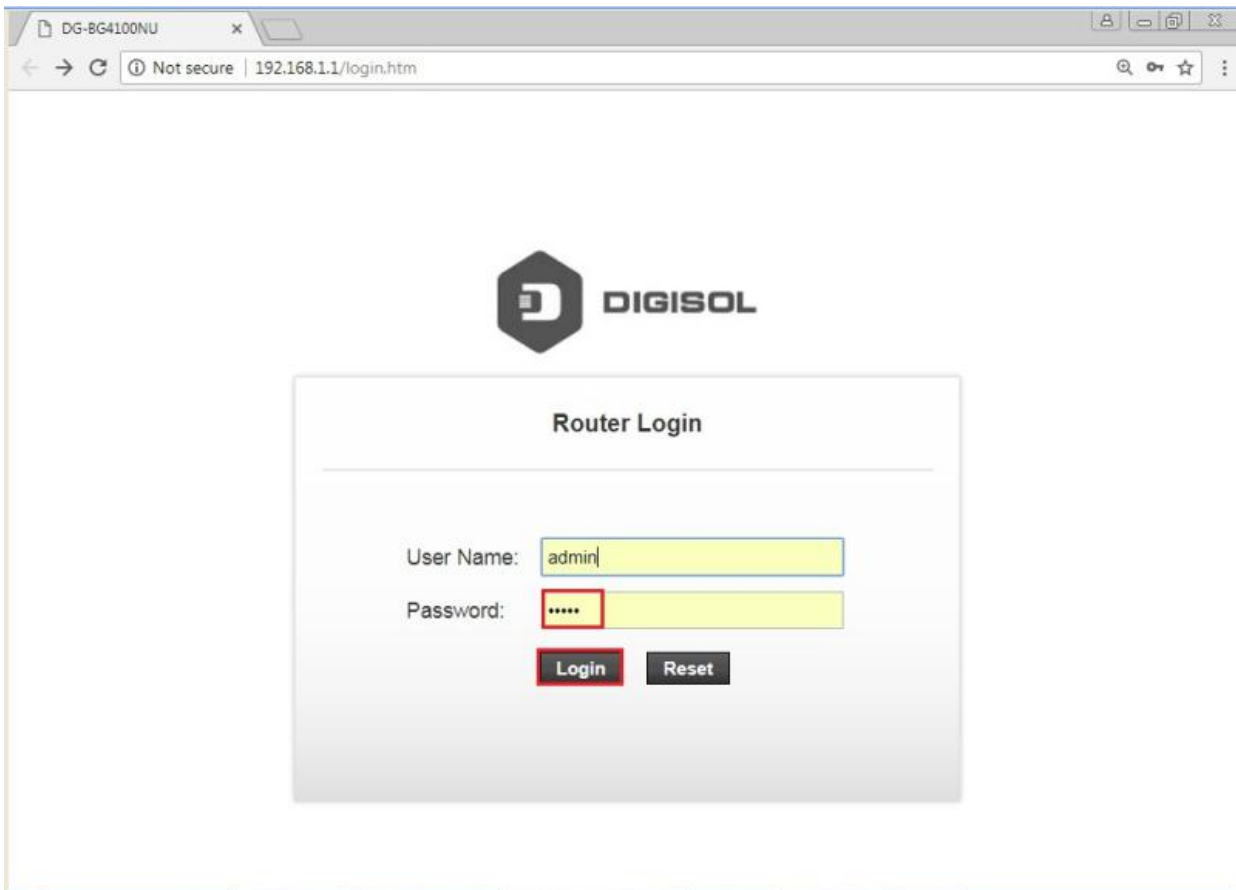


## [HOW TO CONFIGURE THE DG-BG4100Nu IN REPEATER MODE](#)

### STEP 1: ACCESSING THE WEB CONFIGURATION PAGE INSIDE THE ROUTER

Open the configuration page of the router by typing <http://192.168.1.1> in a web browser. We recommend you to do this one time configuration to be done using Internet Explorer.

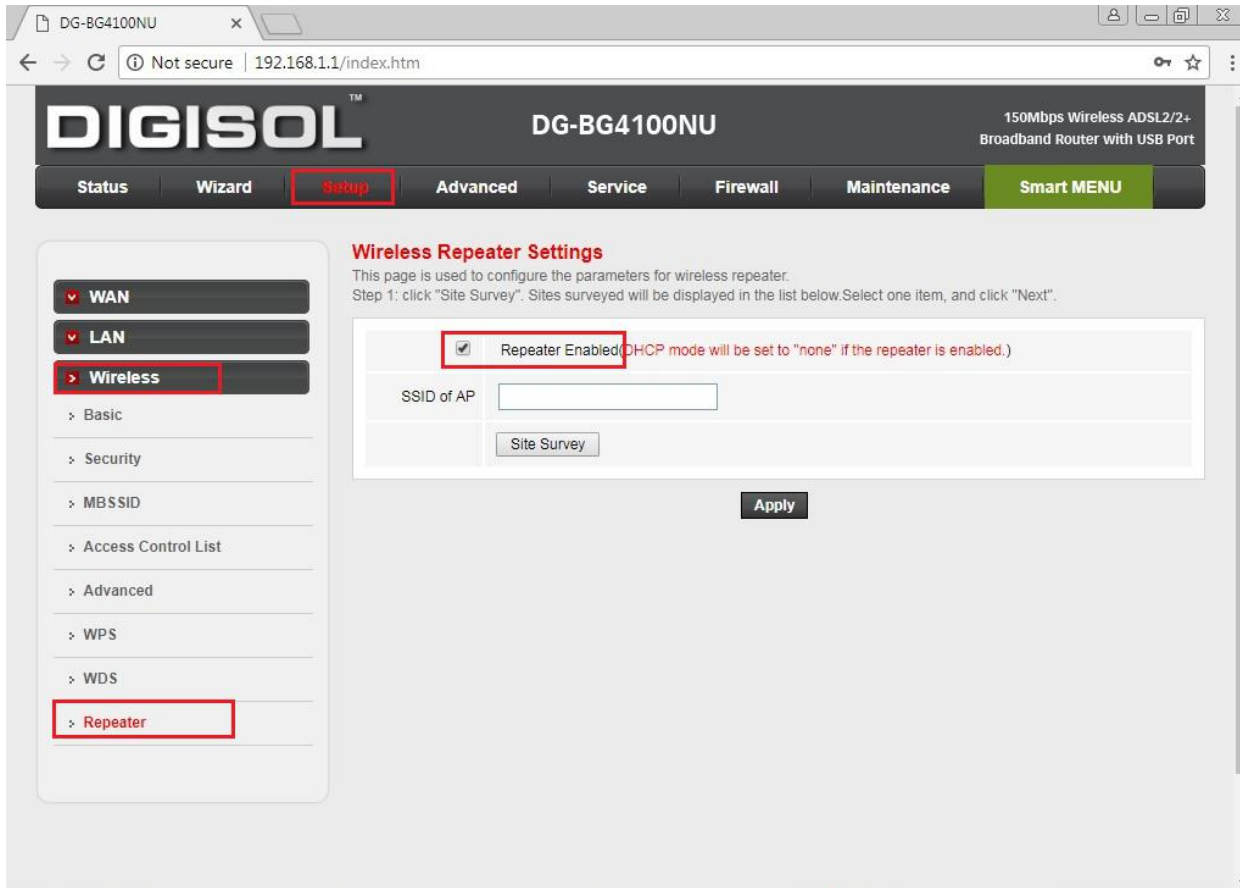
Enter the username as [admin](#) and password as [admin](#) and click on Login.



## STEP 2: CONFIGURE THE ROUTER IN REPEATER MODE

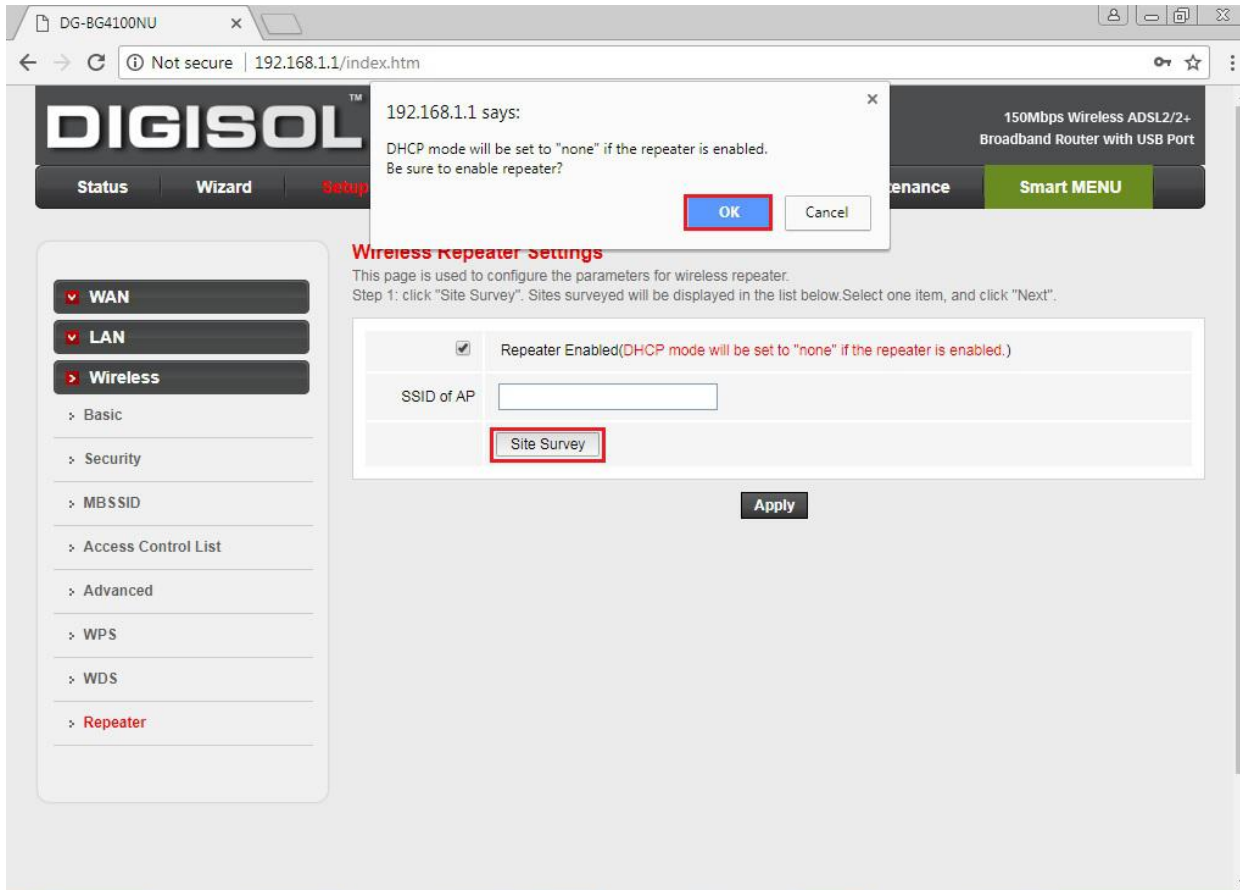
Click on [Wireless > Wireless Repeater](#).

Select [Repeater Enabled](#) and type the Wireless network name under [SSID of AP](#)(Main AP)



The screenshot shows the web interface for the DIGISOL DG-BG4100NU router. The browser address bar shows the URL 192.168.1.1/index.htm. The page title is DIGISOL DG-BG4100NU, and the subtitle is 150Mbps Wireless ADSL2/2+ Broadband Router with USB Port. The navigation menu includes Status, Wizard, Setup (highlighted), Advanced, Service, Firewall, Maintenance, and Smart MENU. The left sidebar shows a tree view with WAN, LAN, Wireless (highlighted), Basic, Security, MBSSID, Access Control List, Advanced, WPS, WDS, and Repeater (highlighted). The main content area is titled Wireless Repeater Settings and contains the following text: This page is used to configure the parameters for wireless repeater. Step 1: click "Site Survey". Sites surveyed will be displayed in the list below. Select one item, and click "Next". The settings form includes a checked checkbox for Repeater Enabled (with a note: DHCP mode will be set to "none" if the repeater is enabled.), an empty text field for SSID of AP, and a Site Survey button. An Apply button is located below the form.

Click on [Site Survey](#). You will get the following message “ DHCP mode will be set to “none” of the repeater is enabled”. Click on [OK](#) to continue.



The screenshot shows a web browser window with the address bar displaying "192.168.1.1/index.htm". The page title is "DIGISOL™". The browser window has a tab labeled "DG-BG4100NU".

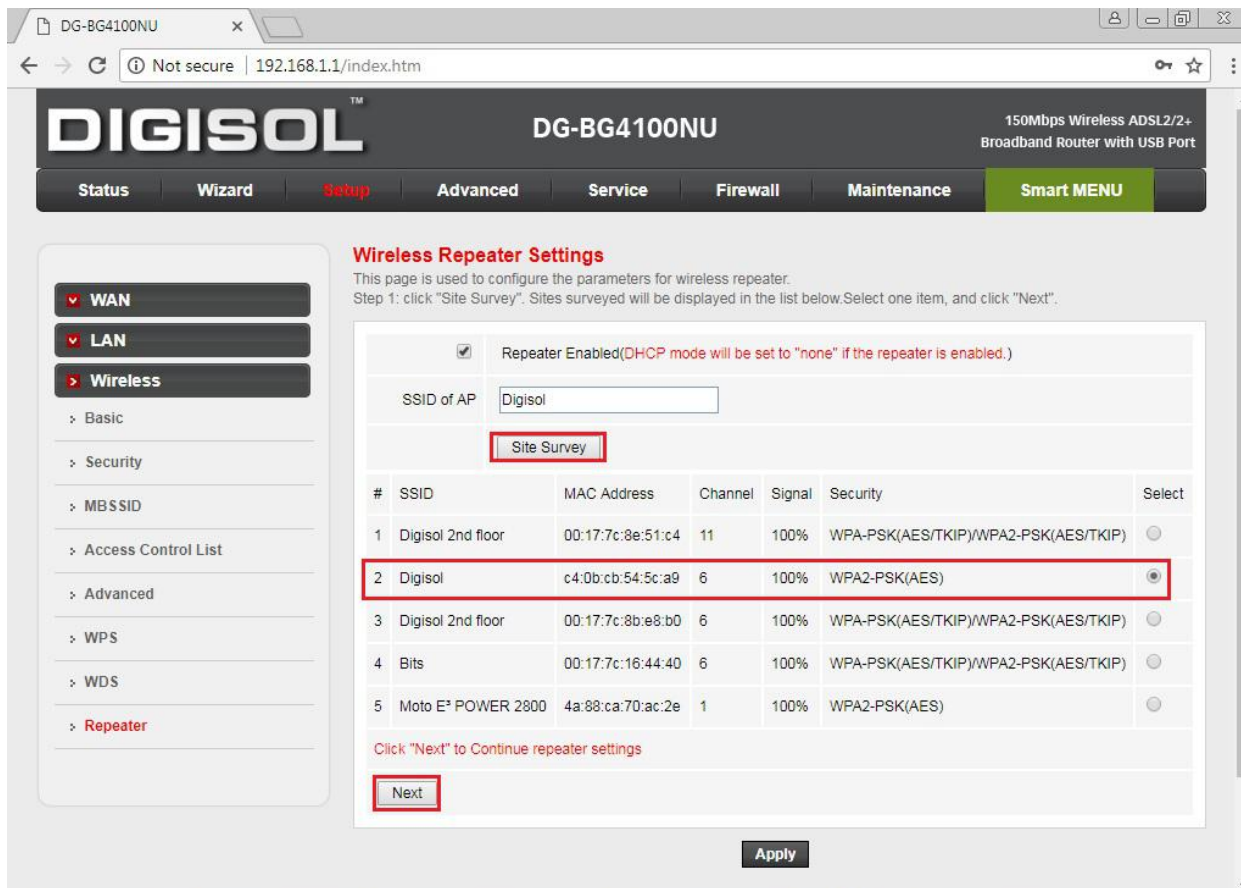
A dialog box is open, titled "192.168.1.1 says:". The message inside reads: "DHCP mode will be set to 'none' if the repeater is enabled. Be sure to enable repeater?". There are "OK" and "Cancel" buttons at the bottom of the dialog.

The background page is titled "Wireless Repeater Settings". It contains the following text: "This page is used to configure the parameters for wireless repeater. Step 1: click 'Site Survey'. Sites surveyed will be displayed in the list below. Select one item, and click 'Next!'."

The settings form includes a checked checkbox labeled "Repeater Enabled(DHCP mode will be set to 'none' if the repeater is enabled.)" and a text input field for "SSID of AP". Below the input field is a button labeled "Site Survey", which is highlighted with a red box. An "Apply" button is located at the bottom of the form.

The left sidebar of the router interface shows navigation options: WAN, LAN, Wireless (selected), Basic, Security, MBSSID, Access Control List, Advanced, WPS, WDS, and Repeater.

All the available wireless networks will be scanned and displayed as shown in the below screen. Select the wireless network of your router. Note down the encryption, channel and signal strength which will help you sync the repeater settings as per your main router. Click on [Next](#).



**DIGISOL™ DG-BG4100NU** 150Mbps Wireless ADSL2/2+ Broadband Router with USB Port

Status Wizard **Setup** Advanced Service Firewall Maintenance **Smart MENU**

**Wireless Repeater Settings**  
This page is used to configure the parameters for wireless repeater.  
Step 1: click "Site Survey". Sites surveyed will be displayed in the list below. Select one item, and click "Next".

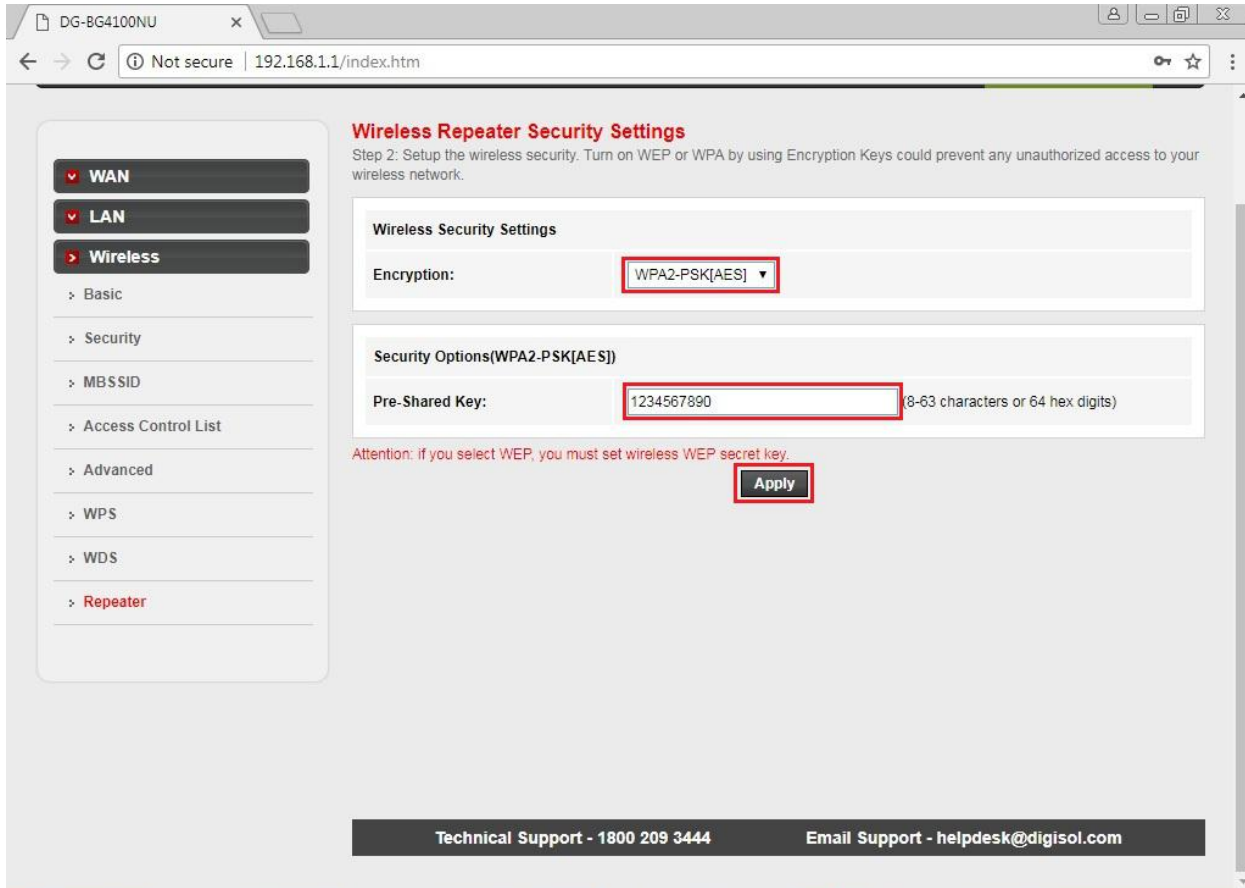
Repeater Enabled(DHCP mode will be set to "none" if the repeater is enabled.)

SSID of AP:

#	SSID	MAC Address	Channel	Signal	Security	Select
1	Digisol 2nd floor	00:17:7c:8e:51:c4	11	100%	WPA-PSK(AES/TKIP)/WPA2-PSK(AES/TKIP)	<input type="radio"/>
2	Digisol	c4:0b:cb:54:5c:a9	6	100%	WPA2-PSK(AES)	<input checked="" type="radio"/>
3	Digisol 2nd floor	00:17:7c:8b:e8:b0	6	100%	WPA-PSK(AES/TKIP)/WPA2-PSK(AES/TKIP)	<input type="radio"/>
4	Bits	00:17:7c:16:44:40	6	100%	WPA-PSK(AES/TKIP)/WPA2-PSK(AES/TKIP)	<input type="radio"/>
5	Moto E+ POWER 2800	4a:88:ca:70:ac:2e	1	100%	WPA2-PSK(AES)	<input type="radio"/>

Click "Next" to Continue repeater settings

You will be asked to enter the password which should be same as your main router and click on [Apply](#).



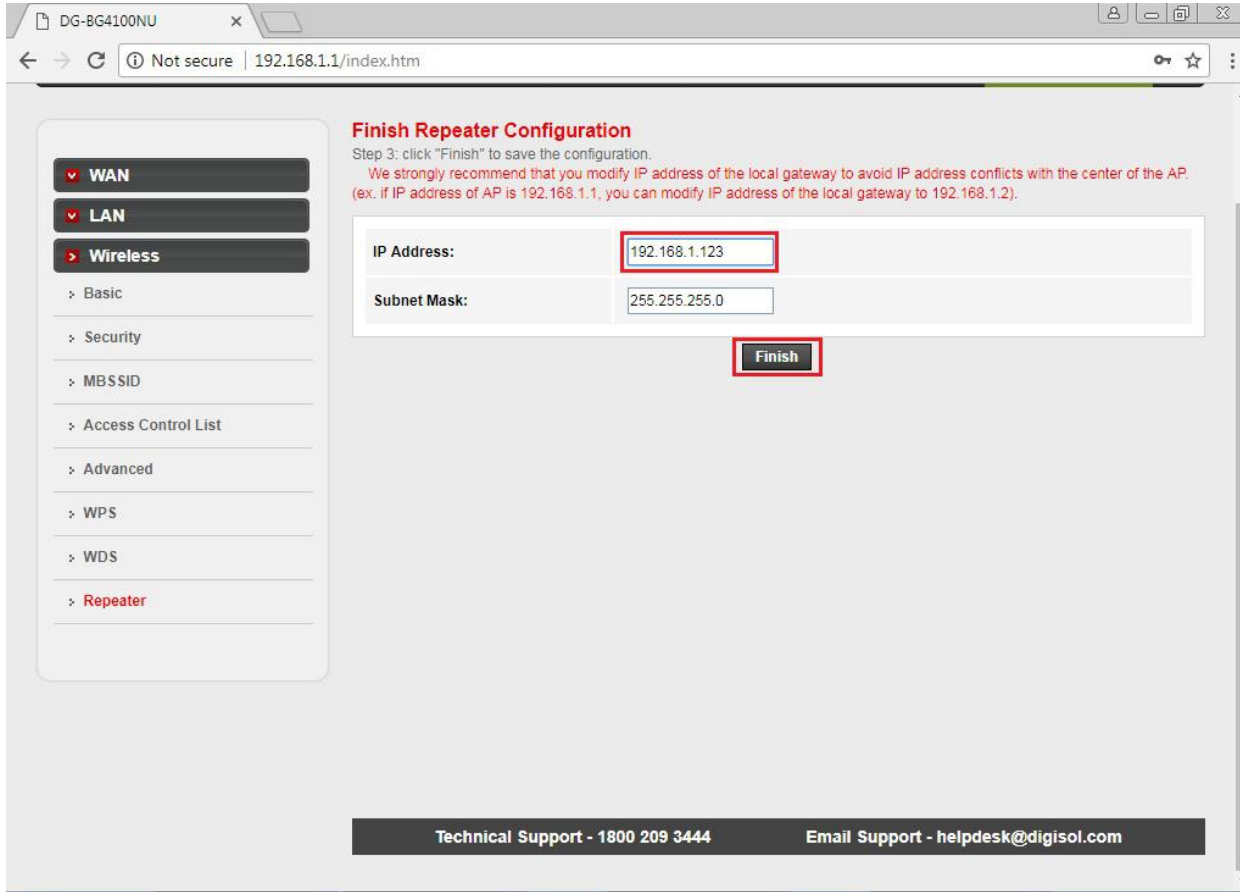
The screenshot shows a web browser window with the address bar displaying "192.168.1.1/index.htm". The page title is "Wireless Repeater Security Settings". The left sidebar contains navigation options: WAN, LAN, Wireless (selected), Basic, Security, MBSSID, Access Control List, Advanced, WPS, WDS, and Repeater. The main content area is titled "Wireless Repeater Security Settings" and includes the following sections:

- Wireless Security Settings**
  - Encryption: WPA2-PSK[AES]
- Security Options(WPA2-PSK(AES))**
  - Pre-Shared Key: 1234567890 (8-63 characters or 64 hex digits)

Below the Pre-Shared Key field, there is a red warning message: "Attention: if you select WEP, you must set wireless WEP secret key." and an "Apply" button.

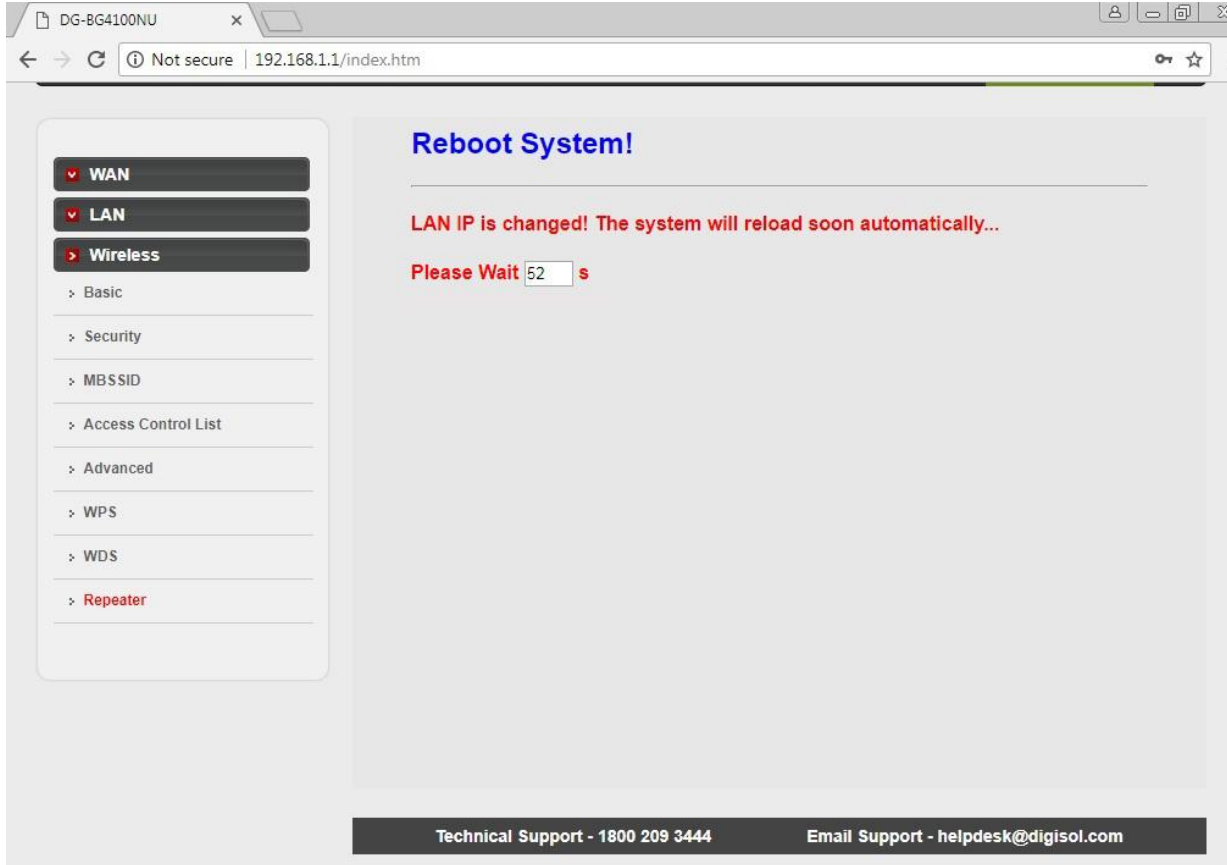
At the bottom of the page, there is a footer with contact information: "Technical Support - 1800 209 3444" and "Email Support - helpdesk@digisol.com".

On the next page, you will need to change the IP address of the repeater in the range of the main router.



Technical Support - 1800 209 3444      Email Support - [helpdesk@digisol.com](mailto:helpdesk@digisol.com)

Router DG-BG4100Nu will now reboot. Wait till the reboot procedure is completed.



The screenshot shows a web browser window with the address bar displaying "192.168.1.1/index.htm". The page content includes a left-hand navigation menu with categories: WAN, LAN, Wireless (expanded), Basic, Security, MBSSID, Access Control List, Advanced, WPS, WDS, and Repeater. The main content area features a blue heading "Reboot System!" followed by a red warning: "LAN IP is changed! The system will reload soon automatically...". Below this is a "Please Wait" timer set to 52 seconds. At the bottom of the page, a dark footer bar contains the text "Technical Support - 1800 209 3444" and "Email Support - helpdesk@digisol.com".

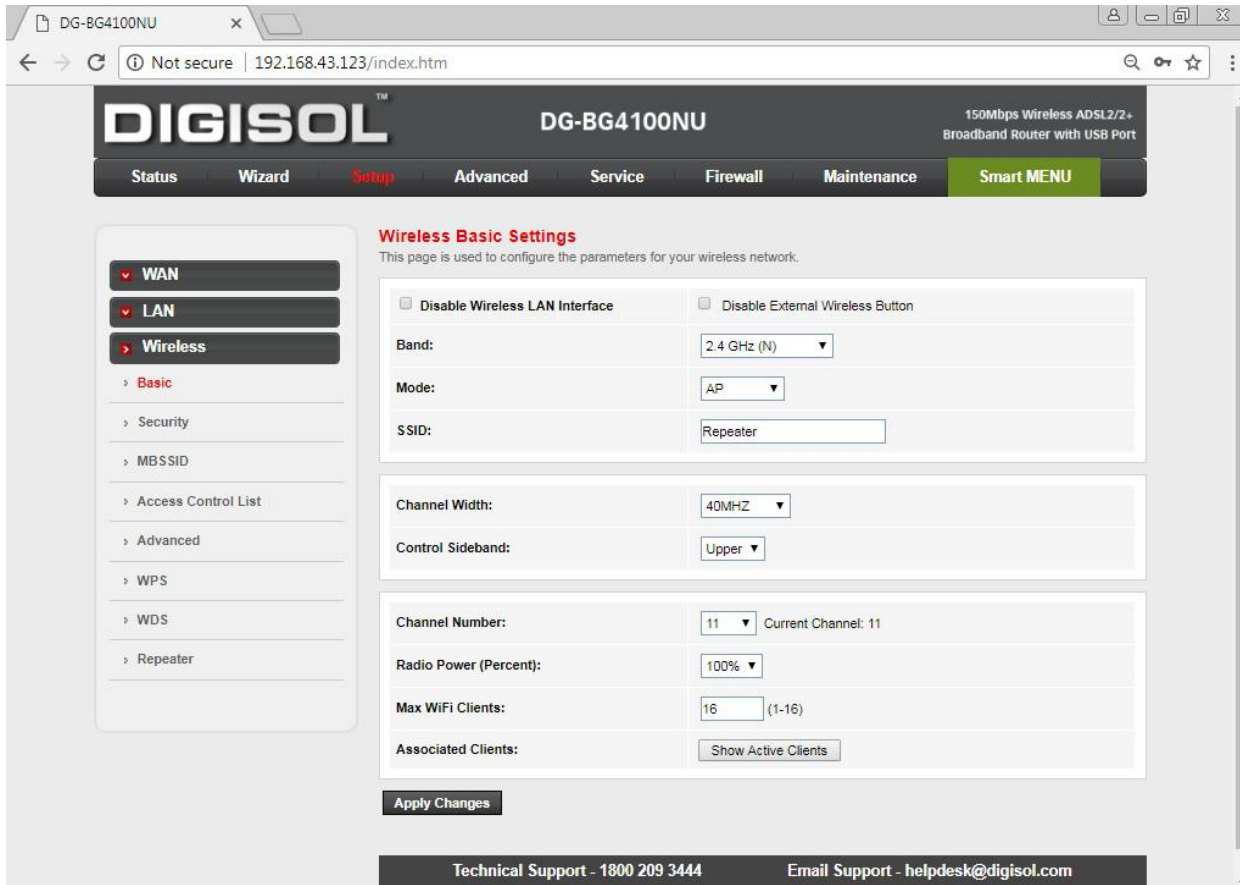
Once the router DG-BG4100Nu reboots, now open the page with the changed IP address.

You can now configure separate SSID for your repeater.

To do this, login to the page and click on Setup > Wireless > Basic

Enter a new name in SSID

Click on Apply.



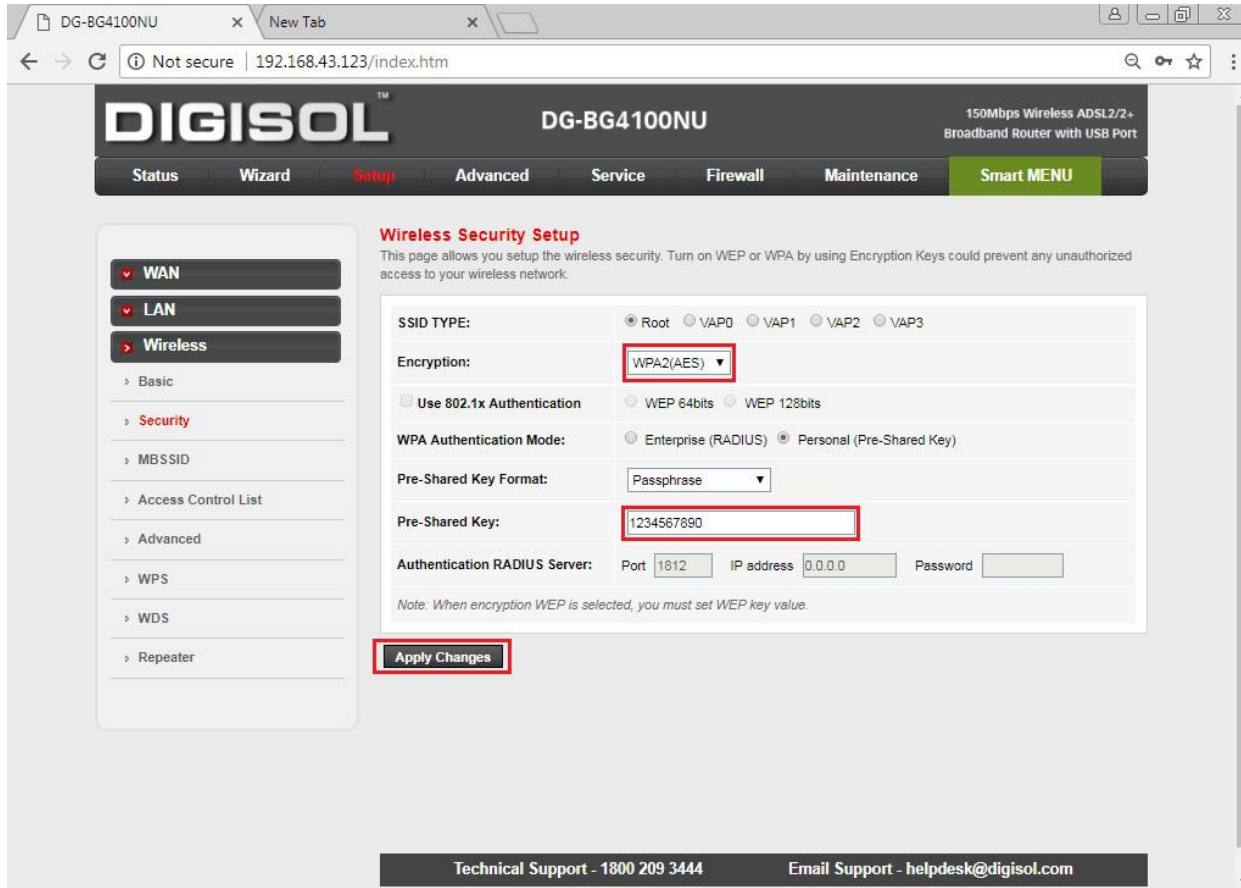
The screenshot shows the web interface of the DIGISOL DG-BG4100NU router. The browser address bar shows the URL 192.168.43.123/index.htm. The interface has a navigation menu with tabs: Status, Wizard, Setup (highlighted), Advanced, Service, Firewall, Maintenance, and Smart MENU. On the left, a sidebar menu shows options: WAN, LAN, Wireless (selected), Basic (selected), Security, MBSSID, Access Control List, Advanced, WPS, WDS, and Repeater. The main content area is titled "Wireless Basic Settings" and includes a description: "This page is used to configure the parameters for your wireless network." The settings are organized into several sections:

- Disable Wireless LAN Interface** and **Disable External Wireless Button**: Both are unchecked.
- Band**: 2.4 GHz (N)
- Mode**: AP
- SSID**: Repeater
- Channel Width**: 40MHz
- Control Sideband**: Upper
- Channel Number**: 11 (Current Channel: 11)
- Radio Power (Percent)**: 100%
- Max WiFi Clients**: 16 (1-16)
- Associated Clients**: Show Active Clients

An "Apply Changes" button is located at the bottom of the settings section. At the bottom of the page, there is a footer with "Technical Support - 1800 209 3444" and "Email Support - helpdesk@digisol.com".



Configure the security settings for the repeater mode as shown below screen. Click on “Apply Changes”



DG-BG4100NU 150Mbps Wireless ADSL2/2+ Broadband Router with USB Port

Status Wizard **Setup** Advanced Service Firewall Maintenance Smart MENU

**Wireless Security Setup**  
This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

SSID TYPE:  Root  VAP0  VAP1  VAP2  VAP3

Encryption: **WPA2(AES)**

Use 802.1x Authentication  WEP 64bits  WEP 128bits

WPA Authentication Mode:  Enterprise (RADIUS)  Personal (Pre-Shared Key)

Pre-Shared Key Format: **Passphrase**

Pre-Shared Key: **1234567890**

Authentication RADIUS Server: Port  IP address  Password

*Note: When encryption WEP is selected, you must set WEP key value.*

**Apply Changes**

Technical Support - 1800 209 3444 Email Support - helpdesk@digisol.com

Router DG-BG4100Nu will now reboot. Place the router where you would get a minimum of 50% signals from the main router.

Scan and connect to the wireless repeater SSID on your mobile or laptop and access internet.