# **Experiment 6: Implement Wi-Fi security (WPA2, IP based, MAC Based)**

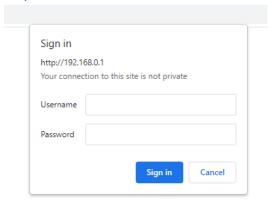
Step1: Switch On the D-Link Router.

Step2: Open a browser and search for dlinkrouter.local

Run IP address of router in any of the browser



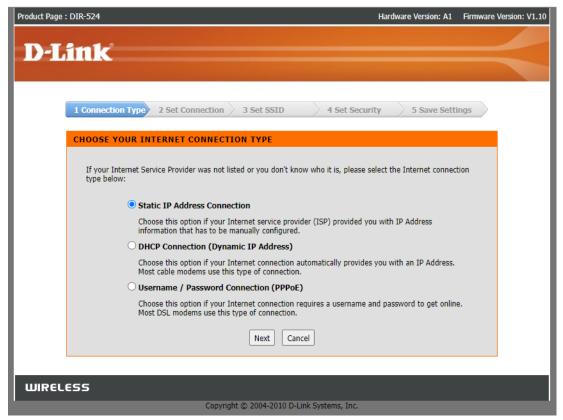
Step3: click Wizard



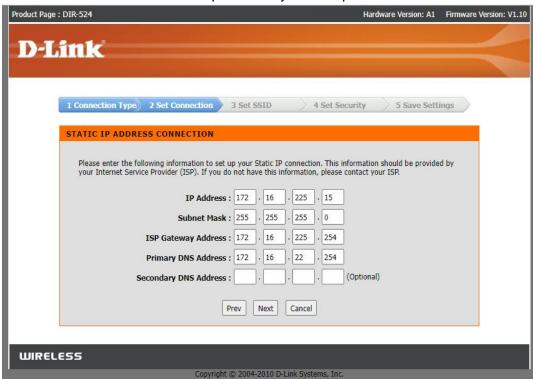
Step4: Login with the credentials which are available on the router



Step 5: click Next



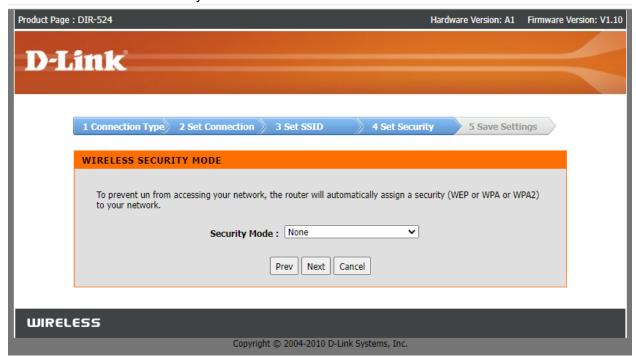
Click Next and Enter IP address provided by service provider



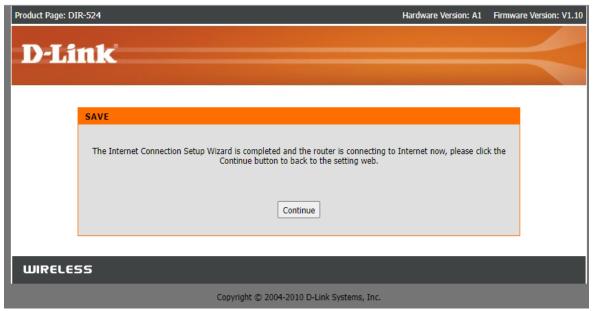
Click Next and enter the name of the wireless network



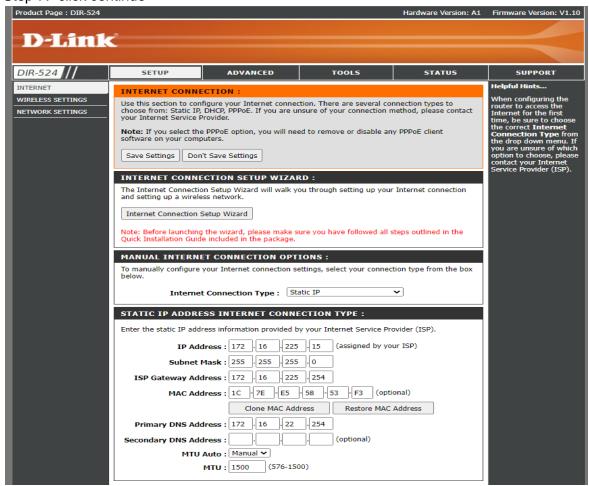
Click Next and set the security mode



Step 6: click Next → save → continue



Step 7: click continue



Step 8: In manual internet connection setup wizard

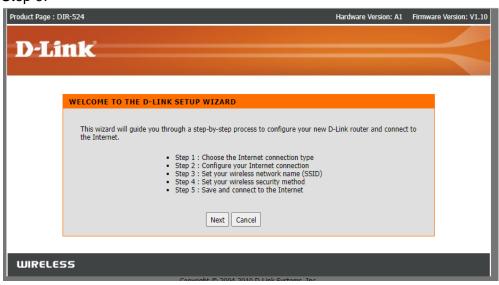
## INTERNET CONNECTION SETUP WIZARD:

The Internet Connection Setup Wizard will walk you through setting up your Internet connection and setting up a wireless network.

Internet Connection Setup Wizard

Note: Before launching the wizard, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.

## Step 9:



#### Click next



Click Next



#### Click Next



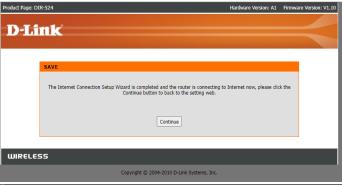
### Click Next

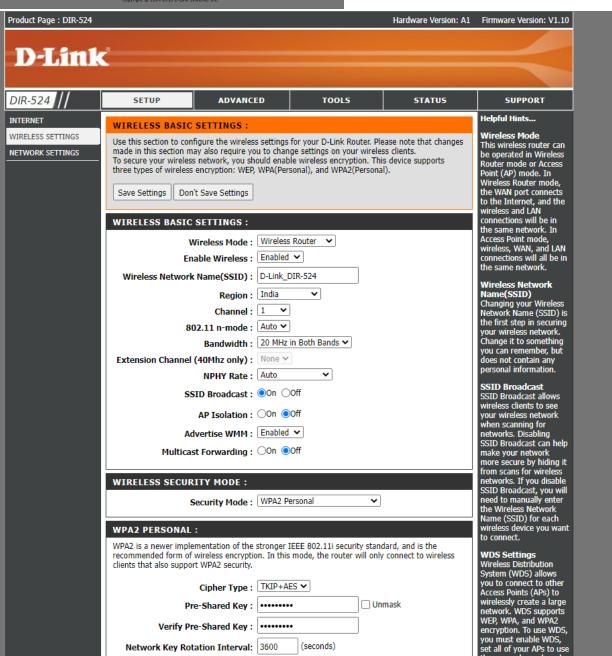


## Click Next



Click Continue





WDS:		
Wireless Distribution System (WDS) allows you to connect to other Access Points (APs) to wirelessly create a large network. To do this, you must enable WDS, set all of your APs to use the same channel, and then enter the MAC addresses of the other APs you want to connect to.		
	Status	
WDS MAC1: 1C -7E -E5 -58 -53 -F3	N/A	
WDS MAC2 :	N/A	
Bridge Restriction :   Enabled Obisabled		
Bridge Link Detection Interval: (seconds)		

# **VIVA Questions**

1.	Define Wi Fi?
-	
2.	What is WPA?
3.	What is MAC?
4.	What is an IP based WiFi Security?
5.	What is a Router?