6.4 QoS Settings

QoS

Add Gaming Boost web page.

- Gaming Boost: Enable or disable the Gaming Boost.

Bandwidth

The router supports Gaming Boost natively, which identifies and intelligently manages your internet traffic. Allocating more bandwidth for your online games or video game consoles automatically, so that gamers may have more stable and smoother gameplay. Please set the correct bandwidth to ensure the best gaming and streaming quality.

1. Press "Speed Test" to find out your actual uplink and downlink speed.

2. Enter the values of your uplink and downlink.

NOTE: For reaching the optimal performance, please connect the client and router through a network cable.
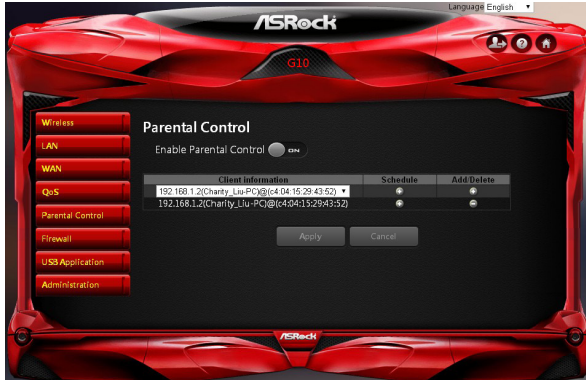
Priority

The table lists the devices connected to your router. Press "Refresh Status" to get the latest information.

Select the priority of the connected devices to allocate the bandwidth from the drop down list.

English

6.5 Parental Control

Parental Control allows you to control the internet access time, by setting the time limit for a client's network usage.

- Enable Parental Control: The default is "OFF". Switch the button to enable the service.

- Client Information: Select the client whose network usage you want to control.

- Schedule: Set up the allowed time limit in time management table. Press ▦ to open up a time management schedule and deselect the time allowed to be access the network. The green dots ● mean the network will be accessible. The gray dots ▦ mean the network will not be accessible.

- ⊕ : Add or delete the client's profile.

6.6 Firewall

The router provides a firewall for your network.

Firewall

•   Firewall: Enable or disable the firewall.

•   Ping Block: Enable or disable the ICMP ping block.

•   DoS Protection: Protect your network from DoS (Denial of Service) attacks though this may affect your router's performance.

•   Port Scan Block: Protect your network from port scan attacks.

Access Block List

You can deny certain devices from connecting to the internet if necessary.

1.   Select the devices from the drop down list.

2.   Press ⬆ to add it into the list.

Press "Apply" to save the settings and reboot the router.

6.7 USB Application

The USB Application function provides the information of USB storage status and USB printer status, and allows you to configure USB storage server, media server, and download agent.

Insert a USB storage device, such as a flash driver or external hard drive to the USB port on the back of the router. The computer must be connected to the router to access the storage device. You may also want to map the network drive so it shows up as a standard drive on your computer for easier access.

USB Storage Status
Displays the information of the connected device(s). Press ⬛ to remove the USB device(s) safely. Press "Refresh Status" to update the status.

USB Printer Status
Displays the information of the connected device(s). Press "Refresh Status" to update the status.
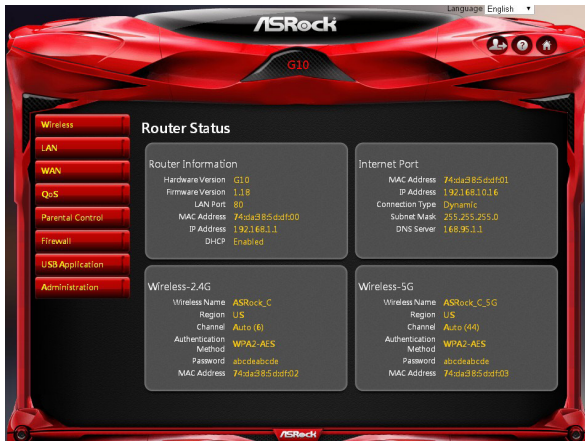
USB Storage Server
Enable or disable the USB storage server.
•   Account: Specify the account to access the USB storage server.

•   Password: Specify the password to access the USB storage server.

Media Server
•   Media Server Name: Enable the media server and specify the media server name.

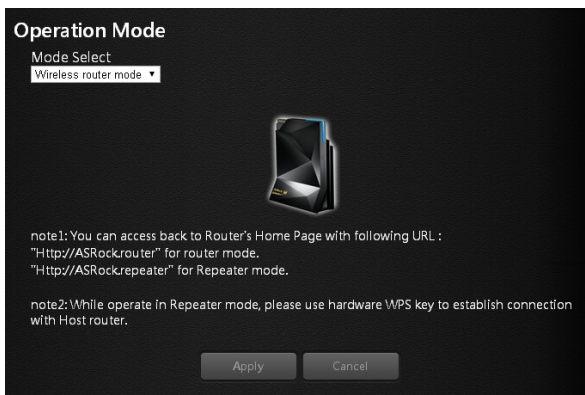## 6.8 Administration

6.8.1 Router Status

Here displays the router status and usage information.

1.   Select **Advanced** > **Administration** > **Router Status**.

2.   View the information.

6.8.2 Operation Mode

The operation mode page allows you to select the appropriate mode for your network.

To set up the operation mode.

1.   Select **Advanced > Administration > Operation Mode**.

2.   Select any of these operation modes:

- Wireless router mode (Default): In wireless router mode, the router connects to the internet and provides internet access to available devices on its own local network.

- Repeater mode: In wireless repeater mode, the repeater will extend your current wireless signal for smart devices.

6.8.3 Set Password

Lets you change the default password and user name to log in the router. This password is not the one that you use for wireless access.

To set a new password and user name:

1.   Select **Administration > Set Password**.

2.   Router Login Name: Type the new log-in name for your router. The default is "admin".

3.   Old Password: Display the default password or type the previously set password.

4.   Set Password: Type the new password for your router.

5.   Repeat New Password: Type the new password for your router again to double check.

6.   Press "Apply" to change the setting. Reboot the router for the settings to take effect.

6.8.4 Firmware Upgrade

The router firmware is stored in flash memory. You can check to see if new firmware is available and update your product.

Firmware Upgrade
Product Model   G10
Firmware Version 1.18
Manually Update Select Files
Check & Update
Select & Update

To check for new firmware and update your router:

1.   Select **Administration > Firmware Upgrade**.

2.   Press "Check & Update". If there is newer firmware available on the server, you will see a message: "New firmware available and download process initiating".

3.   Press "OK". Start to download the new firmware.

WARNING: To avoid the risk of corrupting the firmware, do not turn off the router and interrupt the upgrade.

Manual Update

To manually update the new firmware for your router, press "Select Files" and then "Select and Update".

6.8.5 Self Healing

The self-healing feature is a way to have the router automatically rebooted itself.

Self Healing
Self Healing   OFF
Time Schedule   (edit)
        Apply   Cancel
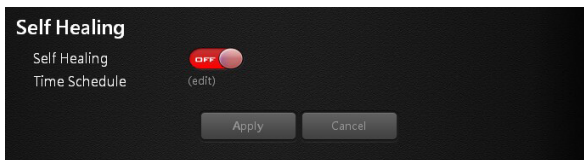
Select **Advanced > Administration > Self Healing**.

•   Self Healing: Press the button to ON/OFF the function.

•   Time Schedule: Press "Edit" to set a time for the self-healing. In the table, press to select the time to reboot the router automatically.

6.8.6 Restore / Save

The configuration settings of the router are stored within the router in a configuration file. You can export this file to your computer, restore it, or reset it to the factory default settings.

### Restore to Factory Default Setting

You can erase the current configuration and restore the default settings.

1.   Select **Advanced > Administration > Restore/Save**.

2.   Press the **Restore** button.

The factory default settings are restored. The user name is "admin", the password is "admin", and the LAN IP address is 192.168.1.1.

You can also press and hold the "Reset" button for more than 10 seconds on the rear of the router to restore the default settings.

LED Indicator Variations:

Press Reset for more than 10 sec   Ready   Shutdown   Restoring the default settings
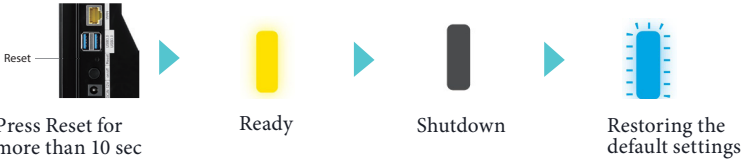
Exporting Router Configurations

1.   Select **Advanced > Administration > Restore/Save**.

2.   Press the **Export** button.

A copy of the current setting is saved in the location you specified.

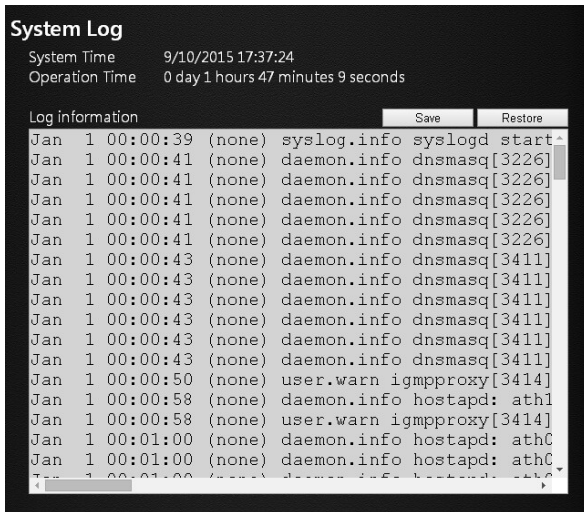### Importing Router Configuration

1.   Select **Advanced > Administration > Restore/Save**.

2.   Press the **Select Files** button.

3.   Press the **Upload** button.

The file is uploaded to the router and the router will reboot.

6.8.7 System Log

The log is a detailed record of the websites you access or attempted to access and other router actions.

1.   Select **Advanced > Administration > System Log**.

2.   You can view the history of your network activities.

Press "Save" to save a copy of the event log to your device. Press "Restore" to clear event logs.

Chapter 7 ASRock Router APP

ASRock Router app allows you to control ASRock G10 Gaming Router, including configuring router settings, remotely controlling home appliances, and accessing the external storage of the router.

Before using this application, please make sure of the following:

- You are running the Setup Wizard of your router through a web browser. For more details, please refer to Chapter 4: Setup Wizard.
- Your ASRock G10 Gaming Router has updated to the latest firmware. See "Firmware Upgrade" in Chapter 6.
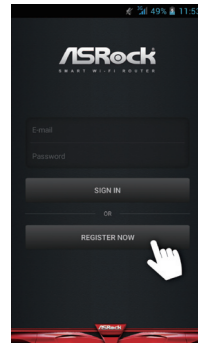
7.1 Registration

Download and install the ASRock Router app on your smartphone or tablet.
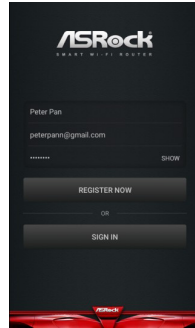For first time users, please register an account.
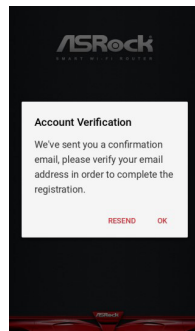
1. Tap to launch the ASRock Router app.

2. Tap "REGISTER NOW".

3. Enter you name, email address and password. Tap "Show" if you want to reveal the password.

4. Tap "REGISTER NOW" to continue.

5. A confirmation email is sent to your registered email address. Check your email and activate your account.

7.2 Signing in

Before you sign in the app, make sure your smartphone or tablet is wirelessly connected to the router. For more details, please refer to "Wireless Network" in Chapter 3.

NOTE: If you have changed your SSID and password in the Setup Wizard or Dashboard, remember to use your new SSID and password.

Sign in the app

1. Tap to launch the ASRock Router app.
2. Tap "SIGN IN".
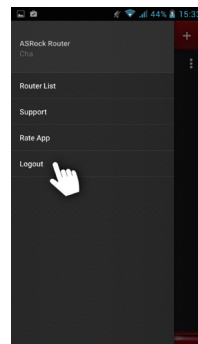3. Enter your email address and password.
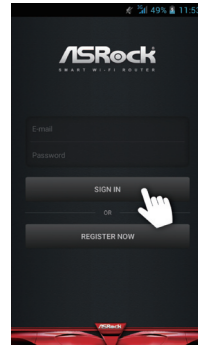
Log out the app

1. If you want to log out the app, tap the "Settings" icon on the upper left corner.

2. Tap "Logout".

7.3 Adding Routers

When you successfully sign in the app, you can add as many routers as you want in the "Router List" page.

NOTE: Before adding a router in the app, please make sure your smartphone or tablet is successfully wirelessly connected to the router.

1. Tap add icon "+" on the upper right corner.

2. Verify the listed serial number and check if it is identical with the number on the bottom of your router.
3. Rename your router.
4. Tap "SAVE" to add the router to the list.

5. Tap "OK" when the router is successfully added.
6. You will find the router you have just added to the Router List.
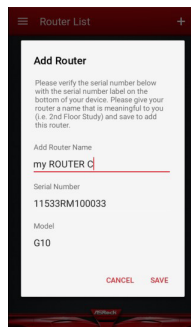
7.4 Router Settings

You can change the configurations of the router in "Router Setting".

1. Tap to select the router to be configured in "Router List".

2. Tap "ROUTER SETTING" to open up the browser to enter the Dashboard page.

3. Enter the username and password to log in. Tap "OK".

   NOTE: The default account and password are both "admin". For more details, please refer to "Setup Wizard" in Chapter 4.

4. Configure the settings of the router. For more instructions, please refer to Chapter 5 and 6.
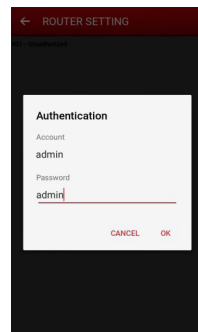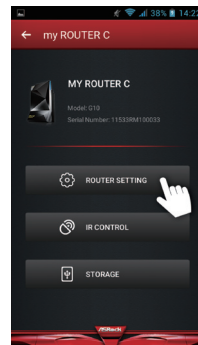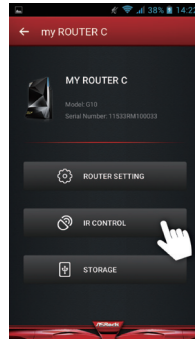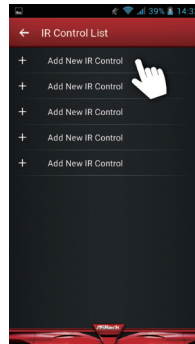
7.5 IR Control

The IR Control feature can let your device learn the codes of other infrared devices and turn your smartphone or tablet into a universal remote controller for your home appliances.

To learn the infrared signals of your remote controller, please follow the steps below.
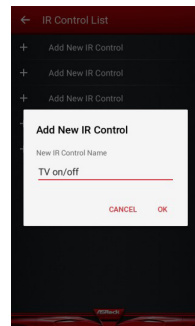
1. Tap "IR CONTROL".

2. In the "IR Control List", tap "Add New IR Control". You can add up to five commands for each router.

3. Rename the IR Control.

    Note: For example, if you want to learn the signals of the TV on/off button on your remote controller, you can name the IR Control Name as TV on/off, so you can clearly know what function it is.

4. Tap "OK".

5. Tap "LEARN".
    The LED indicator on the front of the router will be flashing light blue.

6. Now point your remote controller directly to the front panel of your G10 router (within 10 cm) and press the button on your remote controller. If the signal is successfully learned, the front LED indicator will turn into solid light blue.
7. You can tap "TEST" to check if the command is copied.
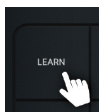
| Tap "LEARN" | Learning (About 15 secs) | Done (About 5 secs) | OR | Failed (Flashes twice) |

8. Tap "SAVE" to save the setting. Tap "CLEAR" to clear the learned command.
9. Now you can use your mobile device to remotely manipulate your router to control your home appliances.

7.6 Storage

You can access the files in the USB storage devices connected to your G10 router through this app.
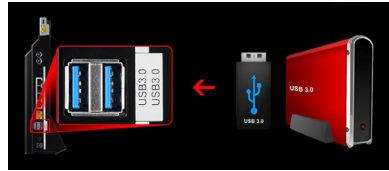
1. Make sure your USB storage device is properly installed into the USB ports on the router.

2. Tap "STORAGE".
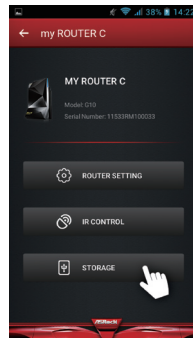
3. Enter your storage login username and password. Tap "OK".
    The default username is "admin" and the default password is "1234".
    You can change the default username and password in the "ROUTER SETTING".

    NOTE: To change Storage username and password, go to "ROUTER SETTING" > "USB" > "Advanced" and enter the new account and password in the fields under the "USB Storage Server" section. For more details, please refer to "USB Application" in Chapter 6.
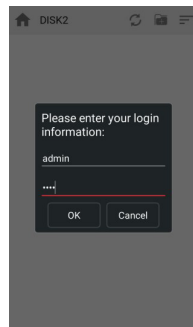
4. Tap the disk to enter the disk and access the files.

Chapter 8 Troubleshooting

This section describes tips for troubleshooting some common problems.

8.1 How to Restart Your Network

When you need to restart your network, follow this sequence:
1. Turn off and unplug the modem.
2. Turn off the router
3. Plug in the modem and turn it on.
4. Turn on the router and wait.

8.2 Wireless Settings

Make sure that the wireless settings on the computer and router match exactly. The wireless network name (SSID) and wireless security settings of the router and wireless computer must match exactly.

If you set up an access list in the Advanced Wireless Settings screen, you must add each wireless computer's MAC address to the router's access list.

8.3 Standard LED Behavior When the Router Is Powered On

After you turn on power to the router, the following sequence of events occurs:

Flashing Dark Blue	Solid Dark Blue	Flashing Yellow	Solid Yellow	Flashing Light Blue	Solid Light Blue
Starting up	Connected to the internet	ADSL modem not detected / WPS connection failed	Modem detected but no internet connection	Connecting to a WPS-enabled device	WPS connected

8.4 Unable Log In to the Router

If you cannot log in to the router from a computer or wireless devices on your local network, please check the following:

- If you use an Ethernet connected computer, check if the Ethernet connection between the computer and the router is working.
- If you use a wireless connected computer or wireless devices, check if the wireless SSID connection between computer and wireless devices are working.
- If your router's IP address was changed and you do not know the current IP address, clear the router's configuration to factory default. This sets the router's IP address to 192.168.1.1.
- Make sure that you are using the correct login information. The default user name is "admin", and the default password is "admin". Make sure that Caps Lock is off when you enter this information.

8.5 Unable Access the Internet

If you can access your router but not the internet, check to see if the router can obtain an IP address from your internet service provider (ISP). Unless your ISP provides a fixed IP address, your router requests an IP address from the ISP.

To check the WAN IP address:
1. Launch a web browser from a computer or wireless device that is connected to the network.
2. Select an external site such as www.asrock.com.tw.
3. Type asrock.router or 192.168.1.1. A login screen should appear.
4. Enter the router's user name and password. The default user name is "admin", and the default password is "admin".
5. Press ADVANCED > Next button. The ADVANCED home screen should appear.
6. Check if a valid IP address is shown for the internet port. If 0.0.0.0 is shown, it means your router has not obtained an IP address from your ISP. If your router cannot obtain an IP address from the ISP, you may need to force your cable or DSL modem to recognize your new router by restarting your network.

If your router is still unable to obtain an IP address from the ISP, the problem might be one of the following:
- Your internet service provider (ISP) might require a login program.
- If your ISP requires a login, the login name and password might be set incorrectly.
- Your ISP might check for your computer's host name.
- If your ISP allows only one Ethernet MAC address to connect to internet and checks

English

for your computer's MAC address, do one of the following:

- Inform your ISP that you bought a new network device and ask them to use the router's MAC address.
- Configure your router to clone your computer's MAC address.

8.6 Wireless Connectivity

If you are having trouble to connect wireless to the router, try to isolate the problem:

Does the wireless device or computer that you are using find your wireless network?

- If you disable the router's SSID broadcast, then your wireless network will be hidden and will not be displayed in your wireless client's scanning list.

- If not, check the dashboard Wi-Fi on/off button from the Web GUI. If it is off, you can press the Wi-Fi on/off button on the dashboard to turn the router wireless radios back on.

If your wireless device finds your network but the signal strength is weak, check these conditions:

- Is your router too far from your computer or too close? Place your computer near the router but at least 6 feet away and see whether the signal strength improves.

8.7 Restore to the factory default settings

You can return the router to its factory settings. Use the end of a paper clip or a similar object to press and hold the Reset button on the back of the router for at least ten seconds.

Go to **Advanced > Administration > Restore/Save**, and press "Restore".

Appendix - Factory default settings

The router resets and returns to the factory configuration settings shown in the following table.

Feature		Default Behavior
Router Login	User Login URL	192.168.1.1 or ASRock.router
	User Name	admin
	Login Password	admin
Internet Connection	WAN MAC Address	Use default hardware address
	WAN MTU Size	1436
	Port Speed	AutoSensing
Local Network (LAN)	LAN IP	192.168.1.1
	Subnet Mask	255.255.255.0
	DHCP Server	Enable
	DHCP Range	192.168.1.2 to 192.168.1.254
	DHCP Starting IP Address	192.168.1.2
	DHCP Ending IP Address	192.168.1.254
Wireless	Wireless Radio	Enable
	Wireless Name	See router label
	Security	WPA2-AES
	Broadcast SSID	Enable
	Country/Region	Varies by region
	RF Channel	Auto for 2.4GHz/5GHz
	Operating Mode	Router Mode: Up to 800Mbps at 2.4GHz, 1733Mps at 5GHz

English

Appendix - Specifications

Dimensions	G10 Router	266.5 x 184 x 82 mm
	H2R	115 x 35 x 17.3 mm
Weight	G10 Router	620g
	H2R	43g
Wireless Standard	802.11a/b/g/n/ac	
Frequency Band	2.4GHz, 5GHz Simultaneous	
Wireless Speed	2.4GHz: 800Mbps	
	5GHz: 1733Mbps	
Amplifiers	4 x 2.4GHz Amplifiers	
	4 x 5GHz Amplifiers	
	8 x Low Noise Amplifiers	
Wireless Security	WPA, WPA2,Mixed, WPS	
Wireless Access Scheduling	Specific day and time	
Wireless TX power adj	0~100%	
Antennas	8 x internal high performance antennas	
Ports	1 x RJ45 10/100/1000 WAN Port (WAN Port)	
	4 x RJ45 10/100/1000 LAN Ports (LAN Ports)	
	2 x USB 3.0 Ports for USB Storage / Printer Server	
Features	Easy Setup	
	Guest Wireless Networks (Up to 6 additional)	
	Parental Control	
	Self-healing	
	Smart Gamingboost	
	Beamforming	
	MU-MIMO	
	APP Cloud Service	
Power Source	Model : Asian Power Device WA-36A12R	
	Input: 100-240V~ 50/60Hz 0.9A max	
	Output: 12Vdc / 3A	
Warranty	1 Year	
Package Contents	AC2600 G10 Gaming Router	
	H2R (HDMI 2-in-1 Router)	
	12V Power Adapter	
	Network RJ45 Cable	
	Micro USB Cable	
	HDMI Cable	
	Quick Installation Guide	
Operating temperature	0° to 40° (32° to 104° F)	
Operating humidity	90% maximum relative humidity, noncondensing	
Certification	FCC, IC , CE	