

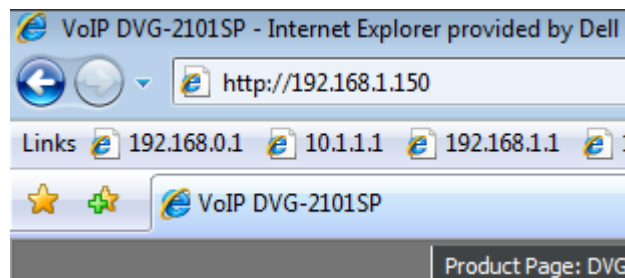
Configuring the D-Link DVG-2101SP with a VoIP Account from: **IINET**

v1.02_091208

In this guide we will cover off the configuration of the D-Link DVG-2101SP with a VoIP Account. Please follow the below steps in order to get the DVG-2101SP configured and ready to make and receive VoIP calls.

Step 1:

Log into the DVG-2101SP's Web Interface, this can be done by entering the IP address of the unit into your Web Browser, by default the unit will have an IP of 192.168.1.150 and also be able to receive an IP address via a DHCP Server. If you know the DHCP Server assigned IP then use this in the address bar of your Web Browser if not then use the 192.168.1.150 address.



Enter "http://192.168.1.150" into the address bar

You should now be prompted with a login screen as shown below, this will provide you with access to the Configuration Web Interface of the DVG-2101SP. The default login for this unit will be the Username "admin" and a blank password. If you have changed this please enter your altered login details, if you are unsure of these a factory reset of the unit may be required. Please consult the User Manual for more details on how this is achieved.

A screenshot of the login screen. The title is "LOGIN". Below it, it says "Welcome to DVG-2101SP Web Management". There are two input fields: "Username:" and "Password:". Below the password field is a checkbox labeled "Remember my login info. on this computer". At the bottom center is a "Login" button.

Login to the Web Interface with the username of "admin" and no password.

Step 2:

Once logged into the Web Browser we will need to navigate to the VoIP Configuration section of the Web Interface, this can be done by clicking on the **VoIP Setup** button on the left hand side navigation menu (shown next to the red arrow).

Product Page: DVG-2101SP Site Map Firmware Version: AU_1.00.378

D-Link

DVG-2101SP // SETUP ADVANCED MAINTENANCE STATUS HELP

Wizard
Internet Setup
VoIP Setup
Time and Date
Logout

SETTING WIZARD
This Setup Wizard will guide you through the configuration of your new D-Link VoIP device.

CONNECTION WIZARD
You can use this wizard for assistance and quick connection of your new D-Link VoIP device. You will be presented with step-by-step instructions in order to get your VoIP Connection up and running. Click the **Setup Wizard** button below to begin.

Setup Wizard

Note: Please make sure you have your VoIP Service Providers details and your VoIP Accounts details before starting the Wizard.

Helpful Hints...
If you are new to networking and have never configured a device before, click on **Setup Wizard** and the D-Link VoIP device will run you through a few simple steps to get your network up and running.
If you consider yourself an advanced user or have configured a device before, click **Setup > Internet Setup** to input all the settings manually.

Click on the VoIP Setup button

Once we have accessed this page you will see all of the required fields in order for the DVG-2101SP to login to your VoIP provider and allow you to make calls.

Product Page: DVG-2101SP Site Map Firmware Version: AU_1.00.378

D-Link

DVG-2101SP // SETUP ADVANCED MAINTENANCE STATUS HELP

Wizard
Internet Setup
VoIP Setup
Time and Date
Logout

SIP ACCOUNT LIST

Phone Port: 1

Enable

Display Name:

User Name:

Authorization Name:

Password:

Proxy Server: 0.0.0.0 : 5060

Backup Proxy Server: 0.0.0.0 : 5060

Outbound Proxy Server: 0.0.0.0 : 5060

Use Domain to Register: 0.0.0.0

Expire Time: 3600 sec

MWI

Apply Cancel

BROADBAND

Copyright © 2005-2008 D-Link Systems, Inc.

Fields required for connection to VoIP Provider

Below we will show a setup example for **IINET** which will inform you of the required data and settings that need to be configured in order to start making and receiving calls via VoIP.

Product Page: DVG-2101SP Site Map Firmware Version: AU_1.00.378

D-Link

DVG-2101SP // SETUP ADVANCED MAINTENANCE STATUS HELP

Wizard
Internet Setup
VoIP Setup
Time and Date
Logout

SIP ACCOUNT LIST

Phone Port: 1

Enable

Display Name: John Doe

User Name: <iinet Username >

Authorization Name: <iinet Username >

Password:

Proxy Server: sip.nsw.iinet.net.au : 5060

Backup Proxy Server: sip.vic.iinet.net.au : 5060

Outbound Proxy Server: sip.nsw.iinet.net.au : 5060

Use Domain to Register: sip.nsw.iinet.net.au

Expire Time: 300 sec

MWI

Apply Cancel

BROADBAND

Copyright © 2005-2008 D-Link Systems, Inc.

Helpful Hints...
The device offers you SIP account that you can use for making calls via Internet or PSTN. You can assign SIP account the relevant phone number for incoming and outgoing calls.
[More...](#)

Example of required data for the VoIP connection to be configured

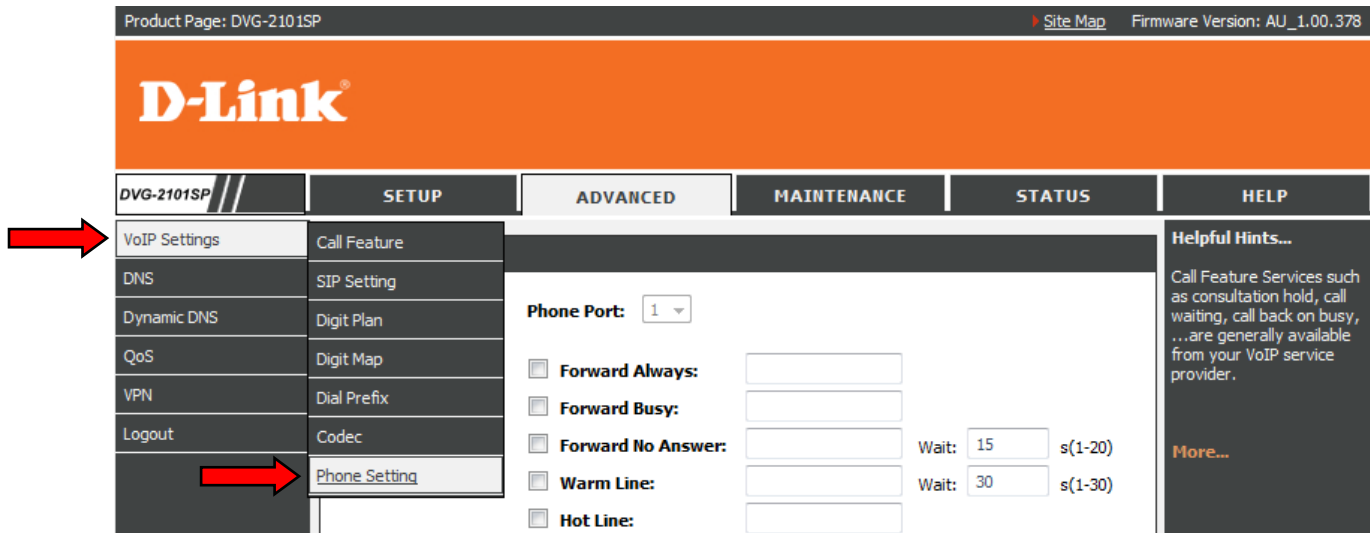
As shown above the below data must be completed in order to establish a connection to your VoIP provider so that you can start to make and receive VoIP calls.

Enable	Must be ticked in order for the registration to IINET to occur.
Display Name	Enter your name or the name you wish to give to this VoIP Connection, may be used as VoIP Caller ID, for more information please contact IINET or consult the User Manual.
User Name	Your IINET VoIP Username, generally your Phone Number. E.g: 0288881234
Authorization Name	Your IINET VoIP Username, generally your Phone Number. E.g: 0288881234
Password	Your IINET VoIP Password. E.g: QwErTyUi
Proxy Server	sip.nsw.iinet.net.au
Backup Proxy Server	Tick box and enter the following, sip.vic.iinet.net.au
Outbound Proxy Server	Tick box and enter the following, sip.nsw.iinet.net.au
Use Domain to Register	Tick box and enter the following, sip.nsw.iinet.net.au
Expire Time	300 sec

With the above settings now configured click on the “Apply” button to save these settings and make them active. Once this is completed the unit should now be ready to make VoIP calls.

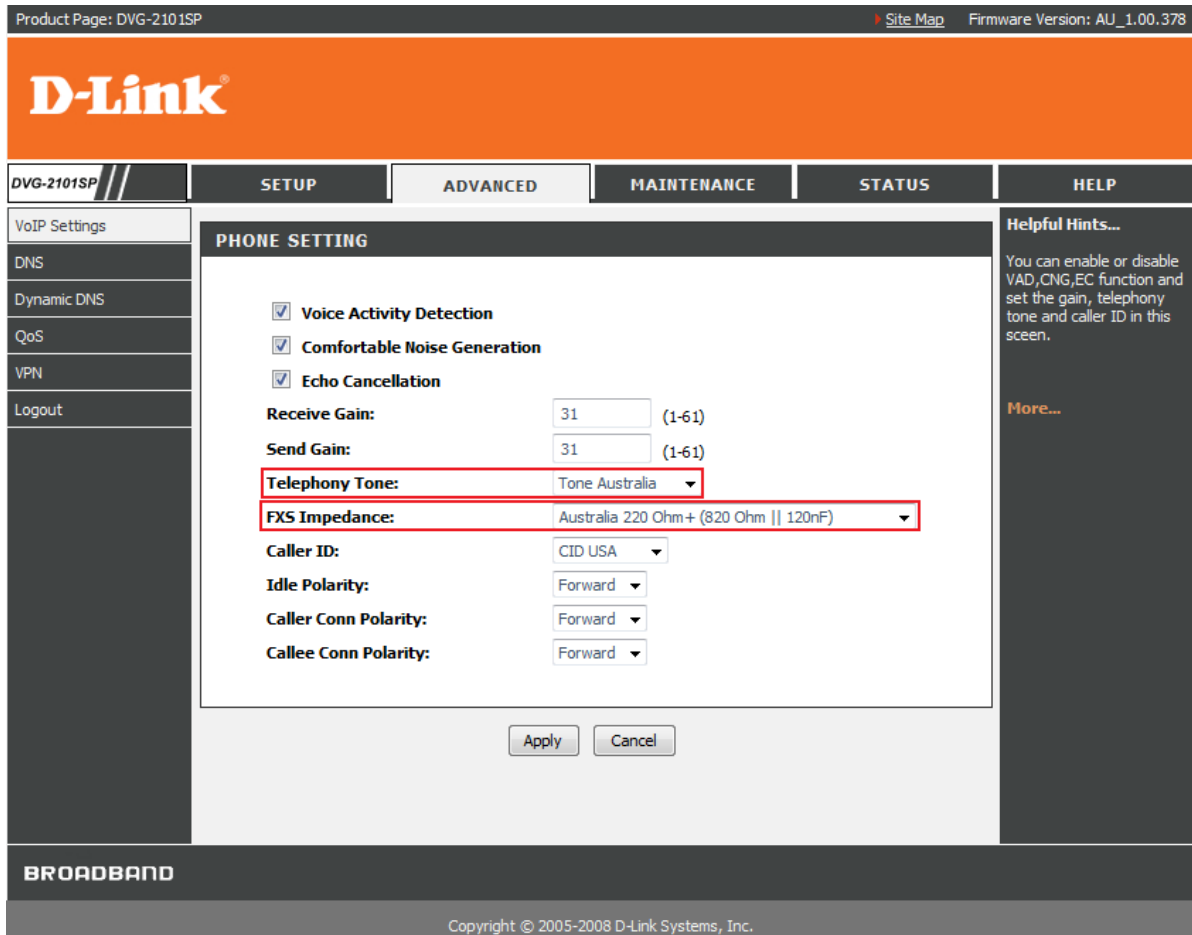
Step 3:

This next step will configure the tone settings when you pick up the phone, just to keep the VoIP side of things similar to what you would find on your regular (PSTN) phone. Hover your mouse over the **VoIP Settings** button in the left hand navigation menu and then click on the **Phone Setting** Button.



Hover on the VoIP Settings and then click on the Phone Setting button

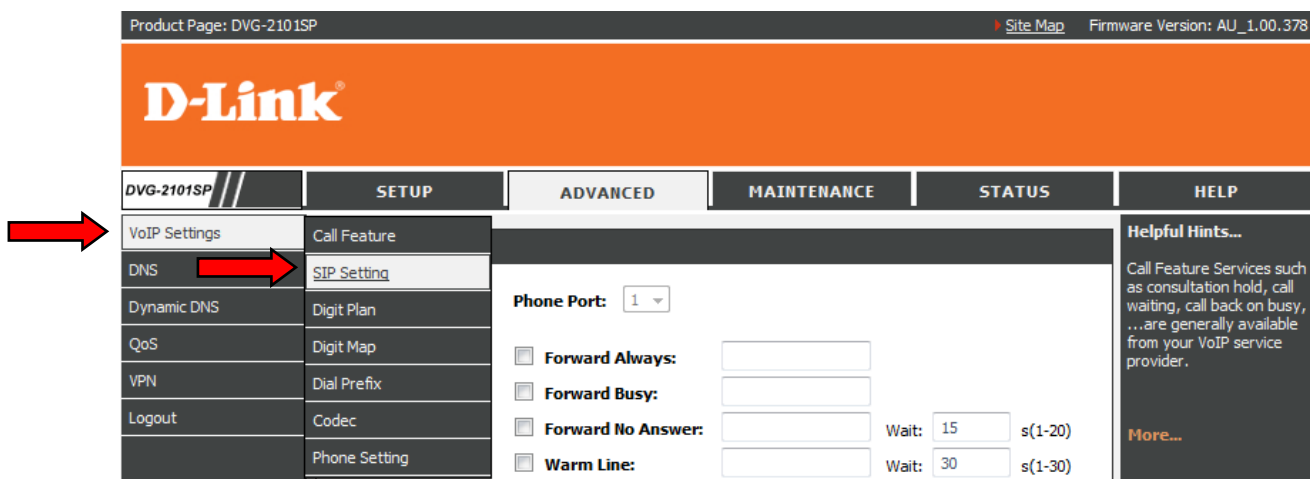
Once you have clicked on the Phone Setting button you will see the below. On this page we need to change the two highlighted fields to the Australian setting. This will ensure that the correct tones are transmitted to the handset. The two settings to change are **Telephony Tone** and **FXS Impedance**.



Change the Telephony Tone and FXS Impedance to the Australian option from the drop down list

Step 4:

Since IINET does not support the STUN server feature we will need to disable this in order for the registration to the IINET server to occur. This can be done by hovering your mouse over the **VoIP Settings** button in the left hand navigation menu and then click on the **SIP Setting** Button.



Hover on the VoIP Settings and then click on the SIP Setting button

On the SIP Setting page we need to remove the tick from the STUN checkbox as shown below. Once this is completed, please make sure you click the “Apply” button at the bottom of the page to save this change.

Product Page: DVG-2101SP Site Map Firmware Version: AU_1.00.378

D-Link

DVG-2101SP
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP

VoIP Settings

DNS

Dynamic DNS

QoS

VPN

Logout

SIP SETTING

Port

Signaling Port:

RTP Start:

RTP End:

NAT Setting

STUN

Server Address:

NAT Keep Alive Time: sec (30 ≤ X ≤ 86400)

Rport

T.38 Fax

T.38 FAX Protocol

Advanced Feature

P_Assert

E.164 ENUM

Session Timer: sec (90 ≤ X)

Anonymous Call Rejection

DTMF INFO Type For Cisco

Helpful Hints...

This page allows you to set the configuration related to the SIP service provider. You need to configure your VoIP device to communication with the devices that will send and receive telephone calls over the Internet. If you are behind a NAT modem/device, you may have to use a STUN server.

[More...](#)

BROADBAND

Copyright © 2005-2008 D-Link Systems, Inc.

Remove the checkbox tick from the STUN setting

Step 5:

In this last step we will check to ensure the VoIP Connection is now active and registered to IINET. This can be done via two methods. The first is looking at the LED display on the front of the unit, if the Registration LED is lit up and stays solid then you have successfully connected and registered to IINET.



DVG-2101SP LEDs showing a successful registration to the VoIP Provider

The second is done by clicking on the **Status** menu at the top of the Web Interface then the **VoIP Status** button. This will then show the below page.

PHONE PORT STATUS							
No.	Display Name	User Name	Proxy	Status	Remote Host	Start	Elapsed
Phone 1	John Doe	0280600331	sip.nsw.iinet.net.au:5060	Registered			

Phone Port Status - Registered

If you find that under Status it says *Idle* then you may have entered the Username and Password incorrectly, Please refer back to Step 2 in order to reconfigure the VoIP Settings.

PHONE PORT STATUS							
No.	Display Name	User Name	Proxy	Status	Remote Host	Start	Elapsed
Phone 1	John Doe	0280600331	sip.nsw.iinet.net.au:5060	Idle			

Phone Port Status - Idle

Once you have successfully registered with the VoIP Provider you are now ready to make and receive calls via over the Internet using VoIP.

For any complications during this setup please consult the Product's User Manual on the supplied CD. If you are still stuck, please feel free to contact our Technical Support Team.

~End of Document~