

SOP for **REPEATER** Mode



DG-BR5411QAC

Hardware ver . A1

Firmware : RF014

SOP version : 1.0

Standard/Channel Release

Application Scenario

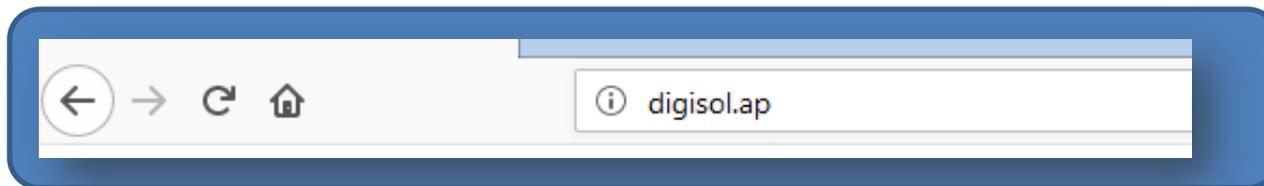


Configuration of Repeater

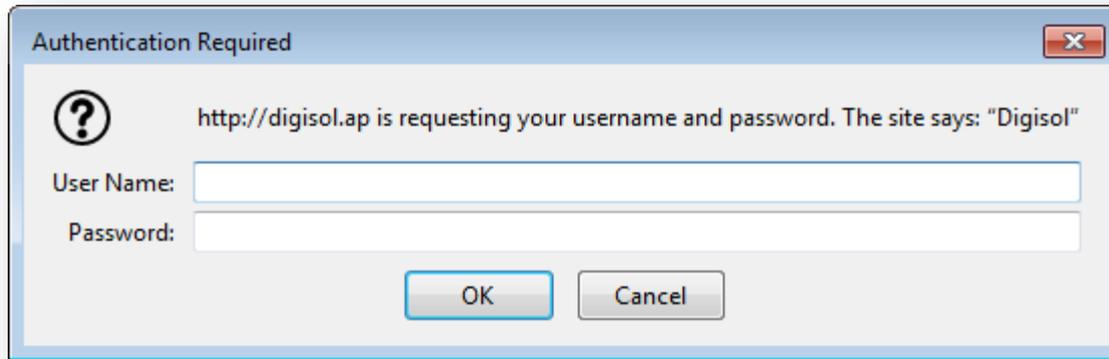
STEP 1 : Access Web Interface

Please connect your PC to DG-BR5411QAC via wireless or wired.

Open the web browser and type the IP address **http://digisol.ap** or **http://192.168.2.1** into the address bar and then Press Enter key.



Type the username and password into the boxes of the login page, and the default username and password are **admin** and **1234** , then press **Enter**.

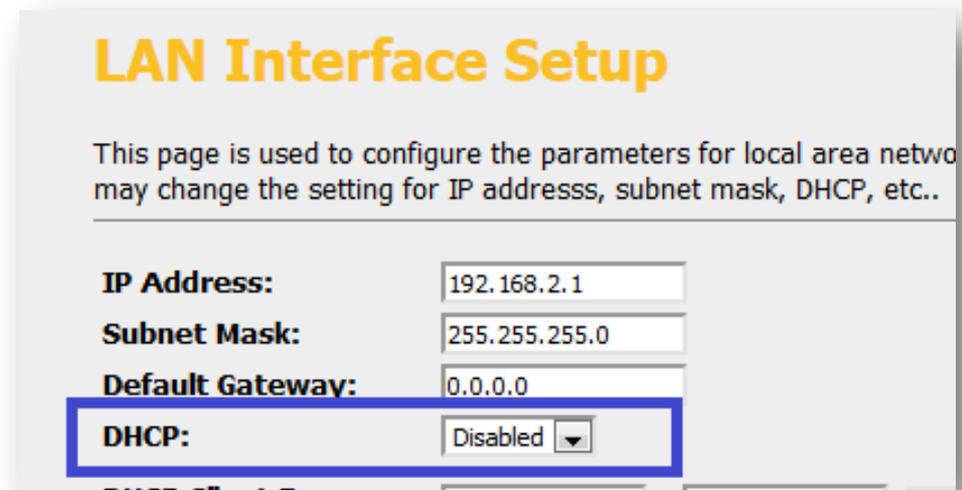


Note:

the default working mode of DG-BR5411QAC is router mode, so its web interface can only be logged in through wireless connection on default settings.

STEP 2 : Go to **NETWORK > LAN** page

Disable the **DHCP** server



LAN Interface Setup

This page is used to configure the parameters for local area network. You may change the setting for IP address, subnet mask, DHCP, etc..

IP Address:	<input type="text" value="192.168.2.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Default Gateway:	<input type="text" value="0.0.0.0"/>
DHCP:	<input type="text" value="Disabled"/>

Next Click **“Apply Changes”** button and then Click **“Reboot Later”**



Please Note : In case in future if you want to Modify/view the settings of Repeater, then you need to **Manually add the IP Address** (eg ; **192.168.2.10**) to the PC/Laptop/Smartphone
Or else You can Factory reset the repeater to reconfigure.

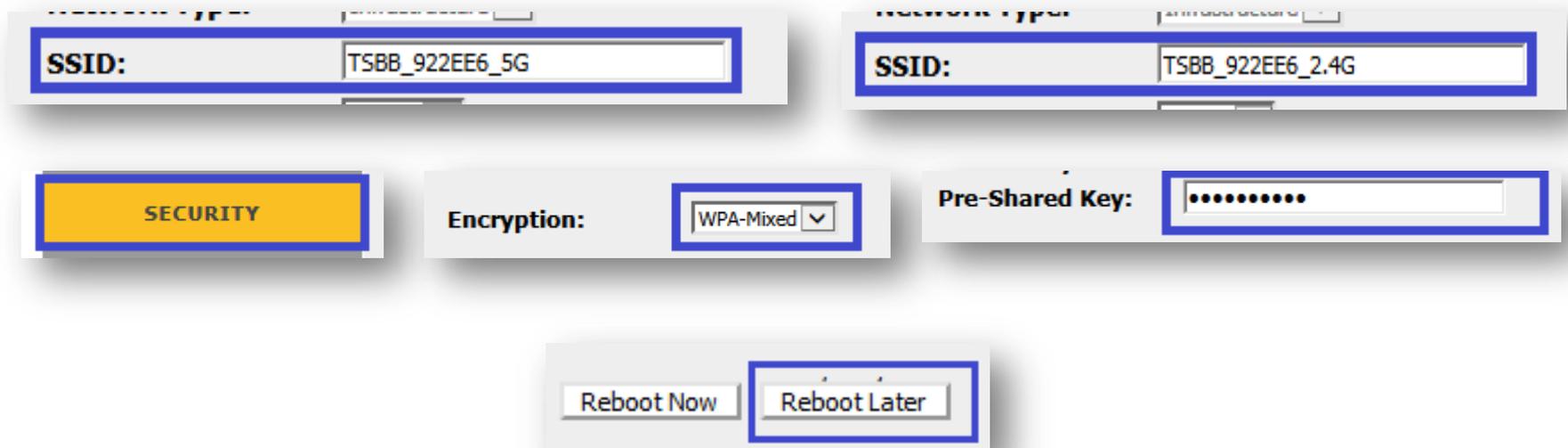
STEP 3 : Setup Wireless Name/Key (optional)

Go to WLAN1_5G and WLAN2_2.4G

As per customer requirement, Please set/customize the Wireless SSID and Password for Repeater , for both WLAN1_5G and WLAN2_2.4G bands.

This is an optional step .

This setting is only for the repeater , not for the Root / Main AP.



SSID: TSBB_922EE6_5G

SSID: TSBB_922EE6_2.4G

SECURITY

Encryption: WPA-Mixed

Pre-Shared Key:

Reboot Now Reboot Later

STEP 4: Go to > WLAN1_5G > BASIC SETTING

Select Universal Repeater mode

Enable Universal Repeater Mode (Acting as AP and client simultaneously)

Next Click **“Apply Changes”** button

Apply Changes

Next Click **“Reboot Later”** button

Change setting successfully!

Your changes have been saved. The router must be rebooted for the changes to take effect. You can reboot now, or you can continue to make other changes and reboot later.

Reboot Now

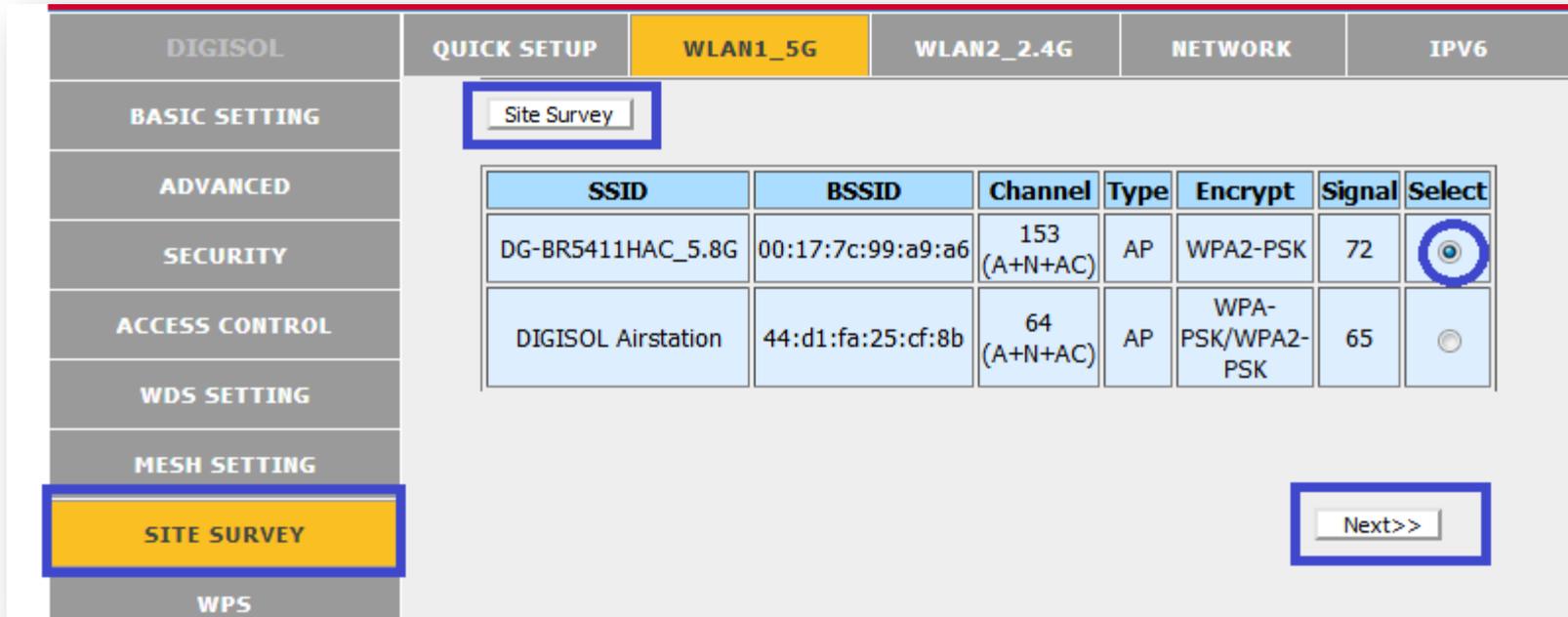
Reboot Later

Go to **SITE SURVEY** page (on leftside menu)

Click **“Site Survey”** Button

Select the SSID of Main/ Root AP

Click **“Next>>”** button



The screenshot shows the DIGISOL configuration interface. The left sidebar contains the following menu items: DIGISOL, QUICK SETUP, WLAN1_5G, WLAN2_2.4G, NETWORK, IPV6, BASIC SETTING, ADVANCED, SECURITY, ACCESS CONTROL, WDS SETTING, MESH SETTING, **SITE SURVEY**, and WPS. The main content area is titled 'Site Survey' and contains a table of detected networks. The table has the following data:

SSID	BSSID	Channel	Type	Encrypt	Signal	Select
DG-BR5411HAC_5.8G	00:17:7c:99:a9:a6	153 (A+N+AC)	AP	WPA2-PSK	72	<input checked="" type="radio"/>
DIGISOL Airstation	44:d1:fa:25:cf:8b	64 (A+N+AC)	AP	WPA-PSK/WPA2-PSK	65	<input type="radio"/>

At the bottom right of the main content area, there is a **Next>>** button.

Type the Wi-Fi password of the Root AP or MAIN Router into the **Pre-shared Key** field and
Click **Connect** button.

Wireless Site Survey -wlan1

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, when client mode is enabled.

Encryption

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

WPA Cipher Suite: TKIP AES

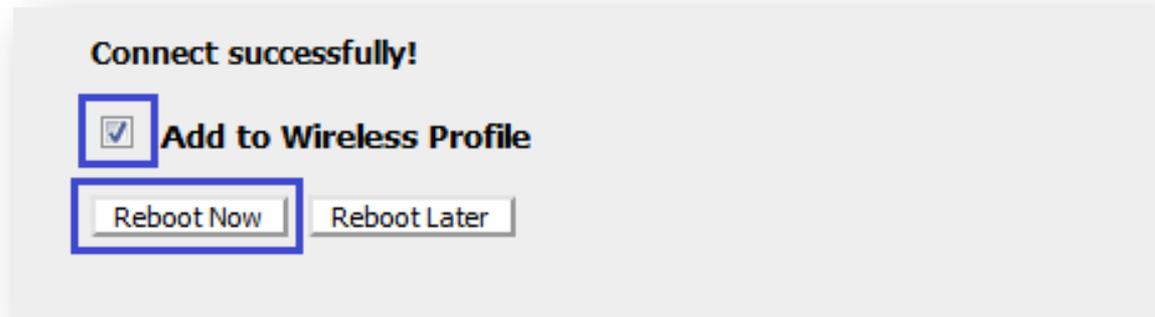
WPA2 Cipher Suite: TKIP AES

Pre-Shared Key Format:

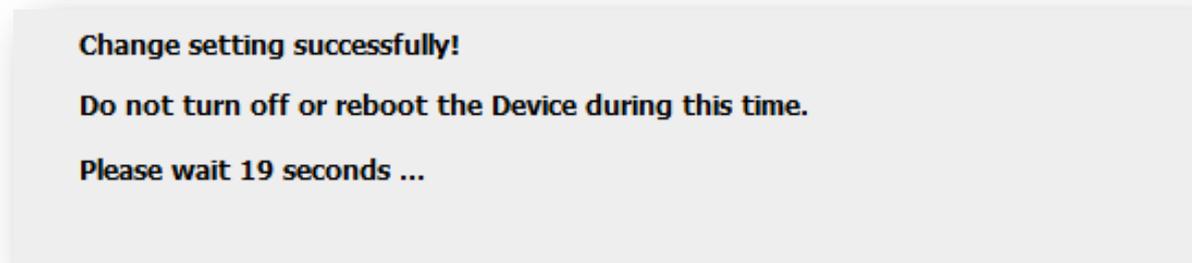
Pre-Shared Key:

Select **“Add to wireless Profile”**

Click **“Reboot Now”** button



The device will reboot with new settings to apply.



You may also Power cycle to reboot the Repeater.

How to verify Repeater is ready ?

After the reboot the PC/Laptop will obtain the new IP address from the Internet/Main Router

Ping *internet address* 8.8.8.8 or google.com

Or

Open any website www.google.com using the browser

Congratulations !!

Repeater Setup procedure is Completed.

Toll Free : 1800 209 3444

Email : helpdesk@digisol.com