SMART/RG SR400ac

802.11ac Gigabit Router User Manual

V1.0

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About User Manual

This user manual mainly describes how to install and configure the wireless router.

Organization

This user manual is organized as follows:

Chapter	Descriptio
	n
	Provides
	safety
Chapter 2 Safety Precautions	precaution
	information
	Provides a
	general
	overview
	of the
Chapter 3 : Overview	wireless
	router, and
	the
	packing
	list.
	Mainly
	describes
	the front
	and rear
Chapter 4 : Hardware Description and Hardware Installation	panels of
	the
	wireless
	router and
	the

00400000	44 01 1-14	Devidentile	N 4
SRAUUAC 8UZ	11 ac (-inanit	ROUTER LISER	wanijai
01140000 002	. I Tuo Oigubit	1100101 00001	manual

	101
	hardware
	installation
	Describes
	how to set
	the TCP/IP
	and how to
Chapter 5 : TCP/IP Settings and Wireless Connection Introduction	connect
	the
	wireless
	router
	wirelessly.
	Describes
	how to log
Chapter 6 : Logging In to the Web Page	in to the
	wireless
	router.
	Mainly
	describes
	how to
	navigate
	through
Chapter 7 · Web Configuration	the Web
	pages and
	how to
	configure
	the
	parameter
	S.
Chapter 0:	Provides
Wireless Select which wireless interface to	the
Interface configure.	troublesho

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UNANT/NO		
BSS-MAC (SSID)	Select desired BSS to configure	oting information
Mode	Show whether the BSSID is AP, WirelessBridge, WET or STA.	
BSS Enabled	Enable or disable this SSID.	
Network Name (SSID)	Set the Network Name (also known as SSID) of this network.	
Network Type	Select Closed hides the network from active areas. Select Open reveals the network to active scans.	
AP Isolation	Select On enables AP isolation mode. When enables, STAs associated to AP will not be able to communicate with each other.	
Network Bridge	Select desired bridge br0 or br1.	
BSS Max Associations Limit	Set the maximum associations for this BSS.	
WMM Advertise	When WMM is enabled for the radio, selecting On allows WMM to be advertised in beacons and probes for this BSS. Off disables advertisement of WMM in beacons and probes.	
WMF	Choose On to enable Wireless Multicast Forwarding on this BSS. Off disables the feature.	
DWDS	Enable of disable Dynamic Wireless Bridge mode.	
MCAST_REGEN	Choose On to enable Multicast Reverse Translation on this sta. Off disables the feature.	
Operational	Set Operational capabilities mode	

3

_		0
	capabilities	required for stations to associate to the
	mode required	BSS supported by the interface: none -
		no requirements on joining devices. erp -
		devices must advertise ERP (11g)
		capabilities to be allowed on a 2G band
		BSS. ht - devices must advertise HT
		(11n) capabilities to be allowed on the
		BSS. vht – devices must advertise VHT
		(11ac) capabilities to be allowed on the
		BSS.

1.1 Passpoint

Click **SSID** in the navigation bar on the top pane of the page, the **SSID** page appears. This page allows you to configure the Passpoint parameters for each Virtual/Physical interface.

	Interne	t Access: Disable	ed -	
	Network Acc	ess Type: Charge	able Public Network -	
	Interworkin	HESSID: 50:6F:	9A:00:11:22	
	P Address Type Availability In	ormation:		
		IPv4: Single	NATed Private	-
		IPv6: Not Av	vailable -	
	Network Authentication	Type List: Auth Type		Redirect URL
		Accept	tance of Terms and Conditions	Ŧ
		HTTP/	HTTPS Redirection	 https://tandc-server.
		Not Co	nfigured	•
		Not Co	onfigured	Ŧ
Realm List:	Realm Name	Encoding	Eap and Auth Information	
	mail.example.com	RFC4282	 EAP-TTLS=NonEAPInner,MSC 	HAPV2#Credential,US8
	cisco.com	RFC4282	 EAP-TTLS=NonEAPInner,MSC 	HAPV2#Credential,US
	wi-fi.org	RFC4282	 EAP-TTLS=NonEAPInner,MSC 	HAPV2#Credential,US
	wi-fi.org	RFC4282	- EAP-TLS=Credential,CERTIFIC	CATE
	example.com	RFC4282	- EAP-TLS=Credential,CERTIFI	CATE
		RFC4282	-	

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Wireless Interface	Select which wireless interface to configure.
ANQP	Elements: 802.11u ANQP Parameters
802.11status	Enable or disable 802.11u Interworking Capability for this SSID.
Internet Access	Enable or disable Internet Access capability for this SSID.
Network Access Type	Network Access Type.
Interworking HESSID	Set Interworking HESSID of this network.
IP Address Type Availability Information	Set IP Address Type Availability Information to this BSS supported by this interface.
IPv4	Set IPv4 Address Type Avaliability to this BSS supported by this interface.
IPv6	Set IPv6 Address Type Avaliability to this BSS supported by this interface.
Network Authentication Type List	Set Network Authentication Type List to the BSS supported by the interface.
Realm List	Set NAI Realm List to the BSS supported by the interface.

Click **SECURITY** in the navigation bar on the top pane of the page, the **SECURITY** page appears. This page allows you to configure security for the wireless LAN interfaces.

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Wireless Interface:	Broadcom24(00:90:4C:17:34:4C) - Select
802.11 Authentication:	Open -
802.1X Authentication:	Enabled -
WPA:	Disabled -
WPA-PSK:	Disabled -
WPA2:	Enabled -
WPA2-PSK:	Enabled -
BRCM-PSK:	Disabled -
WPA2 Preauthentication:	Enabled -
WEP Encryption	Disabled -
WPA Encryption:	AES -
RADIUS Server:	
RADIUS Port:	1812
RADIUS Key:	

The following table describes parameters in this page:

Field	Description		
Wireless	Select which wireless interface to		
Interface	configure.		
802.11	Select 802.11 authentication method.		
Authentication	Open or shared.		
802.11X	Colort Natural antheastication to a		
Authentication	Select Network anthentication type.		
	Enable/Disable WPA Authenticated Key		
WPA	Management suite.		
	Enable/Disable WPA-PSK Authenticated		
WPA-PSK	Key Management suite.		
	Enable/Disable WPA2 Authenticated Key		
VVPAZ	Management suite.		
	Enable/Disable WPA2-PSK		
VVPA2-PSK	Authenticated Key Management suite.		
DDOM DOK	Enable/Disable BRCM-PSK		
BRUM-PSK	Authenticated Key Management suite.		
WPA2 Preauthentication	Enable/Disable WPA2 Preauthentication.		

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WEP Encryption	Enable/Disable WEP data encryption.		
WPA Encryption	Select the WPA data encryption algorithm.		
RADIUS Server	Set the IP address of the RADIUS server to use for authentication and dynamic key derivation.		
RADIUS Port	Set the UDP port number of the RADIUS server. The port number is usually 1812 or 1645 and depends upon the server.		
RADIUS Key	Set the shared secret for the RADIUS connection.		

1.3 WPS

Click **WPS** in the navigation bar on the top pane of the page, the **WPS** page appears. This page allows you to configure **WPS**.

0111001011101001001 011100101110100100	BROADCOM.	WPS This page allows you to configure WPS
	Wireless Interface:	Broadcom24(00:90:4C:17:34:4C) • Se
	WPS Current Mode:	AP Disabled
	WPS Configuration:	Disabled -
	Wifi-Invite: Wifi-Invite PIN Mode:	Disabled
		Apply Cancel
List	Wifi-Invite enabled STAs:	Refresh
	Wifi-Invite enabled STAs:	Action Friendly Name N
The following tab	le describes parar	neters in this page:
Field		Description



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2		
Wireless Interface	Select which wireless interface to configure.	
WPS Current	W/DC Current Made	
Mode	WPS Current Mode	
WPS	Calast W/F: Cimple Casfie mode	
Configuration	Select WIFI Simple Config mode.	
Wifi-Invite	Enable or disable Wifi-Invite feature.	
Wifi-Invite	Set the Wifi-Invite PIN Mode to auto or	
PIN Mode	manual.	
List Wifi-Invite	Seen to find Wife Invite enabled STAs	
enabled STAs	Scan to find will-invite enabled STAS.	
Wifi-Invite	The list of Wife Invite enabled STAs	
enabled STAs	The list of will-invite enabled STAS	
After setting, cli	ck Apply to save the settings, click Cancle to	

abort the settings.

1.4 FIRMWARE

Click **FIRMWARE** in the navigation bar on the top pane of the page, the **FIRMWARE** page appears. This page allows you to upgrade the firmware.

OWARTH	C SIC+00ac 002.1 Tac Sigabit Router Oser Maridan
BROAD	FIRMWARE This page allows you to upgrade the firmware.
Boot Loade O WL Drive Dev	er Version: CFE 7.14.43.16 (r) S Version: Linux 2.6.36 (armv7) 7.14.43.16 r' Version: 7.14.43.16 (r) ice Mode:
New Download N Upload N	Firmware: Upload new Firmware VRAM file: VRAM file:
	Upload saved NVRAM file
The following tab	le describes parameters in this page:
Field	Description
Boot Loader Version	Display the current version of Boot Loader.
OS Vertion	Display the current version of OS.
WL Driver Version	Display the current version of Wireless Driver.
Device Mode	Display the current devicemode.
New Fireware	Select the new firmware to upload to the router.
Download	Push button to save NVRAM variables to
NVRAM file	file.
Upload NVRAM file	Enter filename of saved NVRAM file here.
roubleshooting	

Features

- Support IEEE802.11b, IEEE802.11g, IEEE802.11n, IEEE802.11a, IEEE802.11ac.
- Transmission data rate is up to 1900 Mbps
- Support WEP and WPA for secure data transmission
- Support DHCP server
- Support manually configuration of static routing
- Support version upgrade through Web page
- Support restoring factory default settings
- Support demilitarized zone (DMZ)
- Support DNS proxy and forwarding
- Support QoS
- Support UPnP
- Support WPS
- Support port mapping
- Support port triggering
- Support access point
- Support guest network
- Support restricting IP bandwidth
- Support filtering by LAN IP Address and Destination Port
- Support 3 types of WAN connection modes, including static IP, dynamic IP, and PPPoE
- Support remote access control
- Support firewall
- Support system status display
- Support backup and restoration of configuration file

2 Safety Precautions

Before operating the wireless router, read the following precaution information carefully:

- Use the type of power that user manual marks.
- Use the power adapter that is packed within the device package.
- Pay attention to the power load of the outlet or the prolonged lines. An overburden power outlet or damaged lines and plugs may cause electric shock or fire accident. Check the power cords regularly. If you find any damage, replace it at once.
- Proper space left for heat dissipation is necessary to avoid any damage caused by overheating to the device.
- Do not put this device close to a place where a heat source exits or high temperature occurs. Avoid the device from direct sunshine.
- Do not put this device close to a place where is over damp or watery. Do not spill any liquid on this device.
- Do not connect this device to any PC or electronic product, unless our customer engineer or your broadband provider instructs you to do this, because any wrong connection may cause any power or fire risk.
- Do not place this device on an unstable surface or support.

3 Overview

3.1 **Product Introduction**

The wireless router is a high-performance network access device. It is fully compatible with IEEE802.11b, IEEE802.11g, IEEE802.11n and IEEE802.11ac standards. It can provide reliable and convenient access service for individual users and SOHO (Small Office, Home Office).

3.2 Packing list

Please check whether your packing list includes the following items:

- Wireless router x 1
- Power adapter (12V DC,3A) x 1

4 Hardware Description and Hardware Installation

4.1 Front Panel and LED Status

There are 12 LED indicators on the front panel of the wireless router. By observing their status, you can check whether the device runs normally.



SMART/RG SR400ac 802.11ac Gigabit Router User Manual The following table describes the status of LED indicators on the front panel.

Indicator	Color	Status	Description
		On	The device is powered on and the device is operating normally.
	vvnite	Blink	The device is initializing.
U		Off	The device is powered off.
power		On	The device is in CFE recovery mode.
ponol	Amber	Blink	The software is upgrading or the RESET button was pressed.
		On	Ethernet WAN interface is connected at 1000 BASE-T.
	White	Blink	Data is being transmitted through the Ethernet WAN interface.
WAN		Off	The Ethernet WAN interface is disconnected.
WAN		On	Ethernet WAN interface is connected at 10/100 BASE-T.
	Green	Blink	Data is being transmitted through the Ethernet WAN interface.
		Off	The Ethernet WAN interface is disconnected.

		On	Internet is synchronized successfully in routed mode.
	White	Blink	Internet data is being transmitted.
		Off	Ethernet WAN interface is disconnected.
Internet	Red	On	Internet Authentication/Connection has failed.
	Neu	Off	Normally off.
		On	The Ethernet interface is connected at 10/100 BASE-T.
	Green	Blink	Data is being transmitted through the Ethernet interface.
		Off	The Ethernet interface is disconnected.
● <u></u>	White	On	The connection of 3G/4G dongle or USB flash disk is established @ USB 2.0 Low-Speed (480Mbps)
USB 1		Blink	Data is being transmitted.

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	0111000	
		No USB device is connected or someone clicked
	Off	the Safely Remove Hardware button, and it is
		now safe to remove the attached USB device.
		The connection of 3G/4G dongle or USB flash
	On	disk is established @ USB 3 High-Speed
		(5Gbps).
		Data is being transmitted @ USB 3.0 High-Speed
White	Blink	(5Gbps).
		No USB device is connected or someone clicked
	Off	the Safely Remove Hardware button, and it is
		now safe to remove the attached USB device.
		The connection of 3G/4G dongle or USB flash
	On	disk is established @ USB 2.0 Low-Speed
		(480Mbps).
		Data is being transmitted @ USB 2.0 Low-Speed
Green	Blink	(480Mbps).
		No USB device is connected or someone clicked
	Off	the Safely Remove Hardware button, and it is
		now safe to remove the attached USB device.
	0	
	On	i ne 2.4GHz WIFi radio is operating.
White		The router is sending/receiving WiFi traffic on
	Blink	2.4GHz band.
	White	Off On White Blink Off Off Green Blink Off Off Off Blink

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		Off	The 2.4GHz WiFi radio is off/disabled.
		On	The 5GHz WiFi radio is operating.
5GHz 5GHz	White	Blink	The router is sending/receiving WiFi traffic on 5GHz band.
		Off	The 5GHz WiFi radio is off/disabled.
		On	WPS pairing process was successful.
((• 🔒 •)) Wr	White	Blink	WPS pairing process is active.
WPS		Off	WPS pairing process is inactive.
		On	The Ethernet interface is connected at 1000 BASE-T.
LAN 1/2/3/4	White	Blink	Data is being transmitted through the Ethernet interface.
		Off	The Ethernet interface is disconnected.

4.2 Side Panel and Interface Description



The following table describes interfaces and buttons on the side panel.

Interface/Button	Description
	This button is used for enabling WPS PBC mode. When WPS
WPS	is enabled, press this button, and the AP starts to accept
	negotiation of PBC mode.
Wifi	Turn on/off Wifi.
USB3.0	USB 3.0 interface.
On/Off	Turn/off the router.

4.3 Rear Panel and Interface Description





|--|

Interface/Button	Description
LAN1/LAN2/	RJ45 LAN interfaces, for connecting hub, switch, or computer
LAN3/LAN4	in a LAN.
	RJ45 WAN interface, for connecting WAN or the uplink
WAN	network devices.
	Use a fine needle to press Reset gently for 3-6 seconds and
Reset	then release the button. The system reboots and restores to
	the factory defaults.
USB 2.0	USB 2.0 interface.
Power	Power socket, for connecting the power adapter.

▲ Caution:

Do not press Reset unless you want to clear the current settings. The Reset button is in a small circular hole on the rear panel. If you want to restore the default settings, please press Reset gently for 3-6 seconds with a fine needle inserted into the hole and then release the button. The system reboots and restores to the factory default settings.

The power specification is 12V, 3A. If the power adapter does not match the specification, the device may be damaged.

4.4 Hardware Installation

4.4.1 System Requirements

Before installing the device, please ensure that the following items are ready:

- At least one Ethernet RJ45 cable (10/100/1000Base-T)
- One wireless router
- A PC is already installed with the TCP/IP protocol and the PC can access the Internet.

4.4.2 Before You Begin

Before you install the device, please pay attention to the following items:

- When the device is connected to a computer, hub, router or switch, the Ethernet cable should be less than 100 meters.
- Do not place this device on an unstable surface or support. Do not put this device on the ground.
- Keep the device clean. Avoid the device from direct sunshine. Avoid any metal in the device.
- Place the device in the center of the area, and try to optimize the wireless coverage.

4.4.3 Connecting the Device

To connect the device, do as follows:

- Step 1 Connect one end of the RJ45 cable to the LAN interface of the wireless router.
- Step 2 Connect the other end of the RJ45 cable to your PC.
- Step 3 Connect the power adapter to the power socket of the wireless router.

4.5 Operation Range

The operation range of the wireless router depends on the actual environment. The path and effect of signal transmission vary according to the deployment in a house or an office. We suggest indoor use.

4.6 Roaming

Suppose that several wireless routers run in the same network. Each wireless router serves as a BSS that has its coverage range. One wireless client (for example, a notebook PC or PDA) can realize roaming from one AP to another AP accurately. In that case, the wireless client can communicate with the other devices within the coverage range of the wireless router.



To realize roaming in the coverage range of the wireless router by a wireless client, you need to set the APs properly as follows:

- Set the same SSID for different APs.
- The SSIDs of all the computers and PDAs should be consistent with that of APs.
- All the BSSs must use the same wireless channel.
- If the encryption function is enabled, all wireless routers must be configured with the same encryption mode and encryption key for establishing connection.
- Wireless routers must keep coverage of uninterrupted wireless signals in the whole operation environment. Hence, please put wireless routers to the appropriate places.

5 TCP/IP Settings and Wireless Connection Introduction

5.1 TCP/IP Settings

By default, the LAN IP address of the wireless router is 192.168.1.1, the subnet mask is 255.255.255.0, and the DHCP server is enabled.

It is recommended to set the network adapter to **Obtain an IP address automatically**. Then, your PC obtains the TCP/IP settings, including the IP address, subnet mask, gateway, and DNS address automatically through the wireless router. If you know the settings of the current LAN interface, you can manually set the TCP/IP properties of the network adapter, so that your PC can communicate with the wireless router.

To manually set the network adapter, do as follows:

Step 1 Right-click the icon of My Network Places and choose Properties from the menu. The Network Connections window appears.





S Network Connections	
File Edit View Favorites Tools Advanced Help	1
🔇 Back + 🕥 + 🎓 Search 🌮 Folders 🛄 -	
Address 🔕 Network Connections	🖌 🔁 Go
Network Tasks	
Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create network. Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Create a new concerned on Image: Connection Image: Create a new concerned on Image: Connection Image: Connection Image: Connection Image: Conn	
Other Places (2) Repair	
Control Panel Control Panel My Network Places My Documents My Computer Properties	
Details 🔅	
Local Area Connection	

A Note:

If multiple network cards are installed on your PC, a window other than the **Local Area Connections Properties** window may appears.

Step 3 Double-click Internet Protocol (TCP/IP) and the Internet Protocol (TCP/IP) Properties window appears.



Step 4 Select Use the following IP address and enter the IP address of the network adapter. The IP address must be 192.168. 1.X (X is a number in the range of 2 to 254). If you want to access the Internet through a wireless router, you need to enter the default gateway and IP address of the DNS server correctly.

O Dbtain an IP address automatic	
	cally
() Use the following IP address:	
IP address:	192.168.1.123
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.1.1
Obtain DNS server address aut Obtain DNS server a Preferred DNS server: Alternate DNS server:	tomatically addresses:

Step 5 Set the subnet mask and click OK.

Step 6 After setting, you can ping the default IP address of the wireless router, to check whether the current connection between the PC and the wireless router is normal. Choose Start > Run from the desktop and enter ping 192.168.1.1. See the following figure:

Run	? 🛛
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	ping 192.168.1.1
	OK Cancel Browse

Note:

192.168.1.1 in the **ping** command is the default IP address of the LAN interface. If the IP address changes, enter the current IP address instead.

Step 7 If the PC can ping through the default IP address of the wireless router, the following page appears, indicating that the connection between your PC and the wireless router is normal.

ex C:\TINDOWS\system32\ping.exe	<u> </u>
	▲
Pinging 192.168.1.1 with 32 bytes of data:	
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64	
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64	
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64	

5.2 Wireless Connection Introduction

By default, the AP function of the wireless router is enabled. If you use a wireless network adapter, do as follows to establish the connection:



 Step 1
 Enable the wireless network adapter on your PC and ensure that the

 Wireless Zero Configuration tool is available. Right-click the Wireless

 Network Connection icon and choose View Available Wireless

 Networks from the menu.

LAN or High-Spee	d Internet
Wireless Not conn	Network Connection 2 ected, Firewalled Connected, Firewalled
(p) HED HED	Disable Plerated AMD PCN
	View Available Wireless Networks
	Status
	Repair
	Bridge Connections
	Create Shortcut
	Delete
	Rename
	Properties

- Step 2 In the Wireless Network Connection page, click Refresh network list and the network list is refreshed. The default SSID of the wireless router is Broadcom24 (2.4G) or Broadcom58 (5.8G). Select the wireless router that you want to connect and click Connect. The default wireless security mode is None, and you can connect the wireless router directly without the encryption key in this mode. If the wireless router is encrypted, you need to enter the correct key to connect to the wireless router.
- Step 3 If you are not sure of the available SSID, please log in to the Web page of the wireless router, and view the SSID in the SSID page of the wireless settings.



Note:

After your wireless network card connects to the wireless router successfully, usually, you should set the network adapter to **Obtain an IP address automatically**. The configuration of wireless connection is now complete.

6 Logging In to the Web Page

Run the Internet Explorer (IE), enter *http://192.168.1.1/* (the default IP address of the wireless router) in the address bar, and press **Enter**.

Invalid syntax error - Microsoft Internet Explorer													
File	Edit	View	Favorites	Tools	s He	lp							
G	Back	- Θ) - 🗙	2	6	🔎 Search	📌 Favorites	Ø	8.	ا 🍓	2	1	-88
Addre	ess 🧶	http:19	2.168.1.1										

In the pop-up window, enter the user name and password, and click Login.

Note:

The default user name is void and the default password is **admin**.

After logging in to the Web page, you can view, configure and modify the router settings. To make the settings and changes take effect, you need to reboot the wireless router sometimes.

▲ Caution:

If you are managing the wireless router through the Web page, do not cut off the power supply. Otherwise, the device may be damaged.

7 Web Configuration

7.1 Basic

You can set the basic operation of the router by following this wizard. To configure the basic operation, do as follows:

Step 1After login, click Basic in the navigation bar on the top pane of the page.The Basic page appears.

BROADCOM.	BASIC This page allows you to configure the basic operation of the router.
Local Time:	Wed, 31 Dec 1969 16:37:02 -0800
Router Username: Router Password:	•••••
Router Mode: Firewall: WAN HTTP Port:	Router • Enabled •
Time Zone: NTP Servers:	Pacific Time
Syslog IP Address:	
UPnP: Connection Logging:	Enabled V Disabled V
Coma Mode Sleep Time:	Apply Cancel Restore Defaults Reboot

The following table describes parameters in this page:

Field	Description	
Local Time	Show the local time as kept in the router.	

2	0	
.3	U	
-	×.	

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Field	Description
Router Username	Set the username for access to these configuration pages.
Router Password	Set the password for access to these configuration pages, Leave this filed and Router Username blank to disable access control.
Router Mode	Choose Router or Access Point here.
Firewall	Sets whether the firewall shoule be disabled, Connetctions from the WAN are allowed if the firewall is disabled.
WAN HTTP Port	Sets the HTTP prot to use for remote access to these configuration pages. Leave this field blank to disable remote access.
Time Zone	Set the tme zone of this locale. You may choose Pacific Time, Mountain Time, Central Time, Eastern Time here.
NTP Server	Set the IP address of the NTP servers to use for time synchronization.
Syslog IP Address	System log messages will be sent to this IP address.
UPnP	Set whether Universal Plug and Play (UPnP) is enabled.
Connection Logging	Sets which connections through the router shoule be logged. Seletcing Denied enables logging of denied connections. Select Accepted enables logging of accepted connections. Select Both enables logging of both denied and accepted connections.
Coma Mode Sleep Time	Set the coma mode interval in seconds before reset.

7.2 LAN

Click **LAN** to switch to LAN configuration page. In this page, you can configure the parameters of the LAN port. You can modify the IP address of the LAN port according to the actual network environment. This router supports Guest Network, so you can set LAN configuration on both Internel Network and Guest Network.

7.2.1 Basic LAN configuration

	LAN This page allows	you to configure the LAN of the router.
Configured Networks: MAC Address	Internal Network	Guest Network
LAN Interface:	br0	br1
Protocol:	Static 👻	Static 👻
IP Address:	192.168.1.1	192.168.2.1
Subnet Mask:	255.255.255.0	255.255.255.0
Default Gateway:	192.168.1.1	192.168.2.1

The following table describes parameters in this picture:

Field	Description
MAC Address	Show the MAC address of LAN interface
LAN Interface	Selects interfaces for LAN
Protocol	Set the method to use to obtain an IP address of the LAN interface
IP Address	Set the IP address of the LAN interface
Subnet Mask	Set the IP netmask of the LAN interface
Default Gateway	Set the default gateway of the LAN interface

7.2.2 DHCP configuration

DHCP Server:	Enabled -	Enabled 👻
DHCP Starting IP Address:	192.168.1.100	192.168.2.100
DHCP Ending IP Address:	192.168.1.150	192.168.2.150
DHCP Lease Time:	86400	86400
Spanning Tree Protocol:	Enabled -	Enabled -

The following table describes parameters in this picture:

Field	Description
DHCP Server	If it is set Enabled, the router serves as the DHCP server
	and automatically assigns IP addresses for all connected
	computers.
DHPC Starting IP	The first address in a consecutive IP address pool.
Address	
DHCP Ending IP	The last address in a consecutive IP address pool.
Address	
DHCP Lease Time	After the DHCP lease time elapsed, the router automatically
	assigns new IP addresses for all connected computers.
Spanning Tree	Enable/Disable Spanning Tree Protocol
Protocol	

7.2.3 IPv6 configuration

IPv6 Mode:	6to4+Native IPv6 •	Disabled	•
IPv6 LAN Network Prefix:	2001:db8:1:0::/64		
IPv6 DNS Server:			
IPv6 6to4 subnet ID:	0		

This router support IPv6, you can set IPv6 configuration in this page. The following table describes these parameters:

Field	Description
IPv6 Mode	If it is set Disabled, IPv6 function is denied. To use IPv6,
	choose 6to4 only, native IPv6 Only or 6to4+Native IPv6.

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Field	Description
	6to4 is an Internet transition mechanism for migrating
	from IPv4 to IPv6, a system that allows IPv6 packets to be
	transmitted over an IPv4 network (generally the
	IPv4 Internet) without the need to configure explicittunnels.
IPv6 LAN Network	Set IPv6 LAN Network Prefix here.
Prefix	
IPv6 DNS Server	If you want to surf the Internet through IPv6, IPv6 DNS
	Server must be set.
IPv6 6to4 subnet ID	Set the 6to4 subnet ID(0-65535).

7.2.4 Static Routes

Static Routes:	IP Address	Subnet Mask	Gateway	Metric

Static routes is a form of routing that occurs when a router uses a manually-configured routing entry, rather than information from a dynamic routing traffic.You can set the Static Routes for Internal Network and Guest Network in this page.

7.3 WAN

Click **WAN** in the navigation bar on the top pane of the page, the **WAN** page appears. The router supports 3 modes of WAN connection, including **DHCP**, **Static**, or **PPPoE**. In this page, you can select the appropriate WAN connection and configure the relevant parameters according to the actual requirements.

BROADCOM.	WAN This page allows you to configure the WAN connections of the router.
Connection:	Default Connection
	New Delete
Description:	Default Connection
Interface:	eth0 (00:90:4C:0F:F4:4C) -
Protocol:	DHCP -
Primary:	Yes -

• DHCP

If you select DHCP, the router automatically obtains IP address, subnet mask, and IP address of the gateway from the ISP. Select this connection mode if the ISP does not provide any IP network parameters.

• Static IP (Fixed)

If the ISP provides the information of the IP address, subnet mask, gateway, and DNS server, select **Static**. For detailed settings, refer to your ISP.

Host Name:	
Domain Name:	
MAC Address:	
IP Address:	0.0.00
Subnet Mask:	0.0.00
Default Gateway:	0.0.00
DNS Servers:	
WINS Servers:	

SMART/RG SR400ac 802.11ac Gigabit Router User Manual The following table describes parameters in the above picture:

Field	Description
Host Name	Some ISPs require that a host name be provided when requesting an IP address through DHCP.
Domain Name	Set the domain name to be provided to LAN clients who request an IP address through DHCP
MAC Address	Some ISPs require that a specific MAC address be used. Also known as MAC address cloning, this feature allows you to set the MAC address of the WAN interface.
IP Address	Enter the WAN IP address provided by the ISP. It cannot be null.
Subnet Mask	Enter the WAN subnet mask provided by the ISP. It varies depending on the network type. It is usually 255.255.255.0 (Class C).
Default Gateway	Enter the IP address of the gateway provided by the ISP. It is the IP address used for connecting to the ISP.
DNS Servers	Set the IP address of the DNS servers to use for resolving host names.
WINS Servers	Set the IP address of the WINS servers to use for resolving NetBIOs names.

After setting, click **Apply** to save the settings.

• PPPoE

If the ISP provides the user name and password for PPPoE dialup, select **PPPoE**.



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Field	Description						
PPPoE Username	Set the username to use when authenricating with a PPPoE						
	server.						
PPPoE Password	Set the password to use when authenticating with a \ensuremath{PPPoE}						
	server						
PPPoE Server Name	Set the PPPoE server name.						
PPPoE Access							
Concentrator	Set the name of the PPPOE access concentrator.						
PPPoE Connect on	Set whether the PPPoE link should be automatically						
Demand	disconnected if no traffic has been observed for the period						
Demana	specified by PPPoE Max Idle Time.						
PPPoE Max Idle	Set the number of seconds to wait before disconnecting the						
Time	PPPoE link if PPPoE Connect On is Enabled.						
	Set whether PPPoE link should be automatically restored if it						
PPPoE Keep Alive	is lost. This setting has no effect if PPPoE Connect On						
	Demand is Enabled.						
	Set the maximum number of bytes that the PPPoE interface						
	will receive in a single Ethernet frame.						
	Set the maximum number of bytes that the PPPoE interface						
	will transmit in a single Ethernet frame.						

After setting, click $\ensuremath{\textbf{Apply}}$ to save the settings.

7.4 STATUS

Click **STATUS** in the navigation bar on the top pane of the page, the **STATUS** page appears. You can check the system up time since the router was booted and the log of recent connection attempts.



7.5 FILTERS

Click **FILTERS** in the navigation bar on the top pane of the page, the **FILTERS** page appears. This page allows you to configure LAN filters for the router. The LAN machines affected by the filters will not be able to communicate through the WAN but will be able to communicate with each other and with the router itself.

	LAN MAC Filter Mode: LAN MAC Filters:	Deny •												
LAN Client Filters:	LWI IP Address Range	Protoco		Destrution		From		Ťo .		fram		To		Enable
		TCP		PortRange	-	Sunday		Sunday		12:00 AM		12:00 AN		11
	2	TCP			-	Sunday		Sunday		12:00 AM		12:00 AM		10
		TCP	•		1	Sunday		Sunday		12:00 AM		12:00 AM		10
		TCP				Sunday		Sunday		12:00 AM		12:00 AM	4 -	
	1	TCP			-	Sunday	•.	Sunday		12:00 AM	•	12:00 AM	4 -	12
	1	TCP				Sunday	•	Sunday		12:00 AM	•	12:00 AM	4 -	
	실	TCP	•		-	Sunday	•	Sunday	•	12:00 AM	•	12:00 AM	4. •	11
	+	TCP	•		-	Sunday		Sunday		12:00 AM	•	12:00 AM	1 .	
		TCP	•			Sunday	•	Sunday	•	12:00 AM	•	12:00 AM	1 -	10
	1	TCP				Sunday		Sunday		12:00 AM	•	12:00 AM	4 +	10

Apply Cancel

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The following table describes parameters in this page:

Field	Description				
LAN MAC Fiter	Select whether clients with the specified MAC address are				
Mode	allowed of denied access to the router and the WAN				
	Filter packets from LAN machines with the specified MAC				
LAN MAC Fiters	address. The MAC address format is XX: XX: XX: XX: XX: XX:				
	XX: XX: XX				
	Filter packets from IP addresses destinined to certain port				
LAN Client Filters	ranges during the specified times.				

After setting, click **Apply** to save the settings.

7.6 ROUTING

Click **ROUTING** in the navigation bar on the top pane of the page, the **ROUTING** page appears. This page allows you to configure port forwarding for the router. Requests to the specified WAN port range will be forwarded to the port range of the LAN machine. You may also configure static routes here.

Port Forwards:	Protocol	WAN Port Start	WAN Port End	LAN IP Address	LAN Port Start	LAN Port End	Enabled
	тср 🗸		-	>	:	-	
	тср 🗸		}	>	:	-	
	тср 🗸			>	:	-	
	тср 🗸		}	>	:	-	
	тср 🗸		-	>	:	-	
	TCP -		}	>	:	-	
	TCP -		}	>	:	-	
	TCP -		-	>	:	-	
	тср 🔹		-	>	:	-	
	тср 🗸		-	>	:	-	
NAT Type:	Symme	etric NAT	•				
DMZ IP Address:							
	Apply	Canc	el				

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The following table describes parameters in this page:

Field	Description
Port Forwards	Forward packets destined to ports in the first range to the LAN machine with the specified IP address. You may optionally specify a second range (the range may not overlap and must be the same size).
NAT Туре	Symmetric NAT is more secured, Cone NAT traversal technology like Teredo.
DMZ IP Address	Forward all other incoming WAN packets to the LAN machine with the specified IP address.

After setting, click Apply to save the settings, click Cancle to abort the settings.

7.7 QOS

Click **QOS** in the navigation bar on the top pane of the page, the **QOS** page appears. This page allows you to configure the new Broadcom IQos feature.



SMART/RG SR400ac 802.11ac Gigabit Router User Manual The following table describes parameters in this page:

Field	Description	
Enable Qos	Enable the Qos feature.	
Prioritizes ACK	Prioritize the transmit ACK packets.	
Prioritize ICMP	Prioritize the ICMP packets (PING replies, etc).	
Default Traffic Class	IQos default traffic class for unclassified traffic.	
	Inbound Classes (% Max Input BW)	
BW Max inbound	Set the maximum bw for inbound traffic.	
Highest	Highest Priority settings in percent of max BW	
High	High Priority settings in percent of max BW	
Medium	Medium Priority settings in percent of max BW	
Low	Low Priority settings in percent of max BW	
lowest	Lowest Priority settings in percent of max BW	
	Outbound classes (% Max Output BW)	
BW Max outbound:	Set the maximum bw for outbound traffic.	
Highest	Highest Priority settings in percent of max BW	
High	High Priority settings in percent of max BW	
Medium	Medium Priority settings in percent of max BW	
Low	Low Priority settings in percent of max BW	
lowest	Lowest Priority settings in percent of max BW	

After setting, click **Apply** to save the settings, click **Cancle** to abort the settings.

7.8 Media

Click Media in the navigation bar on the top pane of the page, the Media page

appears. This page allows you to configure the basic Media related parameters.



The following table describes parameters in this page:

Field	Description			
Enable IGMP Proxy	Enable IGMP Proxy in AP mode: 0: disable; 1: enable.			
BandSteering	Role of BandSteering Daemon: 0: disable; 1: primary;			
Daemon	2:helper; 3: standalone.			
BSD Role Config				
Helper Addr&Port	BAD Helper Addr and Port.			
Primary Addr&Port	BAD Primary Addr and Port.			
Wireless Interface	Select which Interface to configure.			
Airtime Fairness	Provide Airtime Fairness between multiple links.			

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Field		Description	
Stalled	Link		
Detection		Stalled Link Detection Threshold, 0 to disable.	
Threshold			
Packet	Saving	Sat DeProtond rates limit 0 to disable	
Retry Limit		Set PSPtetend tetry limit, 0 to disable.	
Unicast	IGMP	Convert multicast ICMD may peaket to unicest may peaket	
Query		Convert multicast IGMP mac packet to unicast mac packet.	
Multicast	Data	Send (sendup) multicast packets from EMF/WMF to host	
Sendup		always.	
Send m	nulticast	Sand multicast poskets to DSTA	
packets to P	STA	Sena municasi packeis lo PSTA.	

After setting, click **Apply** to save the settings, click **Cancle** to abort the settings.

7.9 Storage

Click **Storage** in the navigation bar on the top pane of the page, the **Storage** page appears. This page displays Storage tools.

1001001	Storage
BROADCOM.	This page displays Storage to
everything"	
DLNA Server:	Enabled -
Content Directory:	/tmp/media/nand
DLNA Renderer:	Enabled -
Samba Mode:	Disabled -
User Name: Password:	admin
	Apply Cancel

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The following table describes parameters in this page:

Field	Description	
DLNA Server	Set whether DLNA Server is enabled.	
Content Directory	Tell DLNA Server which directory is going to scan.	
DLNA Renderer	Set whether DLNA Renderer is enabled.	
Samba Mode	Set Samba Mode.	
User Name	Samba User Name.	
Password	Set samba password for remote connection.	

7.10 Radio

Wireless Interface:	(00:90:4C:17:34:4C) -	
Country:	SAN MARINO	Current: SM
Regulatory Revision:	0 - Current: 0	
Interface:	Enabled *	
802.11 Band:	2.4 GHz - Current: 2.4 GHz	
Channel Specification:	Auto - Current: 6I ***Interference Level: Acceptable	
802.11 n-mode:	Auto -	
Bandwidth:	40 MHz - Current: 40MHz	
NPHY Rate:	Auto -	
NPHY TxChains:	3 -	
NPHY RxChains:	3 -	
54g™ Mode:	54g Auto -	
802.11n Protection:	Auto -	
VLAN Priority Support:	Off -	
Rate:	1 Mbps -	
Basic Rate Set:	Default -	
Multicast Rate:	Auto -	
Regulatory Mode:	Off -	
DFS Preferred Channel List:		
TPC Mitigation (db):	0 (Off) -	
OBSS Coexistence:	Off -	

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Click $\ensuremath{\textbf{Radio}}$ in the navigation bar on the top pane of the page, the $\ensuremath{\textbf{Radio}}$ page

appears. This page allows you to configure the Physical Wireless interfaces.

The following table describes parameters in this page:

Field	Description		
Wireless Interface	Select which wireless interface to configure.		
Country	Restrinct the channel set based on country requirements.		
Interface	Enable or disable the wireless interface.		
802.11 Band	Select a channel specification.		
Channel Specification	Select a Channel Specification.		
802.11 n-mode	Enale/disable 802.11 N supply.		
Bandwidth	Select channel Bandwidth.		
NPHY Rate	Select NPHY Rate (MCS Index).		
NPHY TxChains	Select number of transmit chains to use.		
NPHY RxChains	Select number of receive chains to support.		
54g™ Mode	Set the mode to 54g Auto for the widest compatibility. Set the mode to 54g Performance for the fastest performance among 54g certified equipment. Set the mode to 54g LRS if you are experiencing difficulty with legacy 802.11b equipment.		
802.11n Protection	In Automode the AP will use RTS/CTS to improve 802.11n performance in mixed 802.11n/a/b/g networks. Turn protection off to maximize 802.11n throughput under most conditions.		
VLAN Priority Support	Advertise packet priority using VLAN tag.		
Rate	Force the transmission rate for the AP to a particular speed.		

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Field	Description							
Basic Rate Set	Select the basic rates that wireless clients must support.							
Multicast Rate	Force the multicast/broadcast transmission rate for the AP to a particular speed.							
Regulatory Mode	Select a regulatory mode to use.							
TPC Mitigation (db)	Power Mitigation factor (in db).							
OBSS Coexistence	Enable/disable Overlapping BSS Coexisistence aka 20/40 Coex.							

7.11 SSID

Click **SSID** in the navigation bar on the top pane of the page, the **SSID** page appears. This page allows you to configure the Virtual interfaces for each Physical interface.

Wireless Interface:	(00:90:4C:17:34:4C) -
BSS-MAC (SSID):	00:90:4C:17:34:4C (Broadcom24 enabled) -
Mode:	Access Point
BSS Enabled:	Enabled 👻
Network Name (SSID):	Broadcom24
Network Type:	Open -
AP Isolation:	Off -
Network Bridge:	LAN -
BSS Max Associations Limit:	32
WMM Advertise:	Advertise -
WMF:	Off -
DWDS:	Off -
MCAST_REGEN:	On 👻
Operational capabilities mode required:	none -

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The following	table desc	ribes parame	eters in this	s page:
				page.

Wireless Interface	Select which wireless interface to configure.		
BSS-MAC (SSID)	Select desired BSS to configure		
Mode	Show whether the BSSID is AP, WirelessBridge, WET or STA.		
BSS Enabled	Enable or disable this SSID.		
Network Name (SSID)	Set the Network Name (also known as SSID) of this network.		
Network Type	Select Closed hides the network from active areas. Select Open reveals the network to active scans.		
AP Isolation	Select On enables AP isolation mode. When enables, STAs associated to AP will not be able to communicate with each other.		
Network Bridge	Select desired bridge br0 or br1.		
BSS Max Associations Limit	Set the maximum associations for this BSS.		
WMM Advertise	When WMM is enabled for the radio, selecting On allows WMM to be advertised in beacons and probes for this BSS. Off disables advertisement of WMM in beacons and probes.		
WMF	Choose On to enable Wireless Multicast Forwarding on this BSS. Off disables the feature.		
DWDS	Enable of disable Dynamic Wireless Bridge mode.		
MCAST_REGEN	Choose On to enable Multicast Reverse Translation on this sta. Off disables the feature.		
Operational capabilities mode required	Set Operational capabilities mode required for stations to associate to the BSS supported by the interface: none – no requirements on joining devices. erp – devices must advertise ERP (11g) capabilities to be allowed on a 2G band BSS. ht – devices must advertise HT (11n) capabilities to be allowed on the BSS. vht – devices must		

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advertise VHT (11ac) capabilities to be allowed on the BSS.

7.12 Passpoint

Click SSID in the navigation bar on the top pane of the page, the SSID page

appears. This page allows you to configure the Passpoint parameters for each

Virtual/Physical interface.

	Wireless Interfac	e: Broado	om24(00:90:4C:17:34:4C) - Select		
	ANOP Element 802.11u Statu Internet Acces Network Access Typ Interworking HESSI	s: 802.11u s: Disable s: Disable e: Charga D: 50:6F:9	ANOP Parameters d ed ble Public Network - M:00:11:22		
Li I	P Address Type Availability Informatio IPv IPv	4: Single I 6: Not Ava	NATed Private -		
	Network Authentication Type Lit	Auth Type Accepta HTTP/h Not Cor Not Cor	Ance of Terms and Conditions - HTTPS Redirection - https://tando-server.wi-fi.org nfigured -		
Realm List:	Realm Name mail.example.com cisco.com wi-fi.org wi-fi.org example.com	Encoding RFC4282 - RFC4282 - RFC4282 - RFC4282 - RFC4282 - RFC4282 - RFC4282 -	Eap and Auth Information EAP-TTLS=NonEAPInner,MSCHAPV2#Credential,USERNAME_PASSV EAP-TTLS=NonEAPInner,MSCHAPV2#Credential,USERNAME_PASSV EAP-TTLS=NonEAPInner,MSCHAPV2#Credential,USERNAME_PASSV EAP-TLS=Credential,CERTIFICATE EAP-TLS=Credential,CERTIFICATE	Modify Modify Modify Modify Modify	Delete Delete Delete Delete Delete

The following table describes parameters in this page:

Field	Description	
Wireless Interface	Select which wireless interface to configure.	
1A	NQP Elements: 802.11u ANQP Parameters	
802.11status	Enable or disable 802.11u Interworking Capability for this SSID.	
Internet Access	Enable or disable Internet Access capability for this SSID.	
Network Access Type	Network Access Type.	

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Field	Description
Interworking HESSID	Set Interworking HESSID of this network.
IP Address Type Availability Information	Set IP Address Type Availability Information to this BSS supported by this interface.
IPv4	Set IPv4 Address Type Avaliability to this BSS supported by this interface.
IPv6	Set IPv6 Address Type Avaliability to this BSS supported by this interface.
Network Authentication Type List	Set Network Authentication Type List to the BSS supported by the interface.
Realm List	Set NAI Realm List to the BSS supported by the interface.

7.13 SECURITY

Click **SECURITY** in the navigation bar on the top pane of the page, the **SECURITY** page appears. This page allows you to configure security for the wireless LAN interfaces.



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The following table describes parameters in this page:

Field	Description
Wireless Interface	Select which wireless interface to configure.
802.11 Authentication	Select 802.11 authentication method. Open or shared.
802.11X Authentication	Select Network anthentication type.
WPA	Enable/Disable WPA Authenticated Key Management suite.
WPA-PSK	Enable/Disable WPA-PSK Authenticated Key Management suite.
WPA2	Enable/Disable WPA2 Authenticated Key Management suite.
WPA2-PSK	Enable/Disable WPA2-PSK Authenticated Key Management suite.
BRCM-PSK	Enable/Disable BRCM-PSK Authenticated Key Management suite.
WPA2 Preauthentication	Enable/Disable WPA2 Preauthentication.
WEP Encryption	Enable/Disable WEP data encryption.
WPA Encryption	Select the WPA data encryption algorithm.
RADIUS Server	Set the IP address of the RADIUS server to use for authentication and dynamic key derivation.
RADIUS Port	Set the UDP port number of the RADIUS server. The port number is usually 1812 or 1645 and depends upon the server.
RADIUS Key	Set the shared secret for the RADIUS connection.

7.14 WPS

Click **WPS** in the navigation bar on the top pane of the page, the **WPS** page appears. This page allows you to configure **WPS**.

BROADCOM.	WPS This page allows	you to configure	WPS.
Wireless Interface:	Broadcom24(00:	90:4C:17:34:4C)	- Select
WPS Current Mode:	AP Disabled		
WPS Configuration:	Disabled -		
Wifi-Invite: Wifi-Invite PIN Mode:	Disabled		
	Apply Cance	1	
List Wifi-Invite enabled STAs:	Refresh		
Wifi-Invite enabled STAs:	Action	Friendly Name	MAC Address

The following table describes parameters in this page:

Field	Description
Wireless Interface	Select which wireless interface to configure.
WPS Current Mode	WPS Current Mode
WPS Configuration	Select WiFi Simple Config mode.
Wifi-Invite	Enable or disable Wifi-Invite feature.
Wifi-Invite PIN Mode	Set the Wifi-Invite PIN Mode to auto or manual.
List Wifi-Invite enabled STAs	Scan to find Wifi-Invite enabled STAs.
Wifi-Invite enabled STAs	The list of Wifi-Invite enabled STAs

After setting, click Apply to save the settings, click Cancle to abort the settings.

7.15 FIRMWARE

Click **FIRMWARE** in the navigation bar on the top pane of the page, the

FIRMWARE page appears. This page allows you to upgrade the firmware.



The following table describes parameters in this page:

Field	Description	
Boot Loader Version	Display the current version of Boot Loader.	
OS Vertion	Display the current version of OS.	
WL Driver Version	Display the current version of Wireless Driver.	
Device Mode	Display the current devicemode.	
New Fireware	Select the new firmware to upload to the router.	
Download NVRAM file	Push button to save NVRAM variables to file.	
Upload NVRAM file	Enter filename of saved NVRAM file here.	

8 Troubleshooting

Failure to configure the router through a web browser

 Open the Web browser (for example, IE) and choose Tools > Internet Options from the main menu.

File Edit View Favorites	Sodi Heb	
0	Nal and News Populational State and	
Areid Look 🕼	Hanage Add ons	🔀 🔂 🐼 Linka 🍟 🧒 -
	Windows Update	
	Windows Messenger Diagnose Connection Problems	
	Different Options	

(2) Click Delete Cookies and Delete Files.

Internet Options
General Security Privacy Content Connections Programs Advanced
Home page You can change which page to use for your home page. Address: Doutitblank
Use Current Use Default Use Blank
Temporary Internet files Pages you view on the Internet are stored in a special folder for quick viewing later. Delete Cookies Delete Files Settings
Histoy The History folder contains links to pages you've visited, for quick access to recently viewed pages. Days to keep pages in history. 20 📚 Clear History
Colors Fonts Languages Accessibility
OK Cancel Apply

Failure to establish wireless network connection

• Because the router is beyond the wireless coverage.

5	2
2	э

- (1) Place the router near the customer premises equipment (CPE).
- (2) Try modifying the channel setting.
- Because of authentication problems.
- (1) Use a computer of wired connection to connect the router.
- (2) Check the network security settings.
- (3) Try hard reset on the router.
 - Because the router cannot be detected.
- (1) Try hard reset on the router and test again.
- (2) Check the settings of the wireless network.
- (3) Check the settings of SSID and encryption.

Failure to connect to the Internet through the wireless router

- (1) Place the router to the wireless area where the CPE can connect.
- (2) Check whether the wireless network card connects to the correct AP (base station).
- (3) Check whether the wireless channel accords with the channel specified in your country or region.
- (4) Check the encryption settings.
- (5) Check whether your ADSL cable is connected to the correct network interfaces.
- (6) Replace with a new network cable to connect to the router.

Failure to access the Internet

- (1) Check whether the status of indicators on the ADSL modem and the wireless router is normal.
- (2) Check whether the **WAN** indicator is on. If the WAN indicator is off, check whether the cable connected to the **WAN** interface is loose.
- (3) When the **Link** indicator keeps on but does not blink, the router is connected to the Internet.
- (4) Reboot your computer.
- (5) Set the AP again.
- (6) Check whether the WAN indicator is on.
- (7) Check the encryption settings of the wireless network.
- (8) Check whether the PC that connects to the router can obtain the IP address through either the wireless network or the cable network.

(9) Check the LAN settings of your Internet options, and do not use a proxy server for your LAN. See the following figure:

rnet Options	1
eneral Security Privacy Content Connections	Programs Advar
To set up an Internet connection, click Setup.	Setup
Dial-up and Virtual Private Network settings	
🎒 adsl (Default)	Add
	Remove
Choose Settings if you need to configure a proxy server for a connection.	Settings
 Never dial a connection 	
 Dial whenever a network connection is not press 	ent
 Always dial my default connection 	
Current adsl	Set Default
- Automatic configuration	
Automatic configuration may override manual set use of manual settings, disable automatic configu	tings. To ensure t uration.
Automatically detect settings	
Use automatic configuration script	
Address	
Proxy server	
Proxy server Use a proxy server for your LAN (These setti dial-up or VPN connections).	ngs will not apply to
Proxy server Use a proxy server for your LAN (These settii dial-up or VPN connections). Address: Port:	ngs will not apply to
Proxy server Use a proxy server for your LAN (These setti dial-up or VPN connections). Address: Port: Bypass proxy server for local addresses	ngs will not apply to
Proxy server Use a proxy server for your LAN (These settindial-up or VPN connections). Address: Bypass proxy server for local addresses	ngs will not apply to

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC warning

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject

to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil nedoit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage

SMART/RG SR400ac 802.11ac Gigabit Router User Manual radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device is compliance with RF exposure limits, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.