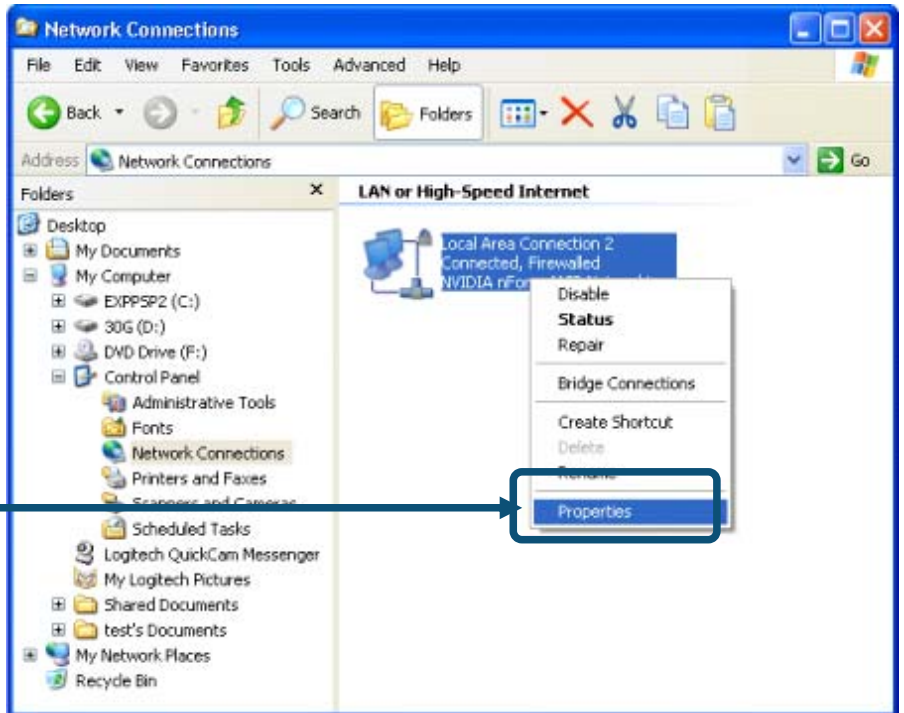
Go to **Start** > click **Control Panel** > click on the **Network Connections** icon.

Click on the **Network Connections** icon.

Right-click the Local Area Connection icon, and then select **Properties**.
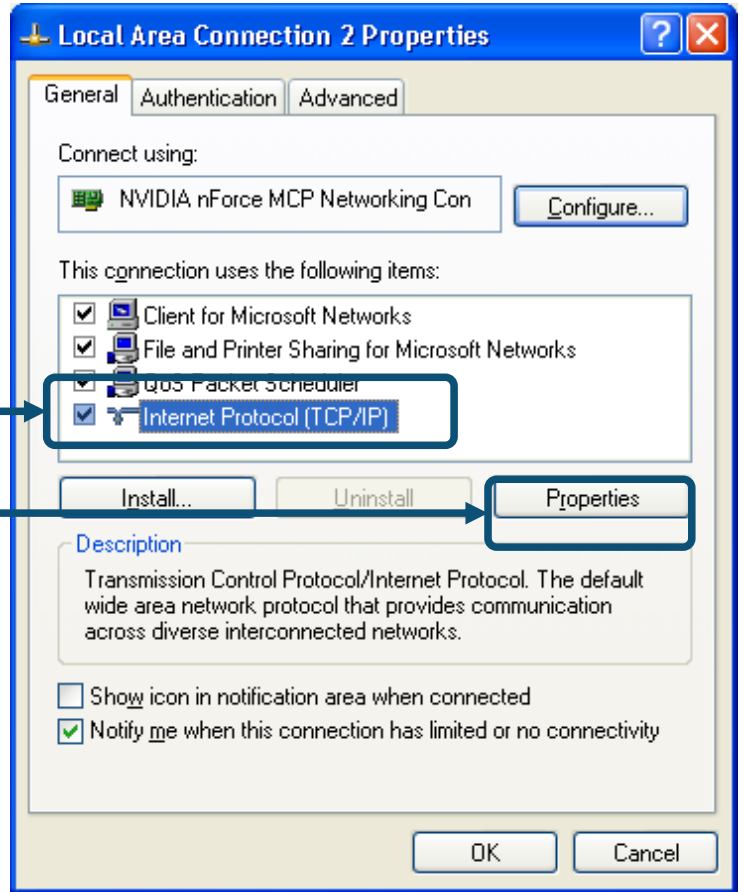
Select **Properties**.

4

The dialog box displays a list of currently installed network items.
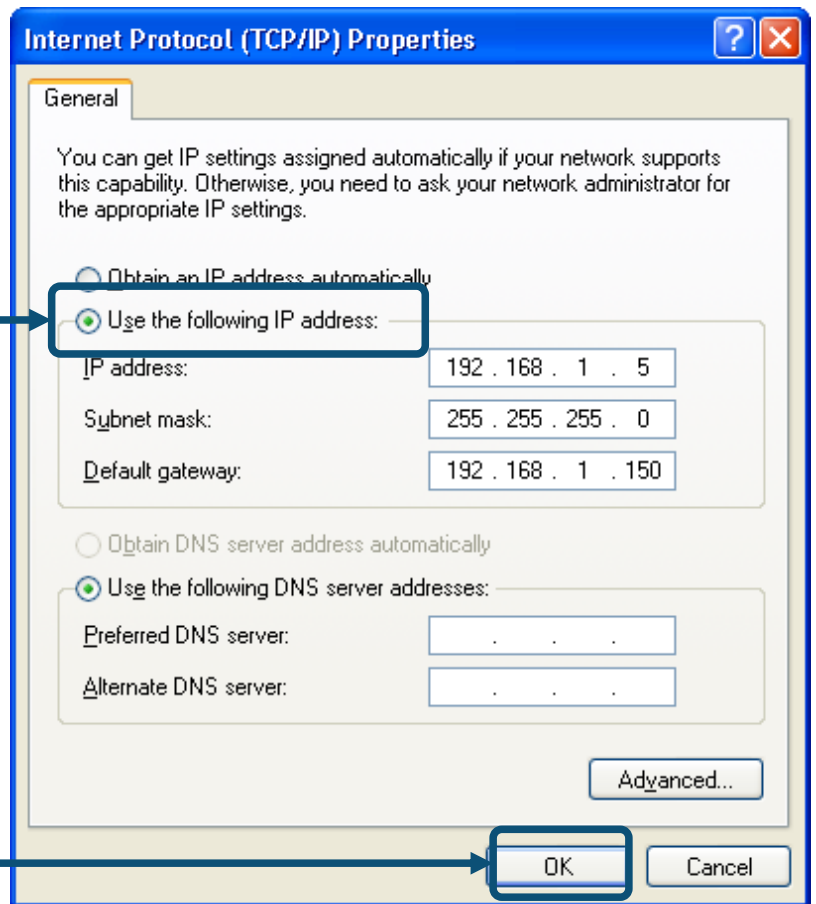
Click **Internet Protocol (TCP/IP)**.

Select **Properties**.

Local Area Connection 2 Properties

General | Authentication | Advanced

Connect using:

NVIDIA nForce MCP Networking Con   [Configure...]

This connection uses the following items:

☑ 🖳 Client for Microsoft Networks
☑ 🖳 File and Printer Sharing for Microsoft Networks
☑ 🖳 QoS Packet Scheduler
☑ 🔧 Internet Protocol (TCP/IP)

[Install...]   [Uninstall]   [Properties]

Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

☐ Show icon in notification area when connected
☑ Notify me when this connection has limited or no connectivity

[OK]   [Cancel]

Make the choice to get the IP address assigned manually.

Select **Use the following IP address** to get the IP settings assigned manually.

Click **OK**.

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
⦿ Use the following IP address:

IP address: 192 . 168 . 1 . 5
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 1 . 150

○ Obtain DNS server address automatically
⦿ Use the following DNS server addresses:

Preferred DNS server: .   .   .
Alternate DNS server: .   .   .

[Advanced...]

[OK]   [Cancel]

③ Initial Web Configuration

If your computer connects directly to a DSL or Cable modem and does not connect to a router, follow the steps below to install your DVG-2101SP. For any other configuration, please refer to the user manual located on the CD-ROM. After the steps are completed, your setup should look similar to the diagram below.
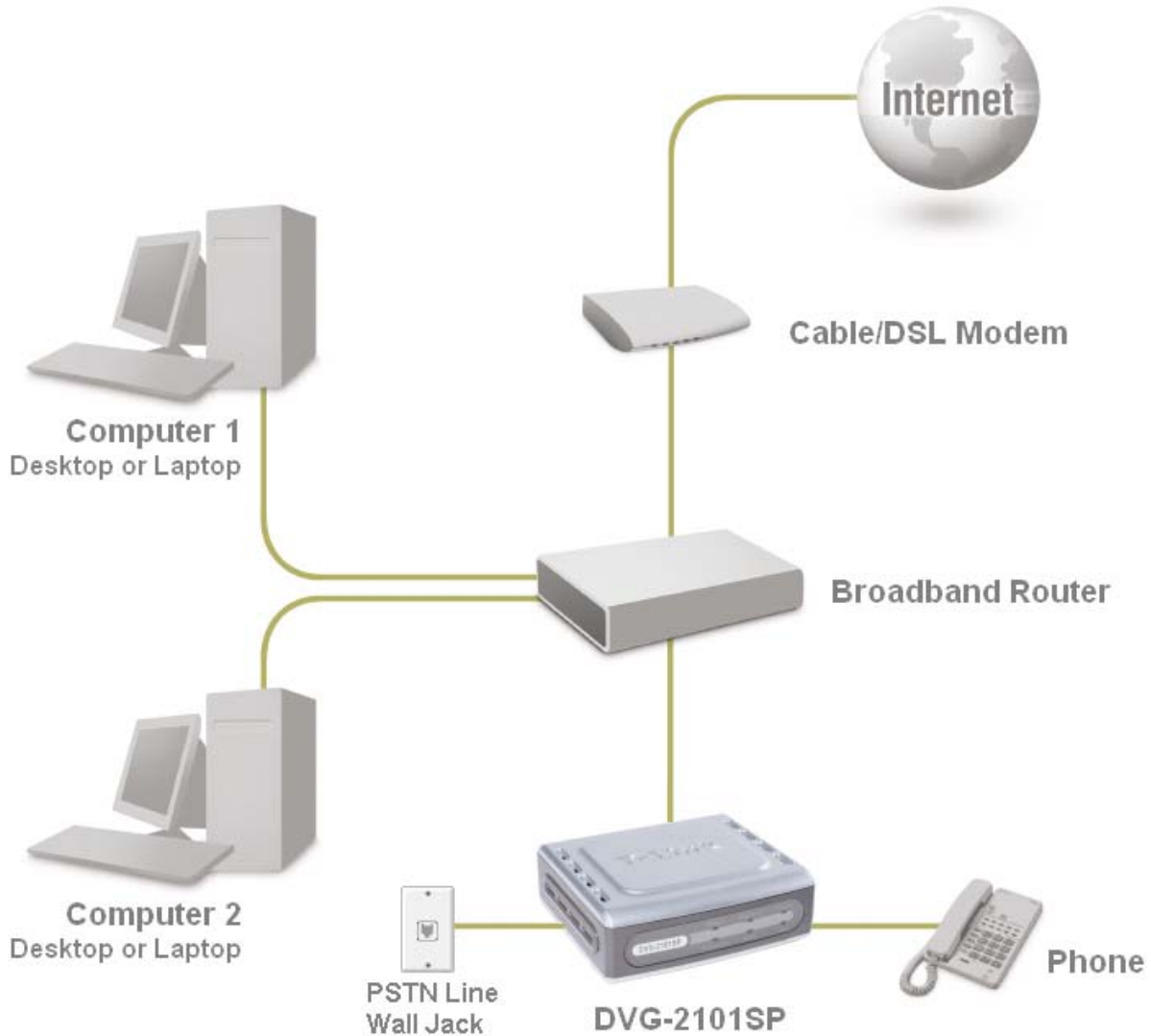
1. **Turn off your Computer.**
2. Attach one end of the provided Ethernet cable (blue) to the **WAN** port on the rear of the DVG-2101SP.
3. Attach the other end of this Ethernet cable to the PC for initial configuration described on the next chapter in this Quick Installation Guide.

4. Attach one end of the provided phone cable (gray) to a standard analog telephone.

5. Attach the other end of the phone cable to the phone port labeled **PHONE** on the rear panel of the DVG-2101SP.

6. Attach one end of the provided phone cable (gray) to a PSTN wall socket.

7. Attach the other end of the phone cable to the phone port labeled **LINE** on the rear panel of the DVG-2101SP.

8. Unpack the 12V DC Power Adapter that came with the DVG-2101SP. Connect the power adapter to the power connecter on the DVG-2101SP.

9. Connect the other end of the power adapter to an available electrical outlet (wall socket or surge protector).

   Note: Make sure all the cables are connected tightly and properly.

10. Restart your PC. The corresponding LEDs would light on to indicate that the DVG-2101SP is ready for initial web configuration.

11. After finishing your initial configuration as described on the next chapter, you need to unplug the Ethernet cable from the PC. And attach this end to the LAN port of your router or Cable/DSL Modem.

The hardware configuration is now complete.

③ Initial Web Configuration

Open your Web browser and type http://192.168.1.150 into the URL address box. Press the **Enter** or **Return** key.
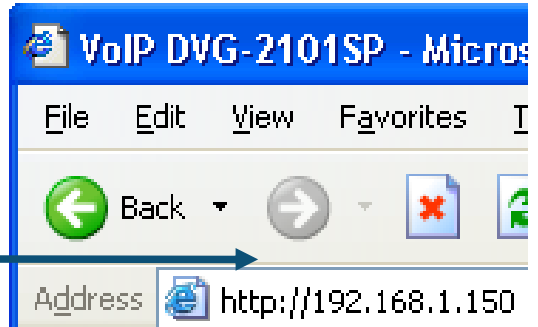
When you first log in, enter the User name **admin** and leave the Password blank. These may be changed later.

Click **Login**.

Setup Wizard will guide through the quick setup steps.

Click **Setup Wizard**.

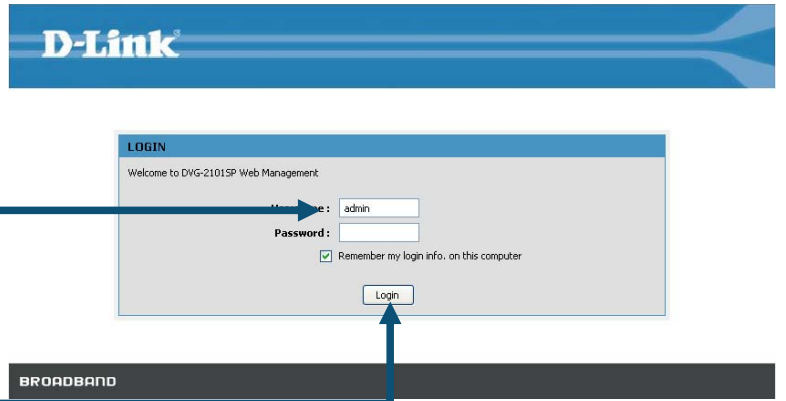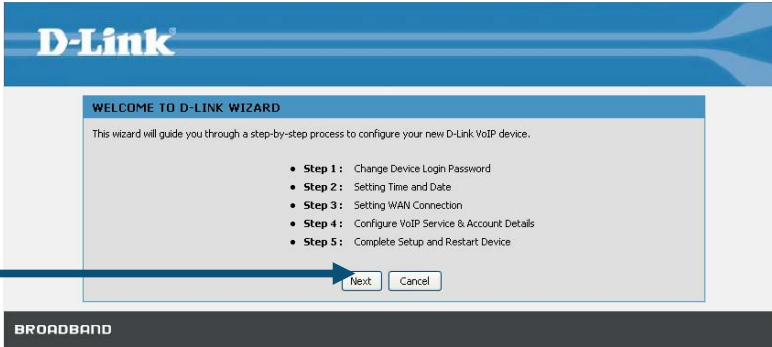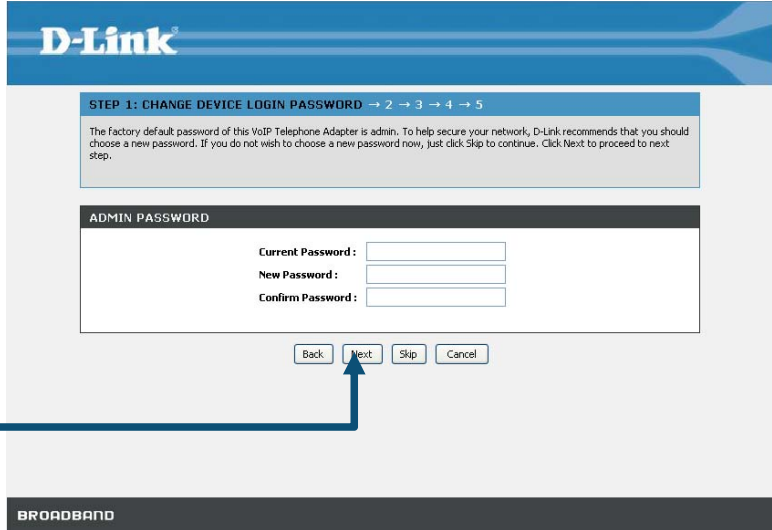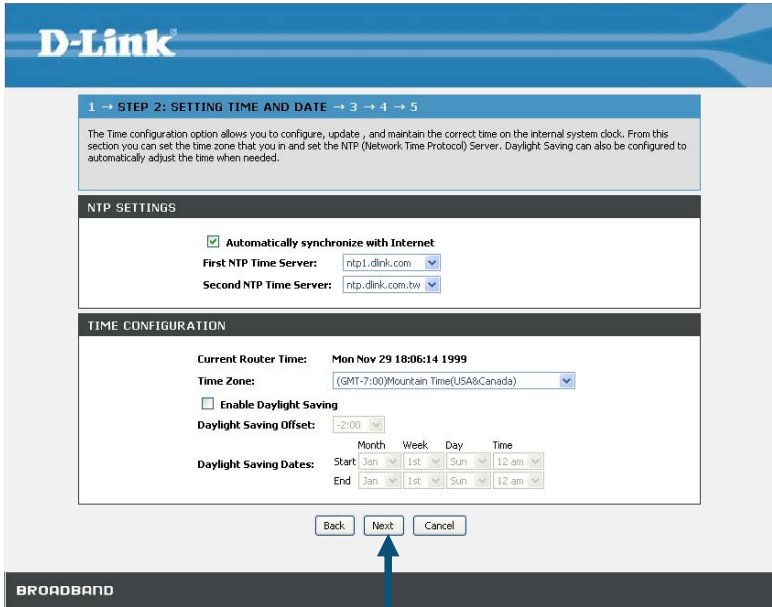## WELCOME TO D-LINK WIZARD

This wizard will guide you through a step-by-step process to configure your new D-Link VoIP device.

- **Step 1 :** Change Device Login Password
- **Step 2 :** Setting Time and Date
- **Step 3 :** Setting WAN Connection
- **Step 4 :** Configure VoIP Service & Account Details
- **Step 5 :** Complete Setup and Restart Device

[Next] [Cancel]

BROADBAND

Click **Next**.

Step 1
You can change login password of admin and user at this step. Or leave them as default.

STEP 1: CHANGE DEVICE LOGIN PASSWORD → 2 → 3 → 4 → 5

The factory default password of this VoIP Telephone Adapter is admin. To help secure your network, D-Link recommends that you should choose a new password. If you do not wish to choose a new password now, just click Skip to continue. Click Next to proceed to next step.

ADMIN PASSWORD

Current Password : [   ]
New Password : [   ]
Confirm Password : [   ]

[Back] [Next] [Skip] [Cancel]

BROADBAND

Click **Next**.

Step 2
Select your time zone from the drop-down list. Then select a NTP time server or configure your preferred time server.

1 → STEP 2: SETTING TIME AND DATE → 3 → 4 → 5

The Time configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you in and set the NTP (Network Time Protocol) Server. Daylight Saving can also be configured to automatically adjust the time when needed.

NTP SETTINGS

☑ Automatically synchronize with Internet
First NTP Time Server: ntp1.dlink.com ▽
Second NTP Time Server: ntp.dlink.com.tw ▽

TIME CONFIGURATION

Current Router Time: Mon Nov 29 18:06:14 1999
Time Zone: (GMT-7:00)Mountain Time(USA&Canada) ▽
☐ Enable Daylight Saving
Daylight Saving Offset: -2:00 ▽

	Month	Week	Day	Time
Daylight Saving Dates: Start	Jan ▽	1st ▽	Sun ▽	12 am ▽
End	Jan ▽	1st ▽	Sun ▽	12 am ▽

[Back] [Next] [Cancel]

BROADBAND

Click **Next**.

Step 3-1
If you selected Static IP, enter the IP address, subnet mask and gateway supplied by your ISP.

Click **Next**.

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1 → 2 → STEP 3: SETUP WAN CONNECTION → 4 → 5

The WAN connection type setting allows you to configure this device to establish your broadband Internet connection. Your Internet Service Provider (ISP) should provide the necessary information to you when you scribe the Internet access service.

Protocol: Static IP

STATIC IP

IP Address: 192 . 168 . 1 . 150
Subnet Mask: 255 . 255 . 255 . 0
Gateway: 192 . 168 . 1 . 1 (Optional)

Back   Next   Cancel

BROADBAND

Step 3-1-1
Static IP users have to set the DNS address.

Click **Next**.

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1 → 2 → STEP 3: SETUP WAN CONNECTION → 4 → 5

DNS server is used for translating a URL to an IP address.

DNS SERVER CONFIGURATION

⊙ Obtain DNS server address automatically
○ Use the following DNS server addresses
Preferred DNS Server : __ . __ . __ . __ (Optional)
Secondary DNS Server : __ . __ . __ . __ (Optional)

Back   Next   Cancel

BROADBAND

Step 3-1
If you selected Dynamic IP, you may enter the host name in the field.

Click **Next**.

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1 → 2 → STEP 3: SETUP WAN CONNECTION → 4 → 5

The WAN connection type setting allows you to configure this device to establish your broadband Internet connection. Your Internet Service Provider (ISP) should provide the necessary information to you when you scribe the Internet access service.

Protocol: Dynamic IP

DYNAMIC IP

Host Name : _____

Back   Next   Cancel

BROADBAND

Step 3-1
If you selected PPPoE, enter your username and password supplied by your ISP.

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1 → 2 → **STEP 3: SETUP WAN CONNECTION** → 4 → 5

The WAN connection type setting allows you to configure this device to establish your broadband Internet connection. Your Internet Service Provider (ISP) should provide the necessary information to you when you scribe the Internet access service.

Protocol: PPPoE

PPPOE

PPPoE User Name :

PPPoE Password :

Check Password :

PPPoE Service Name : (Optional)

Idle Time Out : 10min

☑ Auto Reconnect

MTU : 1492 (64~1492)

Back   Next   Cancel

BROADBAND

Click **Next**.

Step 4
Enable and configure SIP account (phone port) provided by your ISP/ITSP.

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1 → 2 → 3 → **STEP 4: CONFIGURE VOIP SERVICE & ACCOUNT DETAILS** → 5

This step will you to enter all of the VoIP Providers details to get you connected to their service and allow you to start marking calls.

SIP ACCOUNT LIST

Phone Port: 1

☑ Enable

Display Name: 0701

User Name: 0701

Authorization Name: 0701

Password: ●●●●●●

Proxy Server: iptel.org : 5060

☐ Backup Proxy Server: 0.0.0.0 : 5060

☐ Outbound Proxy Server: 0.0.0.0 : 5060

Expire Time: 3600 sec

☐ MWI

Back   Next   Cancel

BROADBAND

Click **Next**.

Step 5
Setup is finished. Click **Restart** to reboot the DVG-2101SP. Once the adapter is finished rebooting, turn on your modem/router and allow about 2 minutes to connect to your ISP.

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1 → 2 → 3 → 4 → **STEP 5: COMPLETE AND RESTART**

Setup complete. Click Back to review or modify settings. Click Restart to apply current settings and reboot the VoIP device.

SETUP SUMMARY

Below is a detailed summary of your settings. Please print this page out, or write the information on a piece of paper, so you can configure the correct settings on your VoIP Telephone adapters.

Wan Connection Type	DHCP
Host Name	

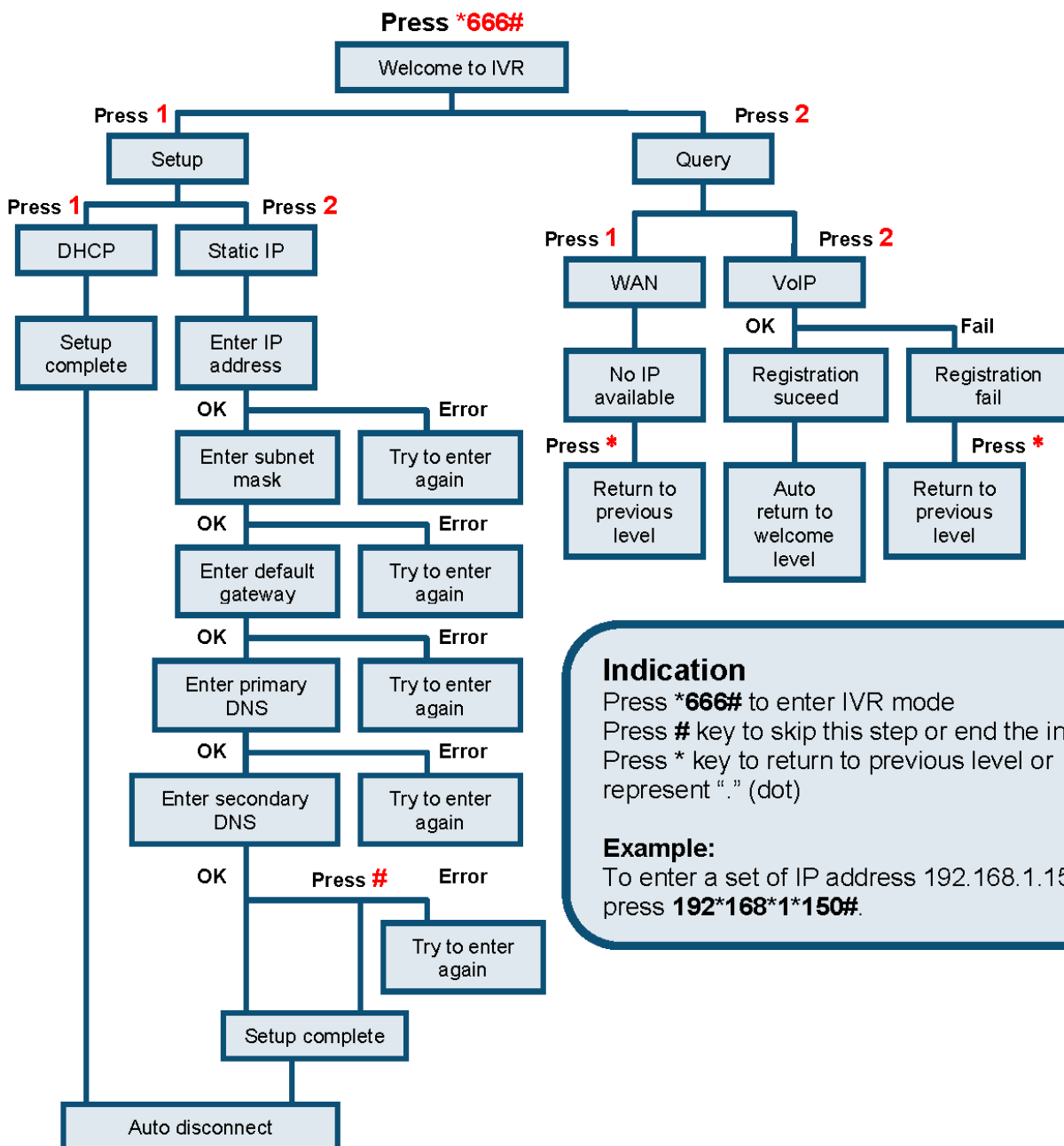|	
Phone Port 1	
Display Name	0701
User Name	0701
Authorization Name	0701
Password	12345
Proxy Server	iptel.org:5060
Backup Proxy Server	0.0.0.0:5060
Outbound Proxy Server	0.0.0.0:5060

Back   Restart   Cancel

BROADBAND

Click **Restart**.

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④ Configuration through IVR

The VoIP Adapter provides convenient IVR (Interactive Voice Response) function to help you query and configure basic settings of VoIP Adapter with a phone without turning on the PC.

To access IVR mode, plug a phone to the VoIP Adapter, then pick up the handset and press * (star) 666 # (pound). You will hear the voice instruction via handset. Follow the system's instruction to set up or query VoIP Adapter's settings. To exit IVR mode, simply hang up the phone. IVR function supports only DHCP and Static mode configuration, other connection types need to be done via GUI (web configuration). If you pick up handset without hearing any tone or press *666# without IVR response, please press Reset button for 1-2 seconds and try again. Please refer to Real Panel on page 3 for Reset button details.

Press *666#

Welcome to IVR

Press 1 → Setup
Press 2 → Query

Setup:
- **Press 1** → DHCP → Setup complete
- **Press 2** → Static IP → Enter IP address

Enter IP address:
- OK → Enter subnet mask
- Error → Try to enter again

Enter subnet mask:
- OK → Enter default gateway
- Error → Try to enter again

Enter default gateway:
- OK → Enter primary DNS
- Error → Try to enter again

Enter primary DNS:
- OK → Enter secondary DNS
- Error → Try to enter again

Enter secondary DNS:
- OK / **Press #** → Setup complete
- Error → Try to enter again

Setup complete → Auto disconnect

Query:
- **Press 1** → WAN
- **Press 2** → VoIP

WAN:
- OK → No IP available → **Press *** → Return to previous level

VoIP:
- OK → Registration suceed → Auto return to welcome level
- Fail → Registration fail → **Press *** → Return to previous level

Indication
Press ***666#** to enter IVR mode
Press **#** key to skip this step or end the input
Press * key to return to previous level or represent "." (dot)

Example:
To enter a set of IP address 192.168.1.150, press **192*168*1*150#**.

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Technical Support

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

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

U.S. and Canadian customers can contact D-Link Technical Support through our website, or by phone.

Tech Support for customers within the United States:

D-Link Technical Support over the Telephone:

(877) 453-5465

24 hours a day, seven days a week.

D-Link Technical Support over the Internet:

http://support.dlink.com

email:support@dlink.com

For Customers within Canada:

D-Link Canada Technical Support over the Telephone:

1-800-361-5265 (Canada)

Monday to Friday 7:30 am to 3:00 am ET

Saturday and Sunday 9:00am to 12:00am ET

D-Link Canada Technical Support over the Internet:

http://support.dlink.ca

email: support@dlink.ca

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