

Wi-Fi Hub



Manual

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Product Overview

MyRepublic Wi-Fi Hub

The MyRepublic Wi-Fi Hub is a AC1600 dual-band Wi-Fi Gigabit router. Supporting the latest ultra-fast 802.11ac standard, the Wi-Fi Hub is designed to support multiple devices and full HD video streams simultaneously.

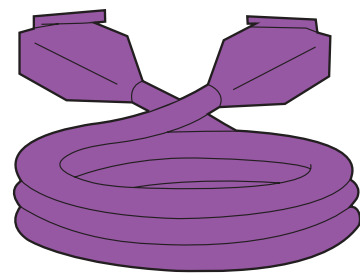


Product Contents

Here are the items you should receive along with your MyRepublic Wi-Fi Hub.



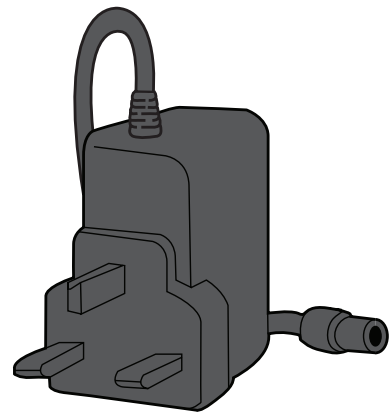
MyRepublic Wi-Fi Hub



Ethernet Cable



Wi-Fi Security Card



Power Adapter

Note:

- If you find any of your product contents damaged or missing, please contact MyRepublic customer support at myservice@myrepublic.com.sg or call 6717 1680 for further assistance.

Technical Specifications

Main Processor

- Broadcom BCM63169

Memory

- 256 MB RAM (DDR3)
- 128 MB Flash

Wireless capability

- Dual-band concurrent Wi-Fi interfaces:
 - » IEEE 802.11n 2.4GHz
 - » IEEE 802.11ac 5GHz
 - » WPS Wi-Fi Protected setup
 - » Up to 4 SSID support for each radio

Ethernet Capability

- 1 x Gigabit Ethernet WAN port
- 4 x 10/100/1Gbps LAN ports

USB Master Capability

- 2 USB 2.0 Interfaces

Voice

- 2 FXS ports

Dimensions

- 220mm X 48mm X 172mm

Weight

- 450g

Temperature

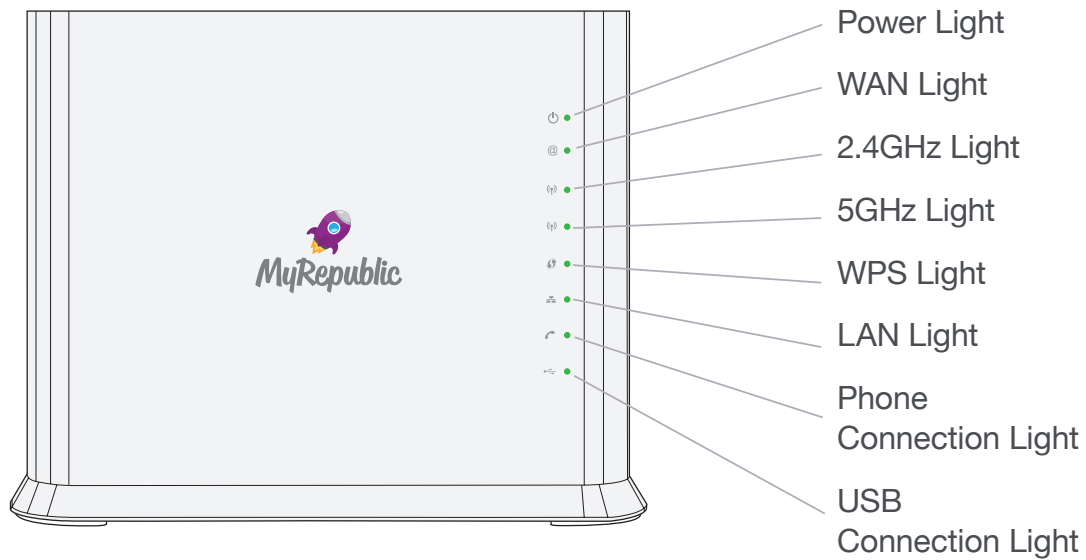
- 0 – 40 °C (32 – 104 °F)

Humidity

- 20% to 80%



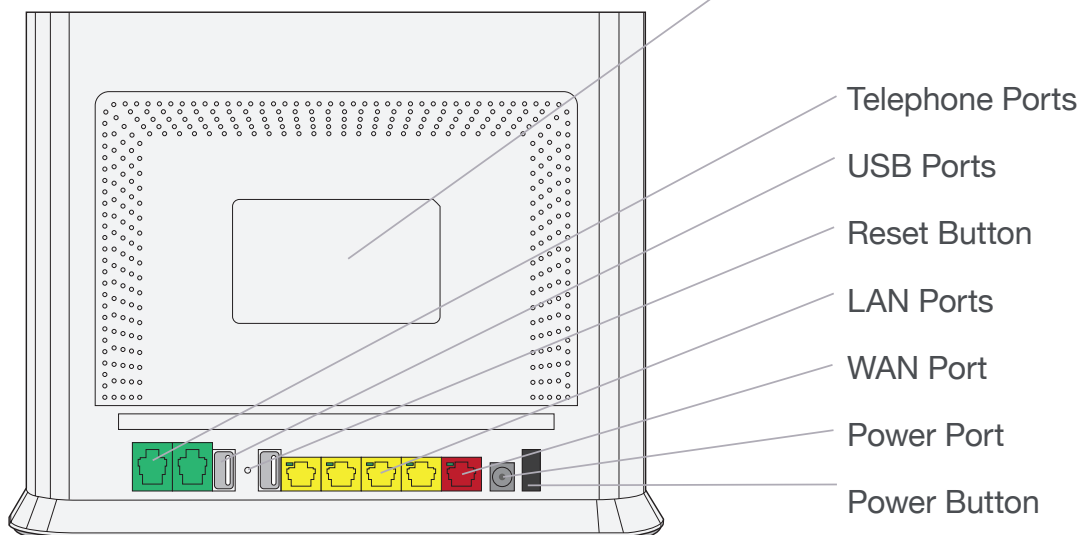
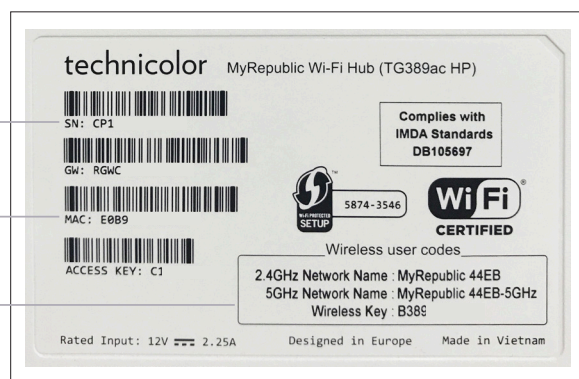
Hardware Features



Serial Number

Mac Address

Wireless SSID and key
i.e. your Wi-Fi network name
and Wi-Fi password





Power

Solid ● : The Wi-Fi Hub is booting up

Solid ● : Power-on self-test is running, or device has a malfunction

Flashing ● : Firmware download or upgrade is ongoing

Solid ● : The Wi-Fi Hub is on

WAN /
Internet

Off: No Internet connection detected

Flashing ● : Trying to connect to the Internet

Solid ● : Connected to Internet (WAN)

Flashing ● : Connected to Internet (WAN) and data is being transferred

Solid ● : Internet connection is detected but not active/usable

2.4GHz or
5.0 GHz

Off: 2.4GHz or 5.0GHz Wi-Fi is off

Solid ● : 2.4GHz or 5.0GHz Wi-Fi is on

Flashing ● : 2.4GHz or 5.0GHz Wi-Fi is on and data is being transferred



WPS

Off: WPS is not active

Flashing ● : WPS (push button) is active

Solid ● : WPS is successful, and device is paired

Flashing ● : WPS has failed to pair with device



LAN / Ethernet

Off: No LAN connection detected

Solid ● : Connected to device via LAN

Flashing ● : Connected to device via LAN and data is being transferred



Phone

Solid ● : Voice SIP profile is registered and no call in progress

Flashing ● : Call in progress

Off: Voice SIP client is not provisioned or disabled



USB

On: USB device detected

Off: No USB device detected or no device is plugged in

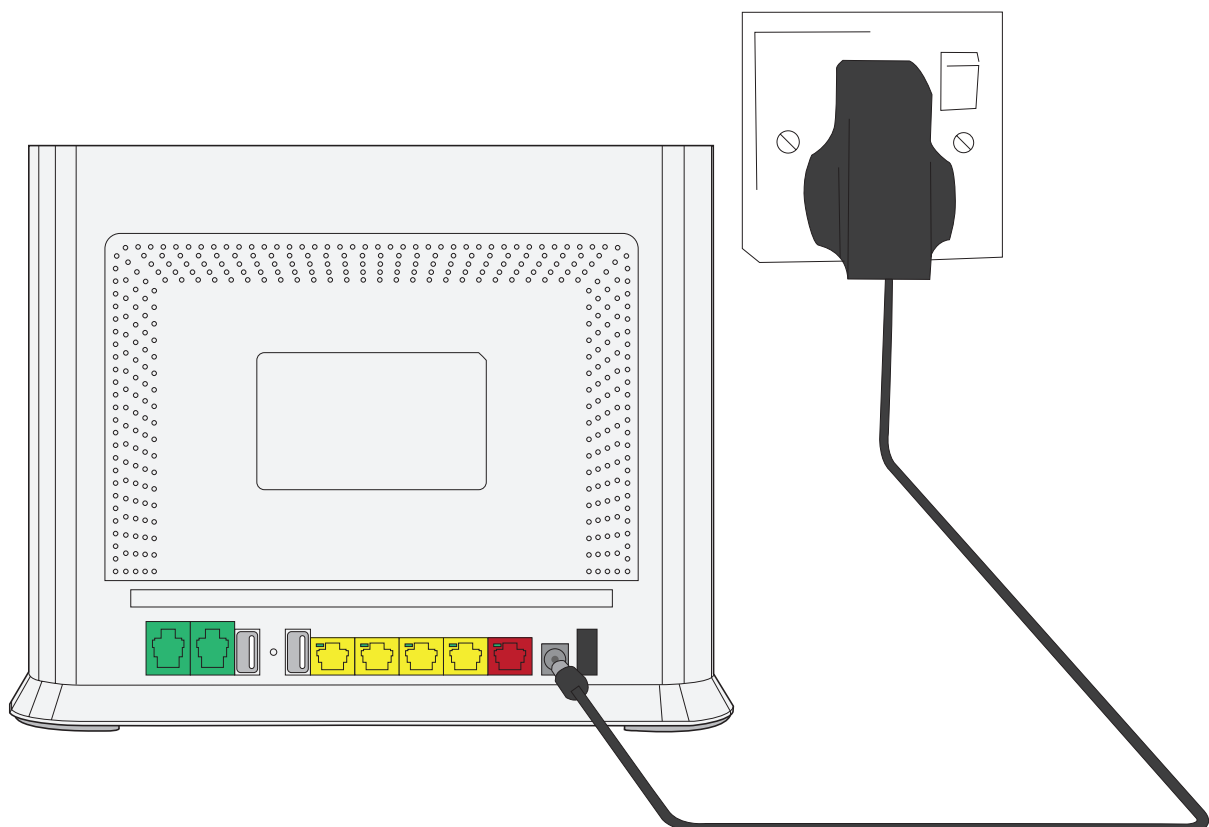
Setting Up: Basics

How to set up your Wi-Fi Hub

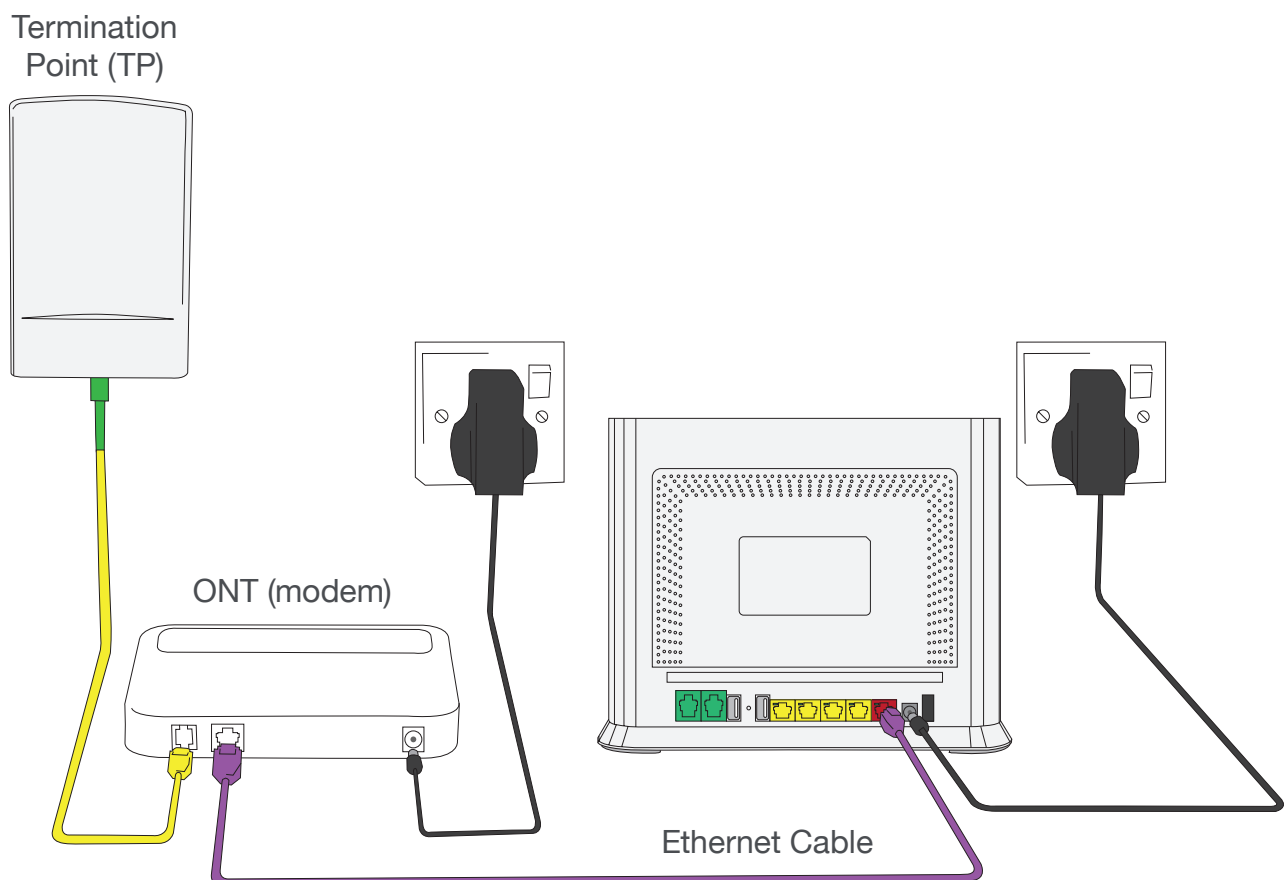
Note:

- First make sure that your Internet connection has been set up and working properly. Your ONT should be connected to your fibre Termination Point (TP) and turned on for at least 2 minutes before setting up your Wi-Fi Hub. There should also be no red or yellow lights on your ONT.

1. Place your Wi-Fi Hub in a location that is away from direct sunlight, metal equipment and other devices that may interfere or cause Wi-Fi signal loss (e.g. microwave ovens, cordless phone). If you can, place your Wi-Fi Hub in an elevated position as Wi-Fi signals spread out and towards the ground, not upwards.
2. Connect the Wi-Fi Hub to its power adapter and plug it into a power supply.
3. Press the Power button to power on the Wi-Fi hub. The front LED lights on the Wi-Fi Hub should light up with the Power light eventually turning a solid **green**.



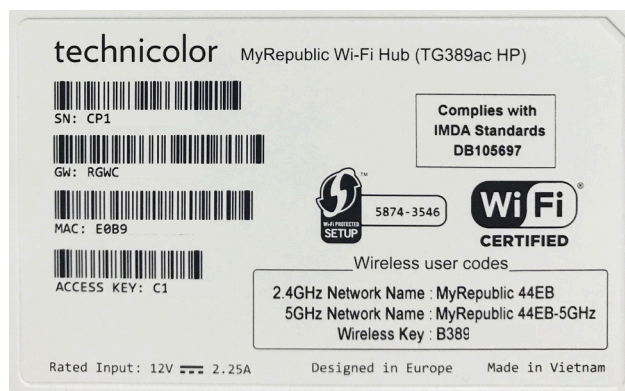
4. Plug one end of your Ethernet cable into the red WAN port at the back of the Wi-Fi Hub.
5. Plug the other end of your Ethernet cable into the ONT's active Internet port (the ONT active port is usually Port 1, unless you have more than 1 broadband subscription in your house, then it might be Port 2).
5. The light in the top-left corner of the Wi-Fi Hub's LAN port should blink **green** once an Internet connection has been established.
6. If you look at the front of the Wi-Fi Hub, the WAN LED light should start blinking **green**, indicating that the Internet connection is active and data is being transmitted.



7. Connect your device to your Wi-Fi Hub:

- **Using Wi-Fi**

- i. Locate your Wi-Fi network name and Wi-Fi password on your Wi-Fi Security Card. You can also find this information on the white sticker located on the back of your Wi-Fi Hub.
- ii. On your device, search for your Wi-Fi network and connect using the password provided.

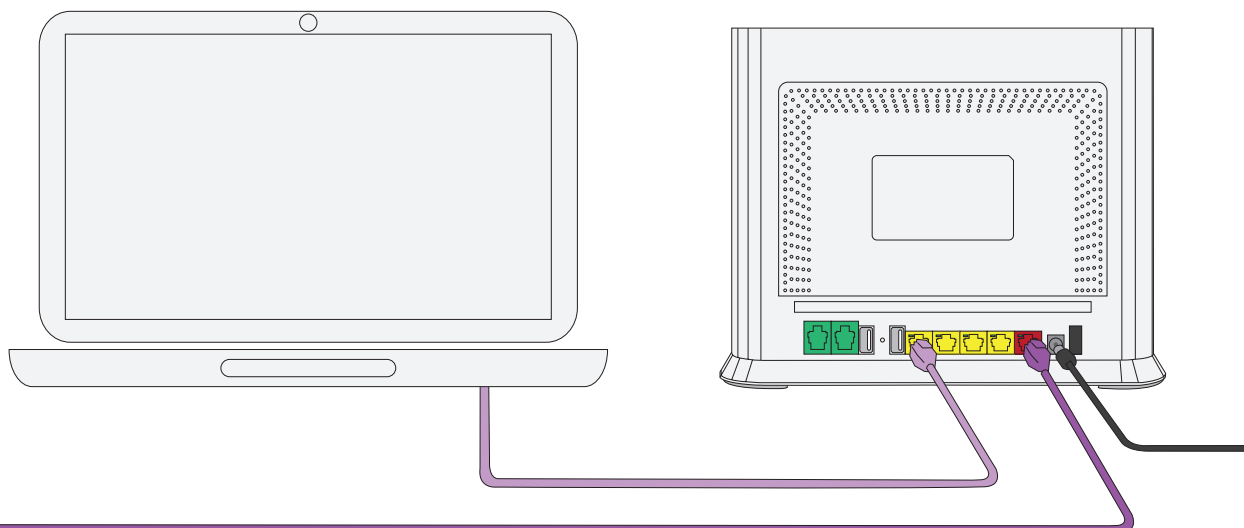


Note:

- When connecting to your Wi-Fi Hub wirelessly, ensure that your wireless device is configured to obtain an IP address automatically. Most devices are usually configured this way.
- If you're having difficulties connecting wirelessly, your device may need to be configured in a specific way. We suggest checking your device's manual for additional support.

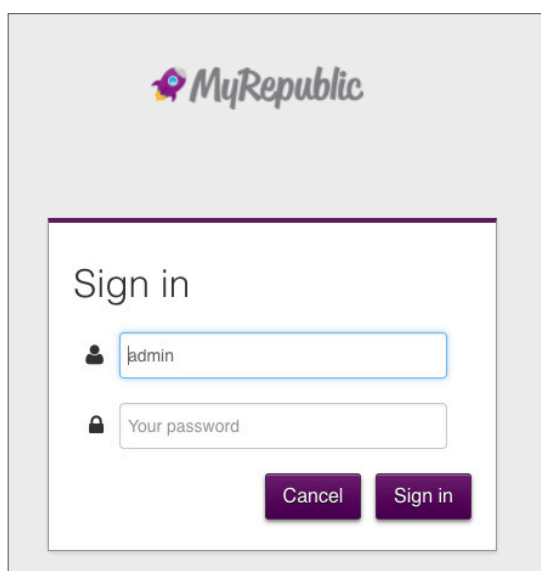
- **Via Ethernet cable**

- i. Use an Ethernet cable and connect your computer to one of the LAN 4 ports behind the Wi-Fi Hub (these ports are coloured yellow).



How to log into to your Wi-Fi Hub Router Management Console

1. Once connected to the Wi-Fi Hub, open your web browser (it can be Chrome, Firefox or Internet Explorer) and type “<http://192.168.1.1>” into your web browser’s address bar. Press Enter to load the webpage.
2. A login window will appear. The default username and password to access the Wi-Fi Hub’s Router Management Console is “admin” for both fields. Key in the information and log in.

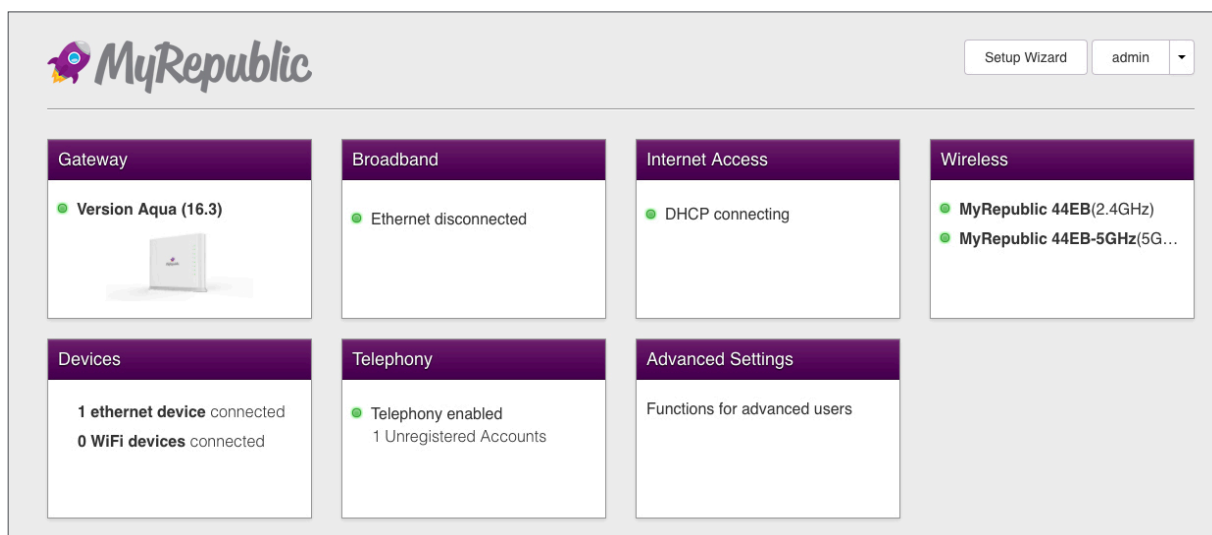


The image shows a login window for MyRepublic. At the top is the MyRepublic logo. Below it is a white box with a purple border containing the text "Sign in". There are two input fields: the first is for the username, with "admin" entered, and the second is for the password, with the placeholder text "Your password". Below the fields are two buttons: "Cancel" and "Sign in".

Note:

- The name and password to log into the Wi-Fi Hub configuration menu is **not** the same as your Wi-Fi network name and password. For your Wi-Fi access information, check your Wi-Fi Security card.

3. After logging in, you see the main page of the Wi-Fi Hub configuration menu.

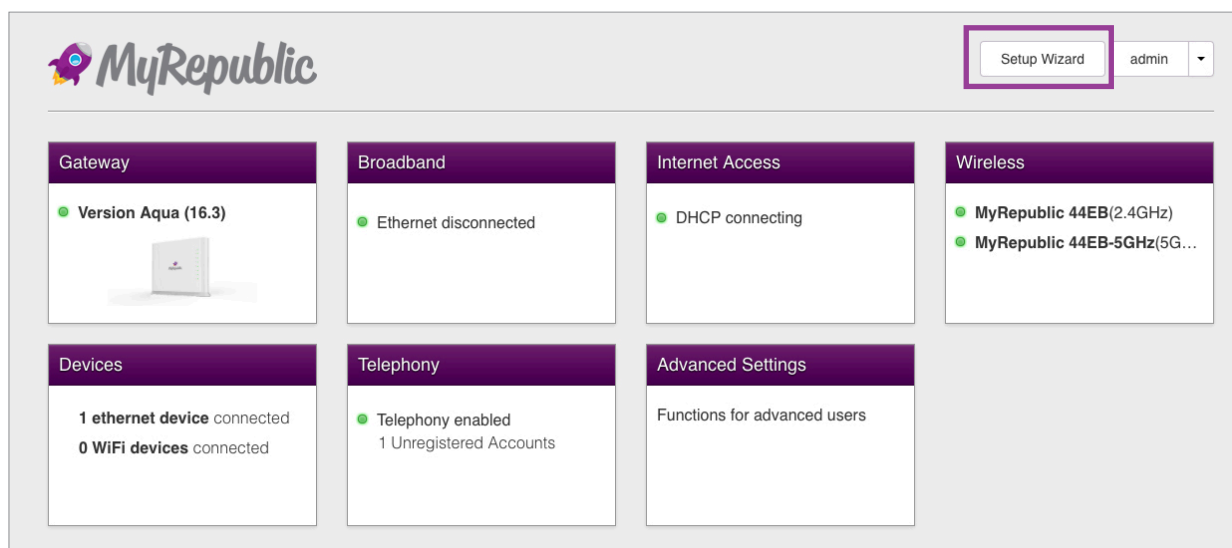


The image shows the main page of the MyRepublic Router Management Console. At the top is the MyRepublic logo. To the right of the logo are two buttons: "Setup Wizard" and "admin" with a dropdown arrow. Below the header is a grid of seven configuration panels:

- Gateway**: Version Aqua (16.3) with a router icon.
- Broadband**: Ethernet disconnected.
- Internet Access**: DHCP connecting.
- Wireless**: MyRepublic 44EB(2.4GHz) and MyRepublic 44EB-5GHz(5G...).
- Devices**: 1 ethernet device connected, 0 WiFi devices connected.
- Telephony**: Telephony enabled, 1 Unregistered Accounts.
- Advanced Settings**: Functions for advanced users.

How to use the Quick Setup Wizard

1. Log in to your Wi-Fi Hub's Router Management Console (please refer to the previous section if you need instructions on how to do so).
2. After successfully logging in, click on the "Setup Wizard" button in the upper right corner of the main page.



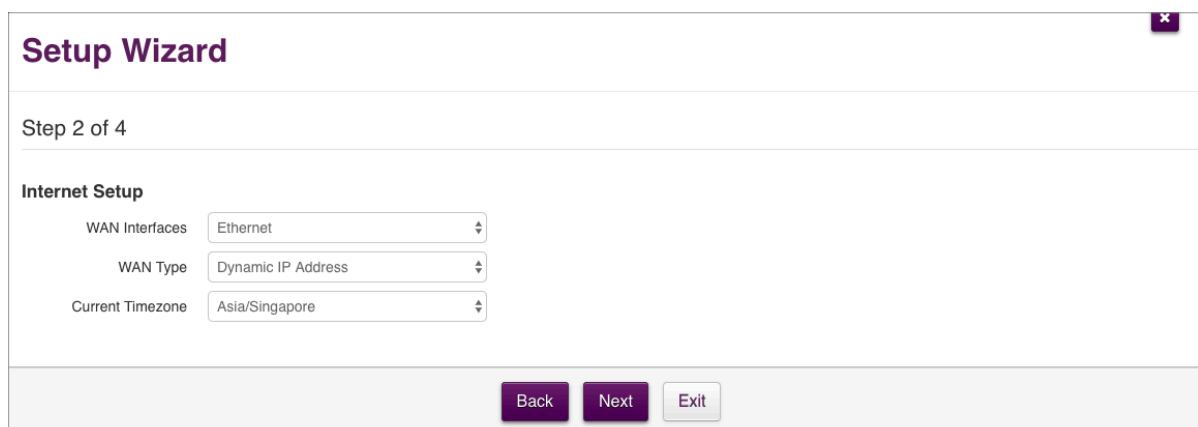
3. You will see the first step "Router Security". Here, you can change the username and password used to access the Router Management Console. Remember that the default login is "admin" for both the username and password. Once you are done, click the "Next" button to continue.

The screenshot shows the "Setup Wizard" interface, specifically "Step 1 of 4: Router Security". It includes a blue informational box stating: "In the next pages you will use the quick set-up guide to personalise your Router. Please enter a username and password to be used to gain access to your Router Management Console. It is recommended that you choose a unique password for added security." Below this, there are three input fields: "Desired Username" (containing "admin"), "Desired Password" (masked with dots), and "Retype Password" (masked with dots). A blue reminder box at the bottom says: "Remember to make a note of your username and password". At the very bottom, there are "Next" and "Exit" buttons.

Note:

- To improve security, it is highly recommended that you change your Router Management Console login name and password to something other than the default “admin”.
- If you ever forget your Router Management Console login username and password and need to access the Console, you will need to perform a factory reset on your Wi-Fi Hub. You can find the instructions on how to perform a factory reset in the later pages.

4. In this “Internet Setup” step, you should not need to make any changes. Make sure that the “WAN Type” says “Dynamic IP Address” and then click the “Next” button to continue.



Setup Wizard

Step 2 of 4

Internet Setup

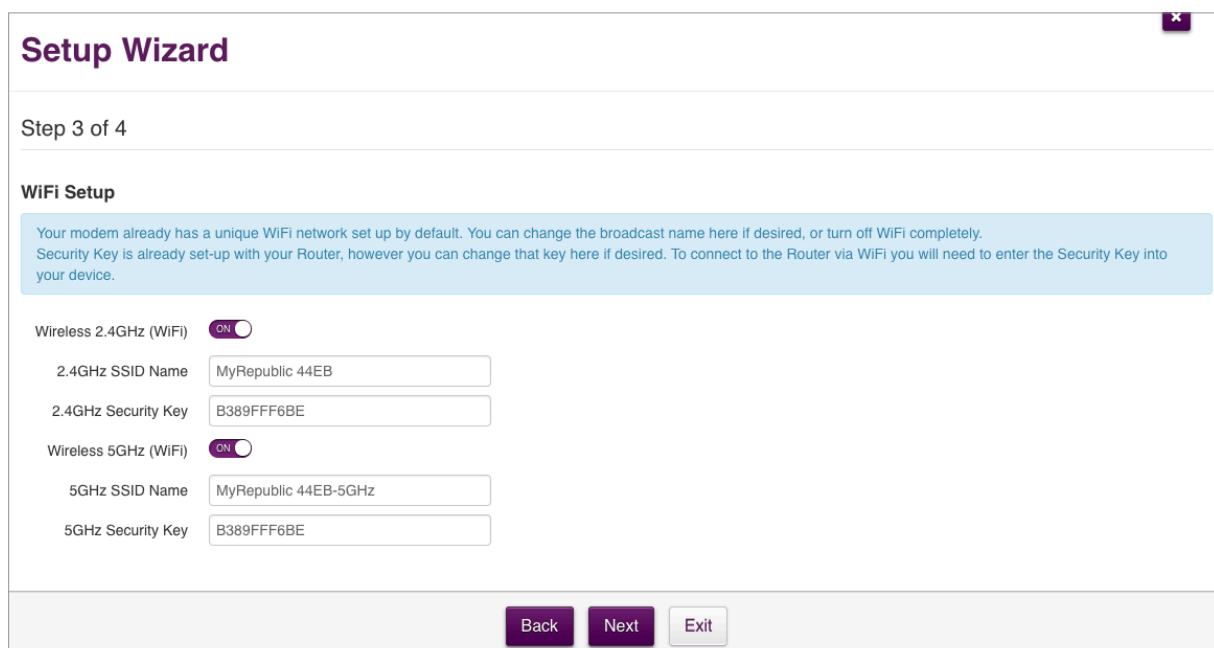
WAN Interfaces: Ethernet

WAN Type: Dynamic IP Address

Current Timezone: Asia/Singapore

Back Next Exit

5. In this “Wi-Fi Setup” step, you can change the name (a.k.a. SSID) and password of your 2.4GHz and 5GHz Wi-Fi networks. Click the “Next” button to continue when you are done.



Setup Wizard

Step 3 of 4

WiFi Setup

Your modem already has a unique WiFi network set up by default. You can change the broadcast name here if desired, or turn off WiFi completely. Security Key is already set-up with your Router, however you can change that key here if desired. To connect to the Router via WiFi you will need to enter the Security Key into your device.

Wireless 2.4GHz (WiFi) ☒

2.4GHz SSID Name: MyRepublic 44EB

2.4GHz Security Key: B389FFF6BE

Wireless 5GHz (WiFi) ☒

5GHz SSID Name: MyRepublic 44EB-5GHz

5GHz Security Key: B389FFF6BE

Back Next Exit

6. The final step of the Setup Wizard is a summary of the information taken from the previous steps. Review your settings and click the “Finish” button to apply all the changes.

Setup Wizard

Step 4 of 4

Router Installation is Complete

Please review your settings and click finish. Your Router will reset and settings will be saved.

Desired Username	admin
Desired Password	*****
WAN Interfaces	Ethernet
WAN Type	Dynamic IP Address
Current Timezone	Asia/Singapore
Wireless 2.4GHz (WiFi)	On
2.4GHz SSID Name	MyRepublic 44EB
2.4GHz Security Key	B389FFF6BE
Wireless 5GHz (WiFi)	On
5GHz SSID Name	MyRepublic 44EB-5GHz
5GHz Security Key	B389FFF6BE

Back

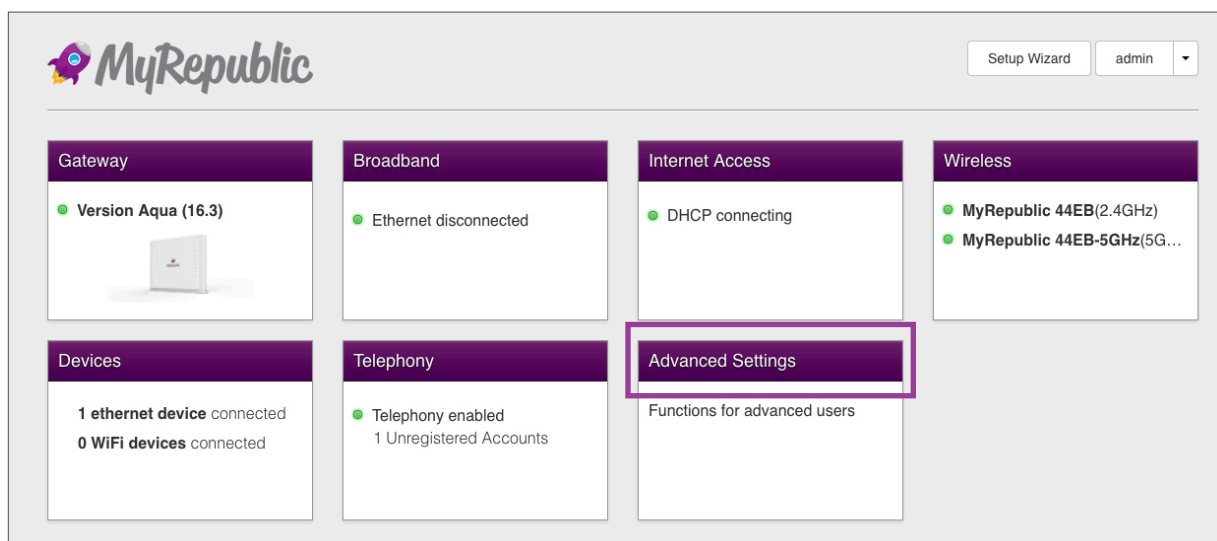
Finish

Exit

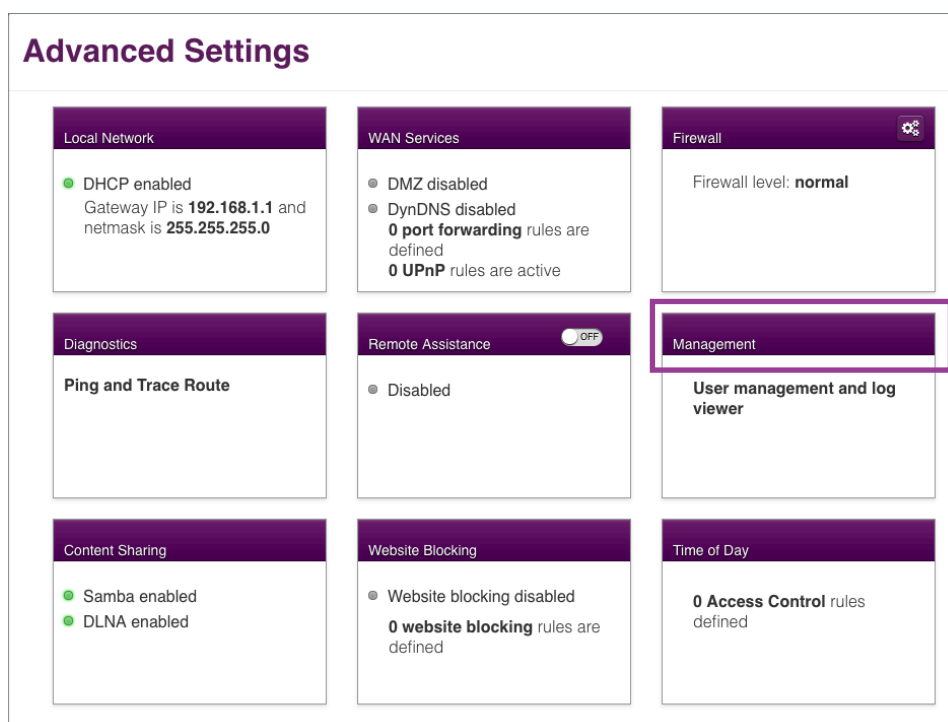
Setting Up: Advanced

How to add/edit the user name and password of your Wi-Fi Hub Router Management Console

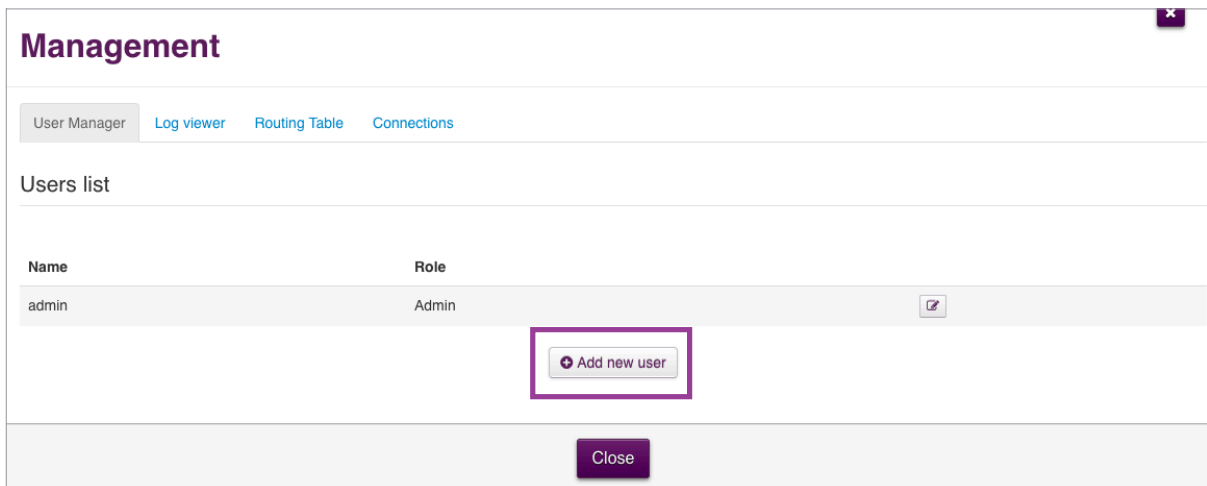
1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. Click on the "Advanced Settings" section.



3. In the "Advanced Settings" window, click on "Management".



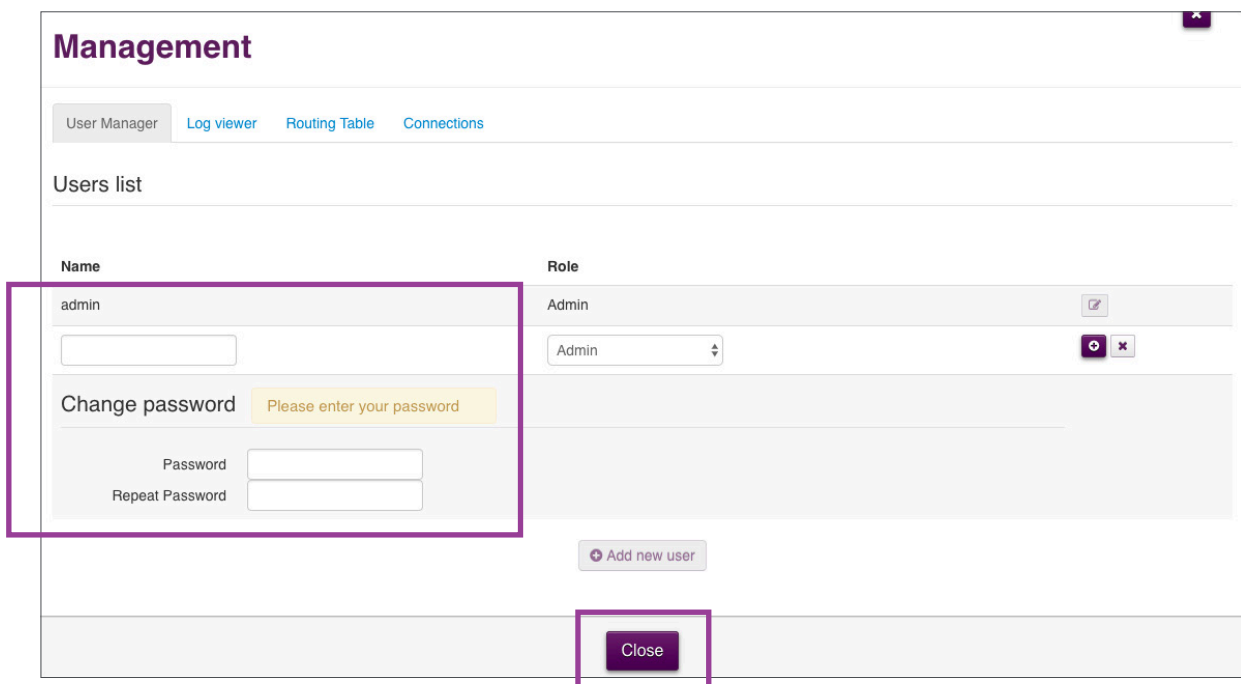
- Under “User Manager” tab, to add a new login name and password, click on the “Add new user” button at the bottom.



The screenshot shows the 'Management' interface with the 'User Manager' tab selected. Below the tab are links for 'Log viewer', 'Routing Table', and 'Connections'. The 'Users list' section contains a table with columns 'Name' and 'Role'. The first row shows 'admin' with role 'Admin'. Below the table is a button labeled 'Add new user' with a plus icon, which is highlighted with a red rectangle. At the bottom of the panel is a 'Close' button.

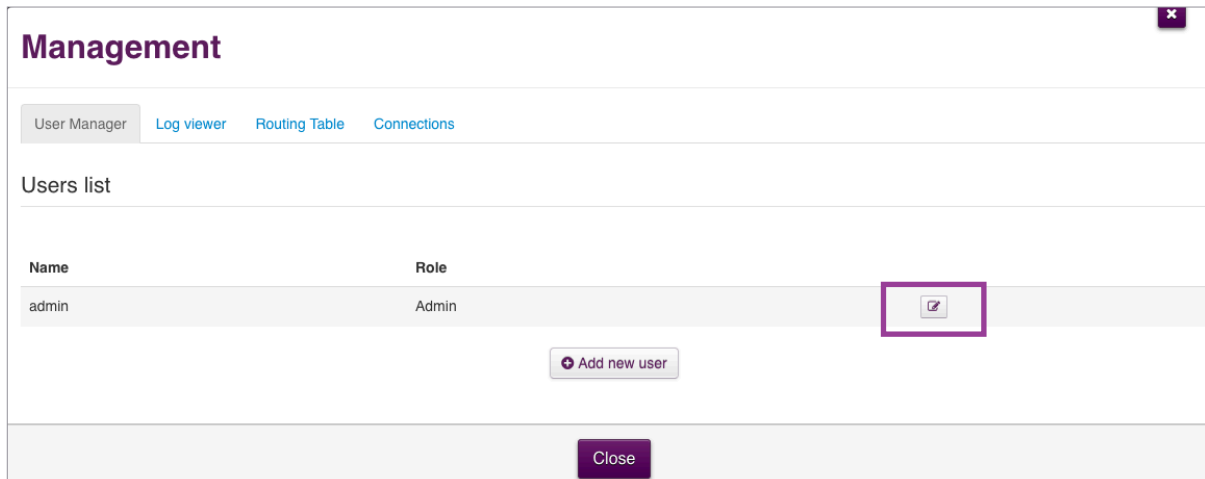
You will see new fields under “Name” and “Change Password” where you can enter a new username and password.

To finish, click on the “Close” button.



This screenshot shows the 'Add new user' form. The 'Name' field is highlighted with a red rectangle and contains the text 'admin'. Below it is a 'Change password' section, also highlighted with a red rectangle, which includes a yellow warning box that says 'Please enter your password', and two input fields for 'Password' and 'Repeat Password'. The 'Role' field is a dropdown menu showing 'Admin'. Below the form is the 'Add new user' button. At the bottom of the panel is a 'Close' button, which is highlighted with a red rectangle.

To edit the existing login name and password, click on the edit icon (there is a little pencil in it) next to the user details you would like to edit.



Management

User Manager Log viewer Routing Table Connections

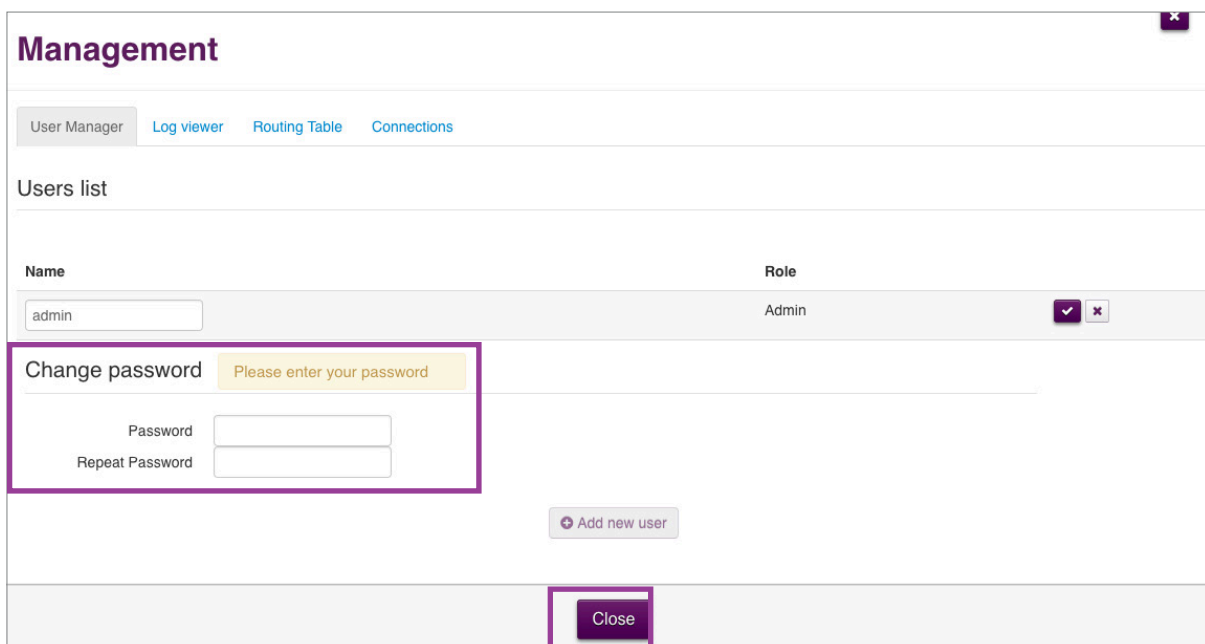
Users list

Name	Role
admin	Admin

+ Add new user

Close

You should now be able to edit the existing username and password.



Management

User Manager Log viewer Routing Table Connections

Users list

Name	Role
admin	Admin

+ Add new user

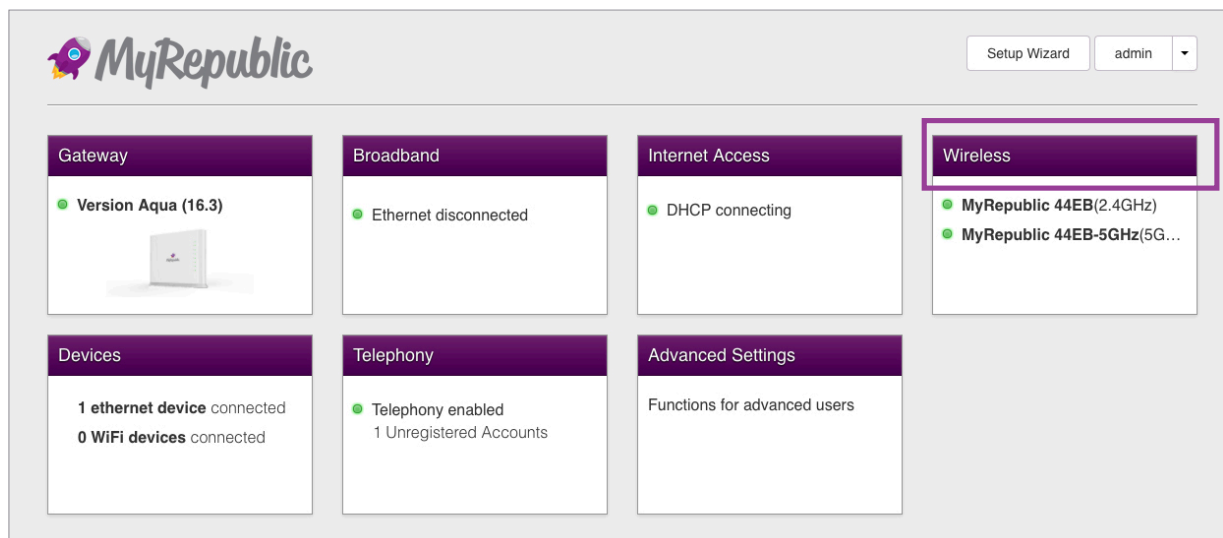
Close

Note:

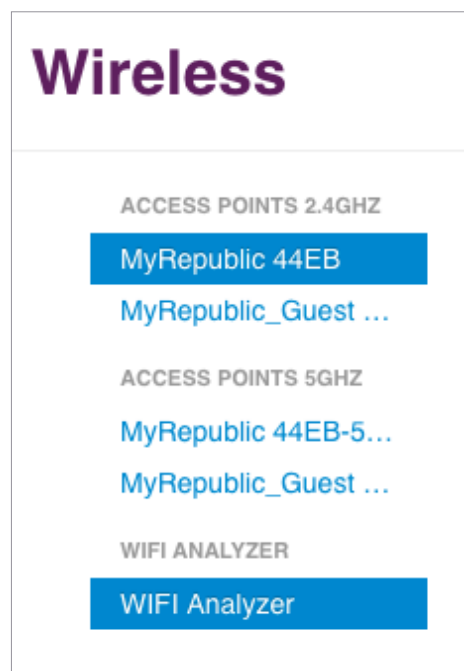
- To improve security, it is highly recommended that you change your Router Management Console login name and password to something other than the default “admin”.
- If you ever forget your Router Management Console login username and password and need to access the Console, you will need to perform a factory reset on your Wi-Fi Hub. You can find the instructions on how to perform a factory reset in the later pages.

How to manually change your Wi-Fi network name and password

1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. Select the "Wireless" section. You should already see the 2 Wi-Fi networks provided: the 2.4GHz Wi-Fi network and the 5GHz Wi-Fi network.



Select the wireless network you wish to make changes to.



- Under “Access Point”, look for the “SSID Name” and “Wireless Password” fields. The “SSID” refers to the name of the Wi-Fi network.

Make the changes you want and click “Close” to save your changes.

Wireless

ACCESS POINTS 2.4GHZ

MyRepublic 44EB

MyRepublic_Guest ...

ACCESS POINTS 5GHZ

MyRepublic 44EB-5...

MyRepublic_Guest ...

WIFI ANALYZER

WIFI Analyzer

Access Point

Enabled ☒

SSID name

Broadcast SSID ☒

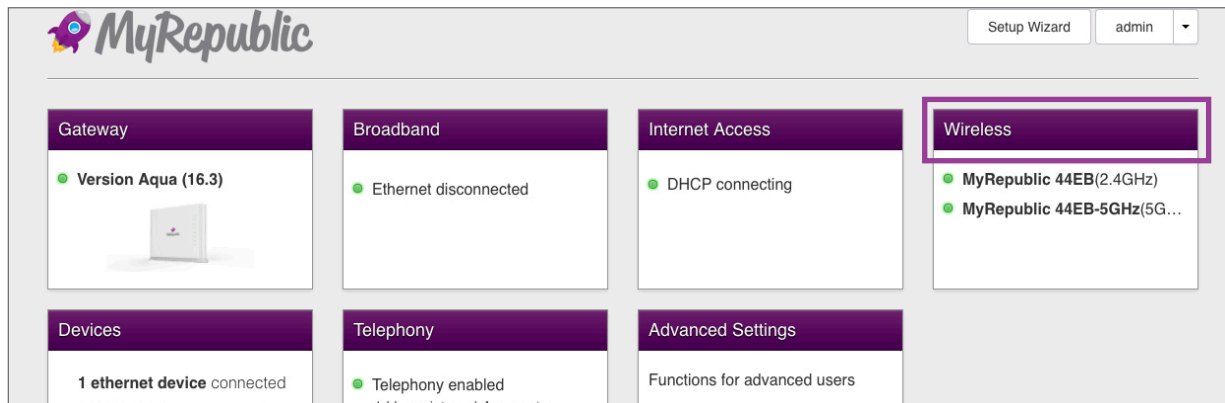
Security Mode

Wireless Password

WPS ☒

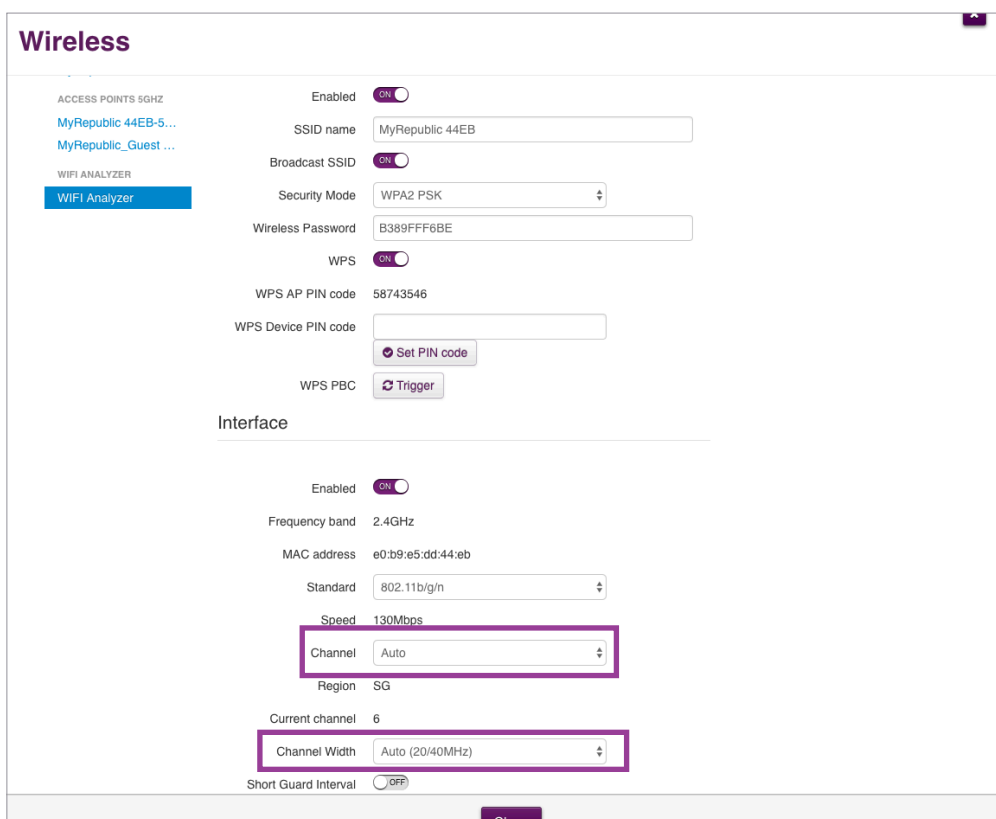
How to change your Wi-Fi Hub's Wi-Fi channels

1. Log in to your Wi-Fi Hub's Router Management Console (please refer to the previous section if you need instructions on how to do so).
2. From the Main Page, click on the "Wireless" section.



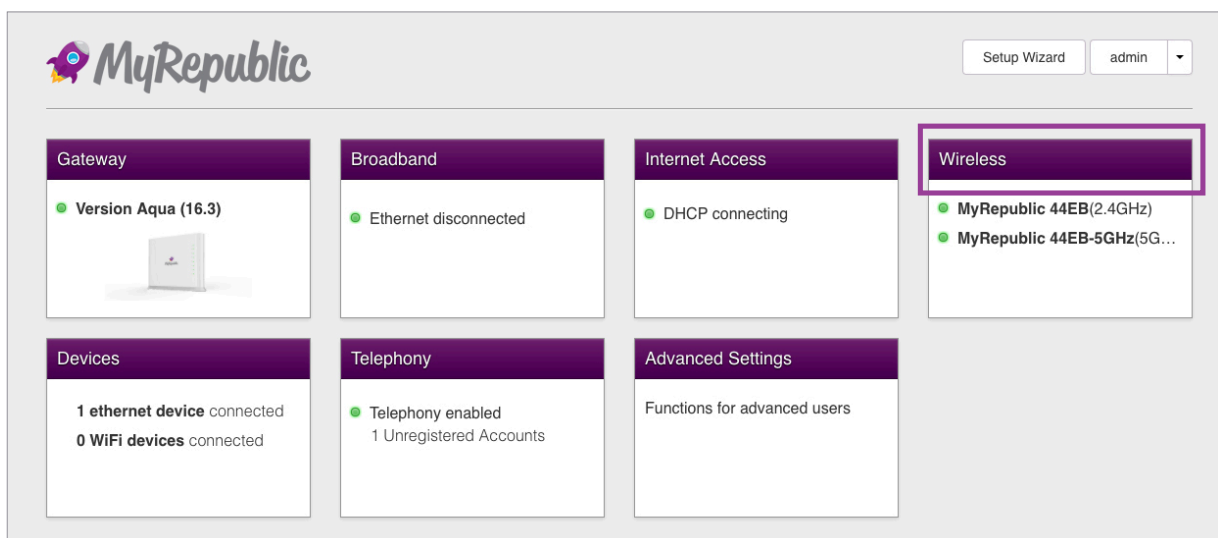
Under the "Wireless" menu, you will see a list of your Wi-Fi networks in the left column. Select the Wi-Fi network whose channel you want to edit.

Scroll down until you see the "Interface" section. Here you can set your Wi-Fi network's channel and the channel width's. Click "Close" to save your changes.

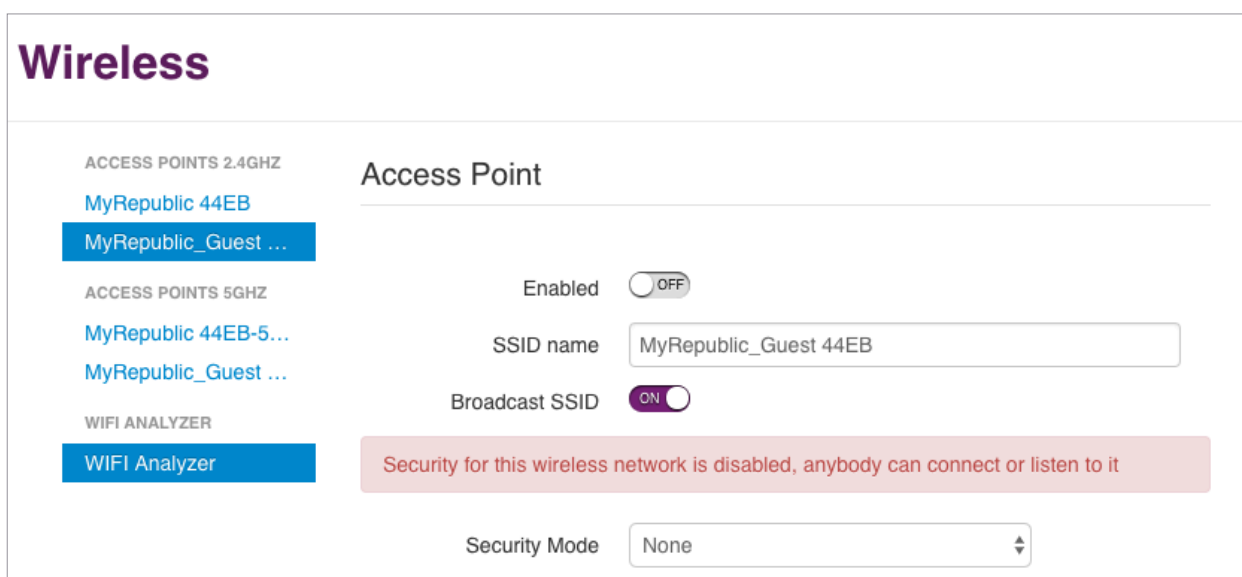


How to enable the guest Wi-Fi network

1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. From the Main Page, select the "Wireless" section.



The Wi-Fi Hub comes with guest Wi-Fi networks already set up for for both 2.4GHz and 5GHz bands. To make changes or view their details, click on the name of the guest Wi-Fi network you would like to configure in the left column.



3. After selecting the guest network, you will see options to set:

- SSID Name: this is the name of the Wi-Fi network
- Security Mode: If disabled, anyone can connect to this Wi-Fi network. As this is a guest network, you may wish not to use any security modes to allow guests easy access to the network.

4. Click the “Save” button to apply any changes you make.

The screenshot shows the 'Wireless' configuration page. On the left sidebar, under 'ACCESS POINTS 2.4GHZ', the 'MyRepublic_Guest ...' option is selected and highlighted with a red box. The main content area is titled 'Access Point' and contains several sections:

- Enabled:** A toggle switch set to 'ON'.
- SSID name:** A text input field containing 'MyRepublic_Guest 44EB'.
- Broadcast SSID:** A toggle switch set to 'ON'.
- Security:** A red warning box states 'Security for this wireless network is disabled, anybody can connect or listen to it'.
- Security Mode:** A dropdown menu set to 'None'.
- Interface:** A section displaying network details:
 - Frequency band: 2.4GHz
 - MAC address: e2:b9:e5:dd:44:ec
 - Standard: 802.11b/g/n
 - Speed: 130Mbps
 - Channel: auto
 - Region: SG
 - Current channel: 6
 - Channel width: Auto (20/40MHz)
- Access Control List:** A dropdown menu set to 'Blacklist'.

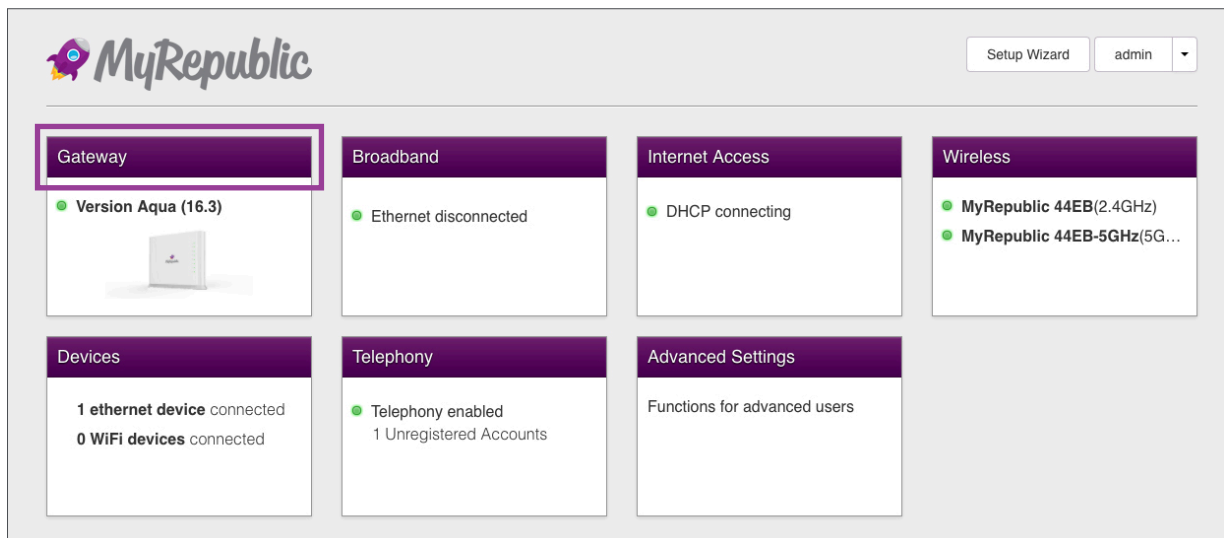
At the bottom right, there are 'Cancel' and 'Save' buttons.

Note:

- You may wish to enable the guest network for easy access to wireless internet while ensuring that your home network and any resources stored on it remain secure.

How to configure your router date and time

1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. From the Main Page, select the "Gateway" section.



3. The time zone is set to "Asia/Singapore" by default. To change the "System Time" of the router, select another time zone and click "Save". Check the "Network Time zone" box to apply the changes.

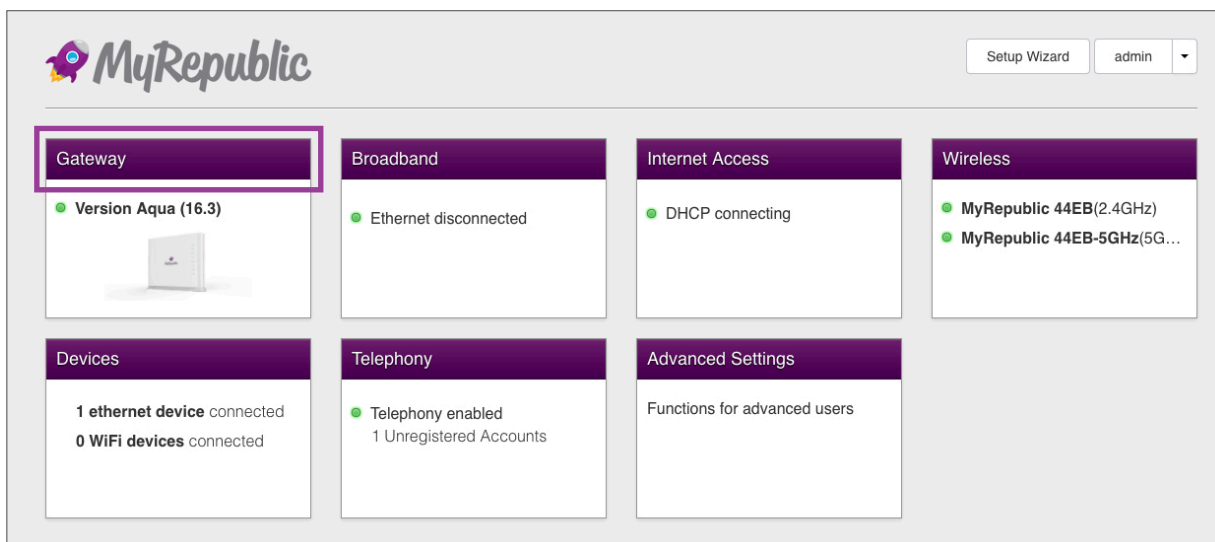
Gateway

Global Information

Product Vendor	Technicolor
Product Name	MediaAccess TG389ac High Power
Software Version	16.3
Firmware Version	16.3.7196-2761013-20161104092928
Firmware OID	581c46e8a9ddd227cefccbe
Bootloader Version	2.0.79
Bootloader OID	unknown
Hardware Version	GANT-2
Serial Number	CP1649RA3MZ
MAC Address	E0:B9:E5:DD:44:EA
Uptime	1hours 4min 30sec
System Time	2016-11-03 17:05:12
Network Timezone	<input checked="" type="checkbox"/>
Current Timezone	Asia/Singapore

How to install your router firmware

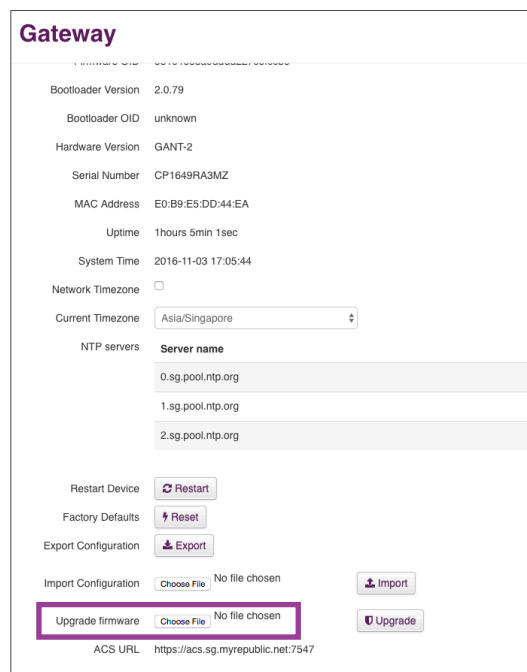
1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. From the Main Page, select the "Gateway" section.



Scroll down until you see "Upgrade Firmware". Click "Choose File" to browse your computer and select the file containing the Wi-Fi Hub firmware you want to install.

Click the "Upgrade" button and wait for the Wi-Fi Hub to reboot. This will take 2.5 minutes.

After the Wi-Fi Hub finishes rebooting, the firmware will be installed.

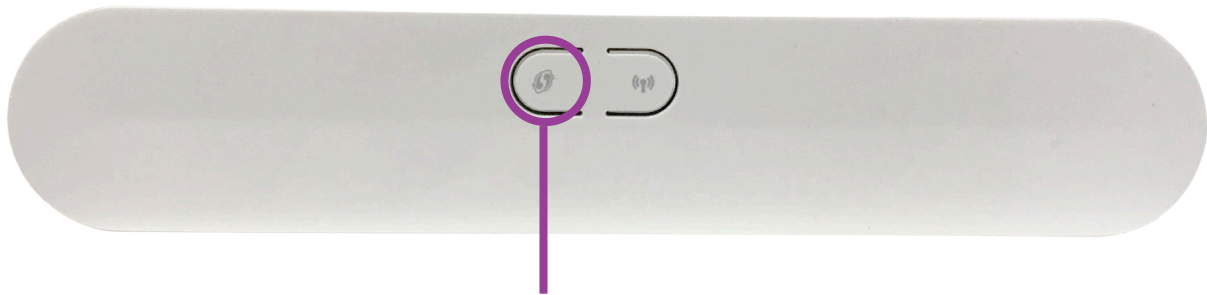


Note:

- **Don't have the latest firmware file?** Please check the MyRepublic support page at <https://support.myrepublic.com.sg/hc/en-us/sections/200595554-Modem-ONT-Router> for the latest firmware version, contact MyRepublic customer support at myservice@myrepublic.com.sg or call 6717 1680 for further assistance. We recommend using the latest firmware for the best performance.

How to connect via WPS

To connect to the wireless network through WPS, press the WPS button, which can be found on top of the Wi-Fi Hub. Then, use the device you want to connect to the Wi-Fi Hub and select the wireless network you want to connect to. Your device should connect automatically.



WPS Button

Note:

- WPS stands for Wi-Fi Protected Setup. WPS is a wireless networking standard designed to make setting up connections between a Wi-Fi router and wireless devices faster and easier.
- When connecting via WPS, you should notice the WPS LED on your router blinking rapidly.

How to limit device access (parental controls)

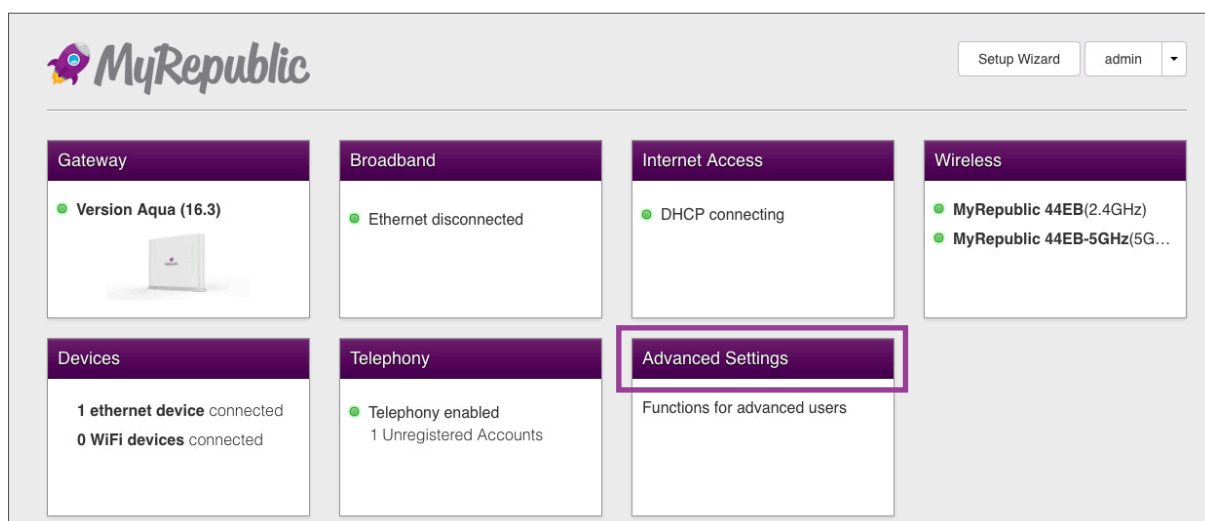
First you will get the physical address a.k.a. MAC addresses of the wireless devices you want to block or allow. A MAC address is a unique string of numbers and letters that identifies each device on your network. To get a device's MAC address:

- For phones, the details will vary by your phone model but you should be able to find your MAC address under Phone Settings > About Phone/Device > MAC Address
- For Laptops or PCs, open your computer's Command Prompt by typing cmd.exe in the search field of the Start menu or click on Start, then Accessories, and then click on the Command Prompt icon.

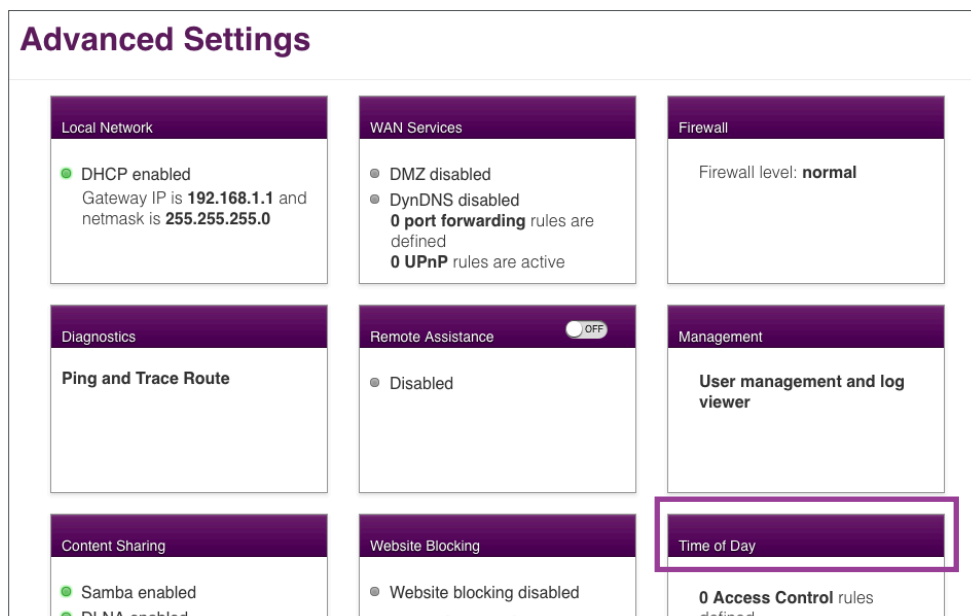
In the Command Prompt menu, type this command: ipconfig/all

You should see the device's MAC address under Physical Address. Its format should look something like "2C-3F-45-01-1C-32".

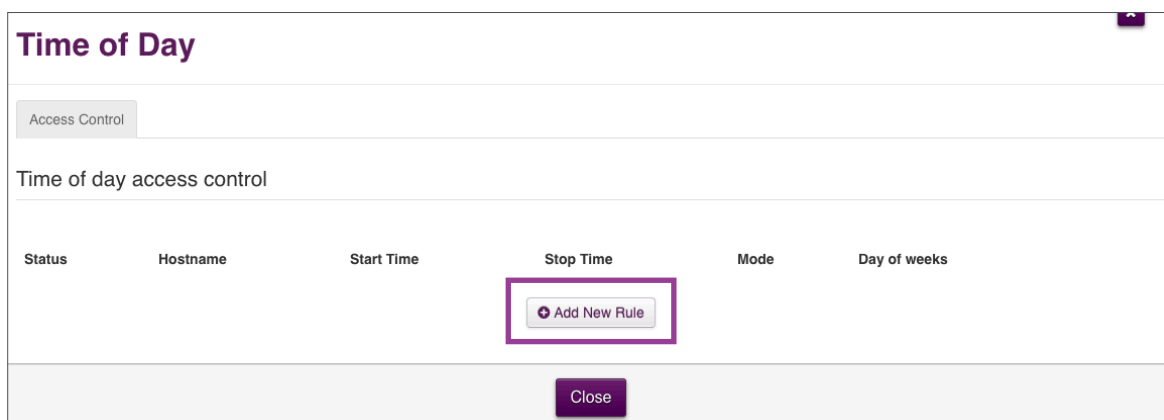
2. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
3. From the Main Page, select the "Gateway" section.



4. From the “Advanced Settings”, select “Time of Day”.



5. Click on the “Add New Rule” button to set up parental controls based on time.



6. These are the options when adding a new rule:

- **Enabled:** Untick the box to disable. This determines whether the rule is active.
- **Hostname:** Key in the MAC address of the device. The format must use colons e.g. D4:61:2E:D5:B2:66 – replace the dashes with colons if needed.
- **Mode:** Choose either Allow or Block access for the device.
- **Start Time:** Key in the start time in 24-hour format e.g. 17:00
- **Stop Time:** Key in the stop time in 24-hour format e.g. 21:00
- **Day of week:** Check the day(s) you want to allow/deny access of your device.

Time of Day

Access Control

Time of day access control

Status	Hostname	Start Time	Stop Time	Mode	Day of weeks
					<input type="checkbox"/> Mon. <input type="checkbox"/> Tue. <input type="checkbox"/> Wed. <input type="checkbox"/> Thu. <input type="checkbox"/> Fri. <input type="checkbox"/> Sat. <input type="checkbox"/> Sun.

Time of day access control

Enabled ☒

Hostname

Mode

Start Time

Stop Time

Day of week ☐ Mon. ☐ Tue. ☐ Wed. ☐ Thu. ☐ Fri. ☐ Sat. ☐ Sun.

[Add New Rule](#)

Add

For example, the settings in the image below would mean that the device with MAC address D4:61:2E:D5:B2:66 would only be able to connect to the Wi-Fi Hub from 5pm - 9pm on Monday only.

Time of Day

Access Control

Time of day access control

Status	Hostname	Start Time	Stop Time	Mode	Day of weeks
	Unknown-D4:61:2E:D5:B2:66	00:00	23:59	allow	<input checked="" type="checkbox"/> Mon. <input type="checkbox"/> Tue. <input type="checkbox"/> Wed. <input type="checkbox"/> Thu. <input type="checkbox"/> Fri. <input type="checkbox"/> Sat. <input type="checkbox"/> Sun.

[Add New Rule](#)

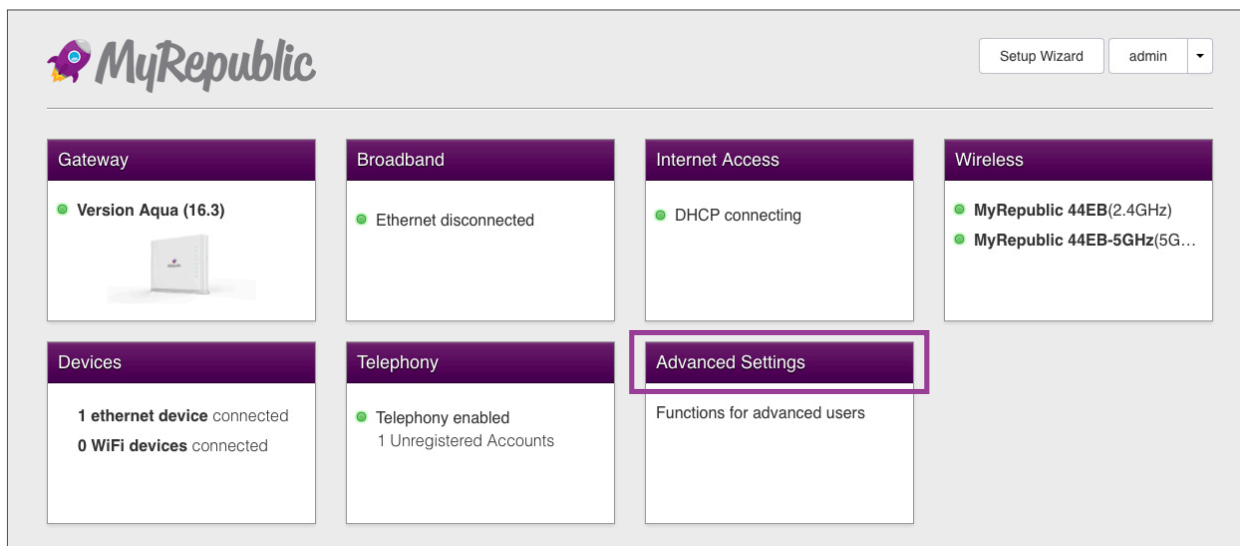
If you wish to edit or delete an access rule, click the edit or delete icons found on the right of the rule.

How to set up port forwarding on your Wi-Fi Hub

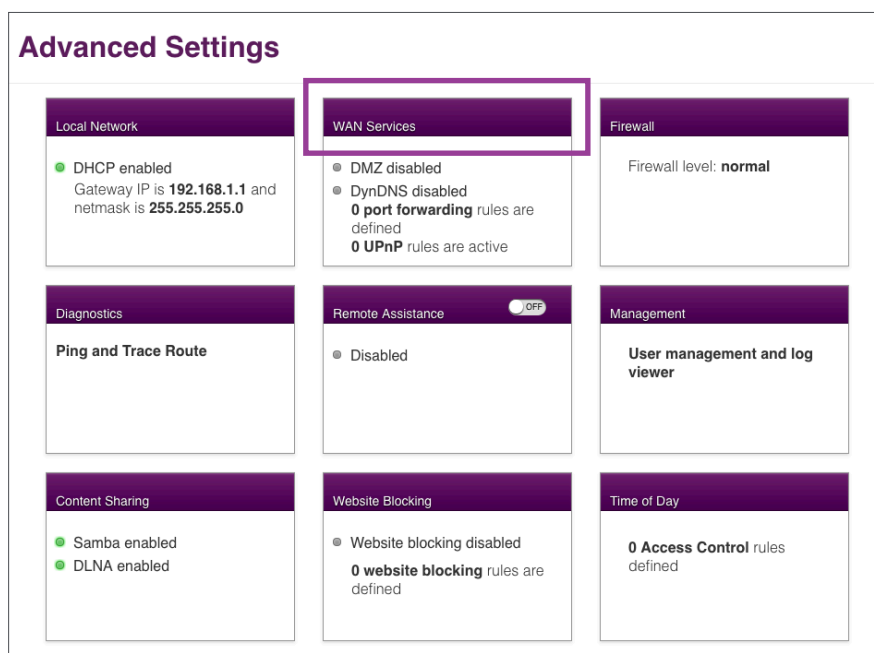
Port forwarding can be set up 2 ways:


1st Option:

1. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
2. From the Main Page, select "Advanced Settings".



3. From the Main Page, select "WAN Services".



4. Under IPv4 Port forwarding table, click on “Add new IPv4 port mapping” to add a custom port mapping or click on the dropdown  arrow to add by common applications.

WAN services

refresh data

DMZ

Enabled ☐

Destination IP

Destination MAC

IPv4 Port forwarding table

Name	Protocol	WAN port	LAN port	Destination IP	Destination MAC
<div>+ Add new IPv4 port mapping</div>					

UPnP

UPnP Enabled ☐

NAT-PMP Enabled ☐

For custom port mapping, you need to fill in the following details and then click the “Add” icon to apply your changes.

- **Name:** The server name or whatever name you choose
- **Protocol:** Can be set to TCP, UDP or both TCP/UDP
- **WAN Port:** The WAN port, which can be a range separated by a colon or just a single port
- **LAN Port:** The LAN port; Can be a range separated by a colon or just a single port

Destination IP: Destination LAN IP

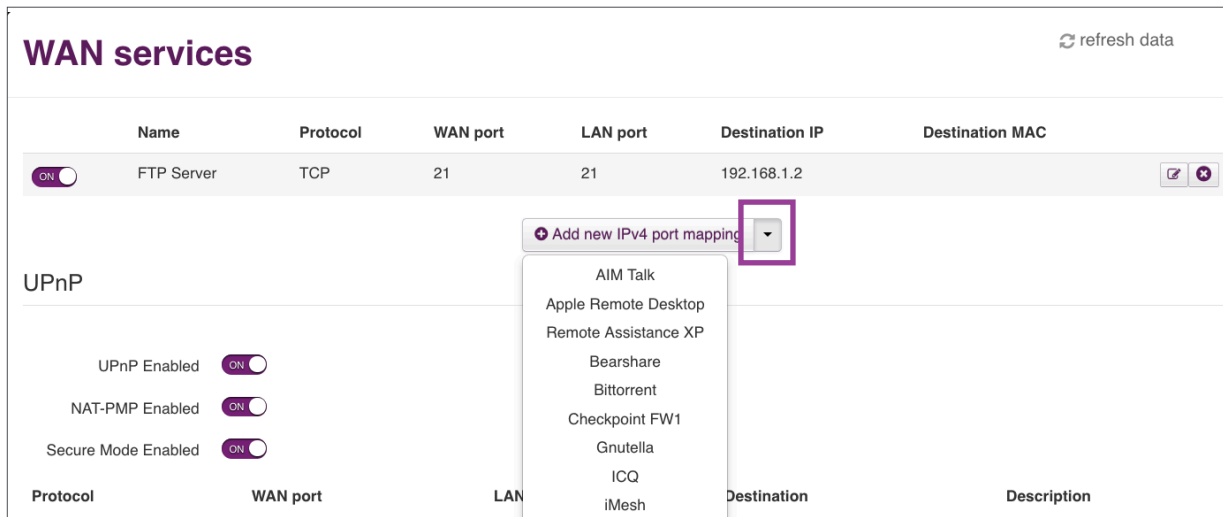
IPv4 Port forwarding table

<input type="checkbox"/>	<div>Name</div> <input type="text" value="FTP Server"/>	<div>Protocol</div> <div>TCP</div>	<div>WAN port</div> <input type="text" value="21"/>	<div>LAN port</div> <input type="text" value="21"/>	<div>Destination IP</div> <input type="text" value="192.168.1.2"/>	<div>Destination MAC</div> <input type="text"/>	<div>Add</div> <div></div> <div></div> <div></div>
--------------------------	---	------------------------------------	---	---	--	---	--

+ Add new IPv4 port mapping

2nd Option:

1. Under WAN services, click on the Dropdown icon 



WAN services refresh data

Name	Protocol	WAN port	LAN port	Destination IP	Destination MAC
<input checked="" type="checkbox"/> FTP Server	TCP	21	21	192.168.1.2	

UPnP

UPnP Enabled ☒

NAT-PMP Enabled ☒

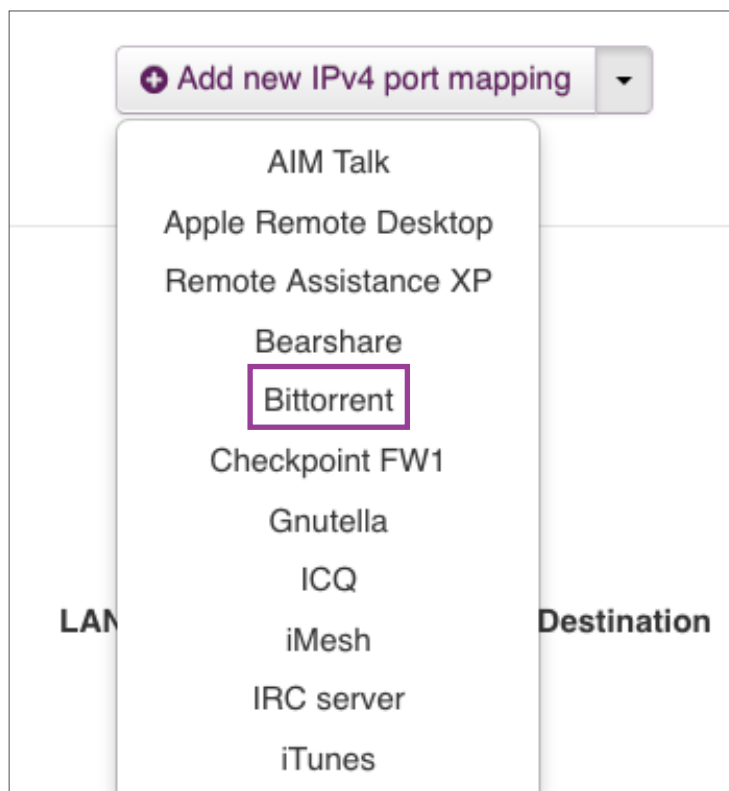
Secure Mode Enabled ☒

Add new IPv4 port mapping

- AIM Talk
- Apple Remote Desktop
- Remote Assistance XP
- Bearshare
- Bittorrent**
- Checkpoint FW1
- Gnutella
- ICQ
- iMesh

Protocol	WAN port	LAN	Destination	Description
----------	----------	-----	-------------	-------------

2. Select the application from the dropdown menu that you want to forward to a specific IP address. For example, you can select “Bittorrent”.



Add new IPv4 port mapping

- AIM Talk
- Apple Remote Desktop
- Remote Assistance XP
- Bearshare
- Bittorrent**
- Checkpoint FW1
- Gnutella
- ICQ
- iMesh
- IRC server
- iTunes

LAN **Destination**

3. Enter the destination IP you want the application's ports forwarded to and click on the "Add" icon on the right to add the port forward rule.

WAN services refresh data

IPv4 Port forwarding table

Name	Protocol	WAN port	LAN port	Destination IP	Destination MAC
<input checked="" type="checkbox"/> FTP Server	TCP	21	21	192.168.1.2	
<input checked="" type="checkbox"/> Bittorrent	TCP/UDP	6881:6999	6881:6999	192.168.1.2	

+ Add new IPv4 port mapping

Add

4. The new rule will appear with the Name, Destination IP and Destination MAC.

WAN services refresh data

IPv4 Port forwarding table

Name	Protocol	WAN port	LAN port	Destination IP	Destination MAC
<input checked="" type="checkbox"/> Bittorrent	TCP/UDP	6881:6999	6881:6999	192.168.1.2	

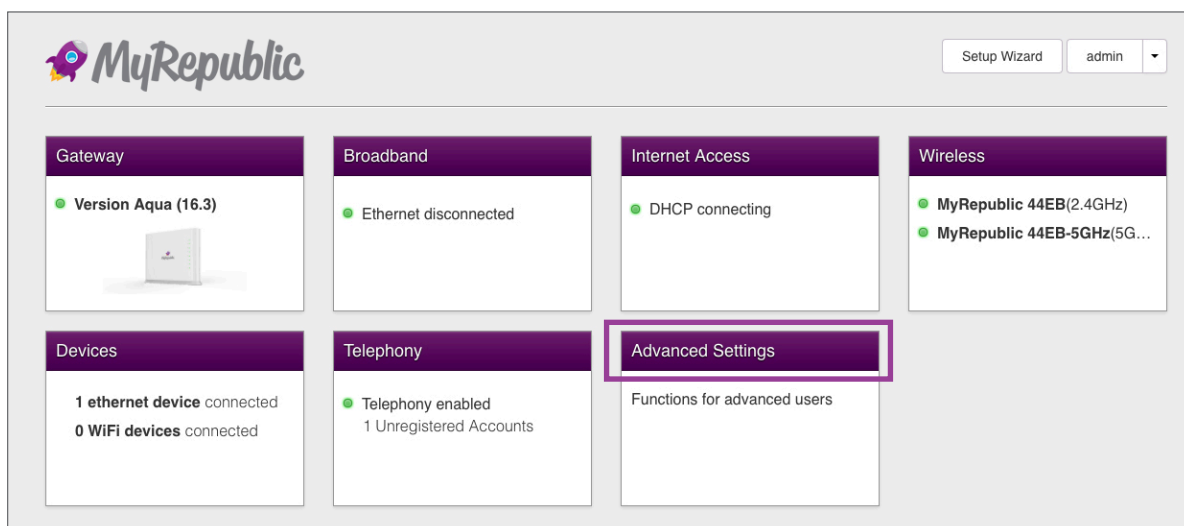
+ Add new IPv4 port mapping

How to set up your Wi-Fi Hub as an access point

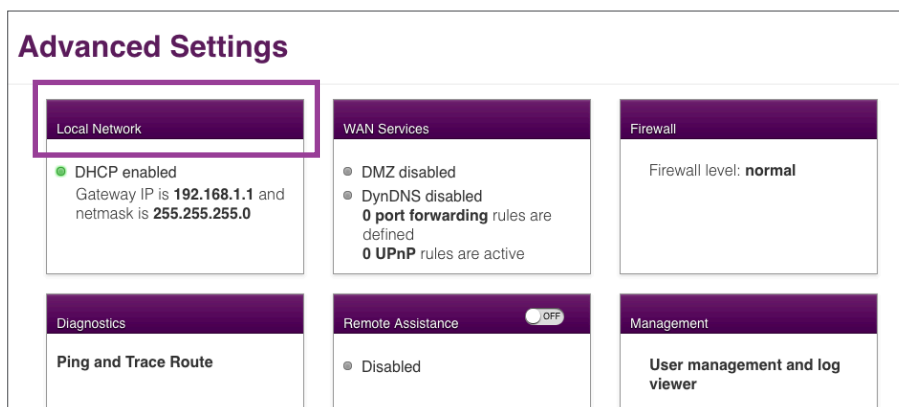
Note:

- The Wi-Fi Hub is currently not set up to work as an access point. The instructions below serve as a workaround.

1. Connect an Ethernet cable from one of the LAN ports on the back of your main router to one of the LAN ports at the back of the Wi-Fi Hub.
2. Log in to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
3. From the Main Page, select "Advanced Settings" .



In the "Advanced Settings" menu , select "Local Network".



4. Under the “Local Network” settings, you need to do the following:
 - a. Under “Global Information”, delete the default router’s Local Device IP address (which should be 192.168.1.1) and assign it with another IP address that is within the same network range from the router to where the Wi-Fi Hub would be connected i.e. 192.168.1.X where X is a number from 1 to 254.

Local Network

LAN INTERFACES

lan

guest2

guest1

Static leases

Global Information

Local Device IP address192.168.1.50

After Save, please renew your computer's IP address to reconnect to the gateway

Local Network subnet255.255.255.0

IPv6 stateON

DHCP Settings

DHCP ServerOFF

Network address192.168.1.0

DHCP Start address192.168.1.2

DHCP End address192.168.1.254

New start2

New limit253

Lease time24h

DNS server192.168.1.50

Hostname	MAC address	IP
----------	-------------	----

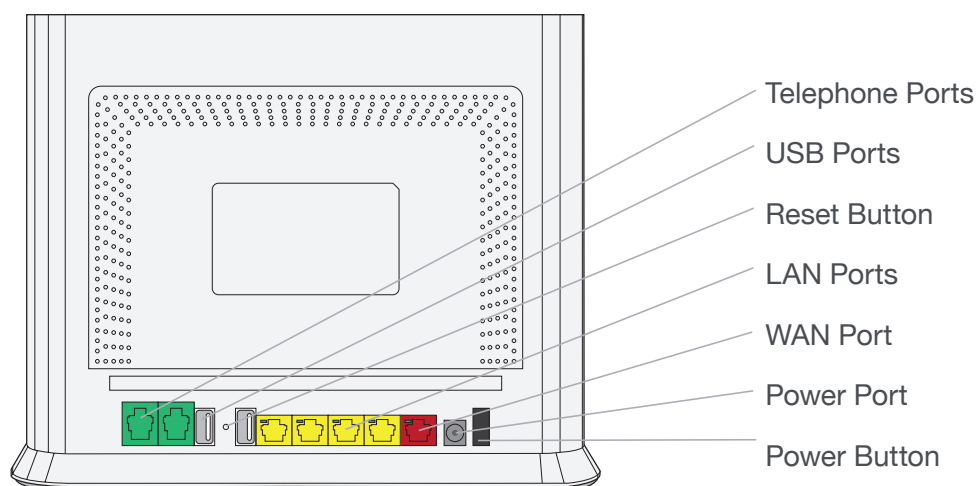
Add new static lease

CancelSave

Note:

- Please ensure that the IP address is reserved at the router to where the Wi-Fi hub would be connected as an access point e.g. if the Wi-Fi Hub is given an IP address of 192.168.1.88 make sure that address is not used by any other device.

- b. Under the “DHCP Settings”, disable the DHCP server.
- c. Click “Save” to apply the changes.
- d. Reboot the router by pressing the power button located at the back of Wi-Fi Hub.



If you would like to add an access point to your Wi-Fi Hub...

- i. First ensure that the default (192.168.1.1) “Local Device IP address” of your access point has been changed to a different IP address within the same network range and that DHCP has been disabled.

See the steps in the previous section on “How to set up your Wi-Fi Hub as an access point” on the setting changes you would need to make to your access point.

- ii. Connect your Ethernet cable from one of the LAN ports on the back of your Wi-Fi Hub router to one of the LAN ports on the back of your Access Point.

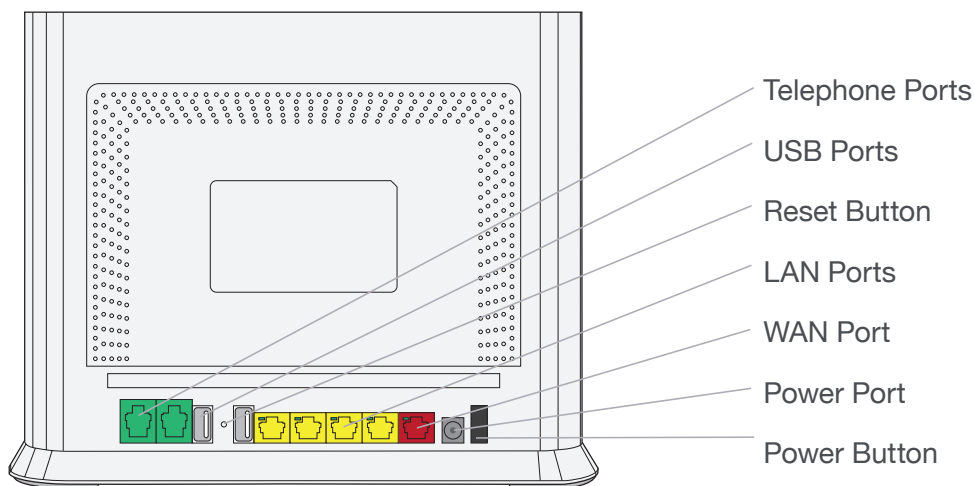
Troubleshooting

Power cycling your Wi-Fi Hub

Note:

- If you are experiencing router issues such as slow Internet speeds, disconnections or poor Wi-Fi performance, power cycling your router can be a simple but easy fix.
- The terms “power cycle” or “restart” or “reboot” mean the same thing – but do not confuse them with “reset” as that usually refers to a factory reset.
- Power cycling is helpful because electrical devices may become overloaded with data or overheat. By removing power, power cycling refreshes the router’s built-in RAM (internal memory) and allows the device to function almost like a new device.

1. Press the power button at the back of the Wi-Fi Hub to turn it off.



2. Disconnect the Wi-Fi Hub’s power cable.
3. Keep the Wi-Fi Hub disconnected from the power supply for at least 15 seconds, preferably more (1 minute is recommended) as we want to ensure that all electrical power has drained from the router.
4. Connect the power cable back to the Wi-Fi Hub.
5. Wait for the WAN light on the front of the Wi-Fi Hub to turn green and blinking.

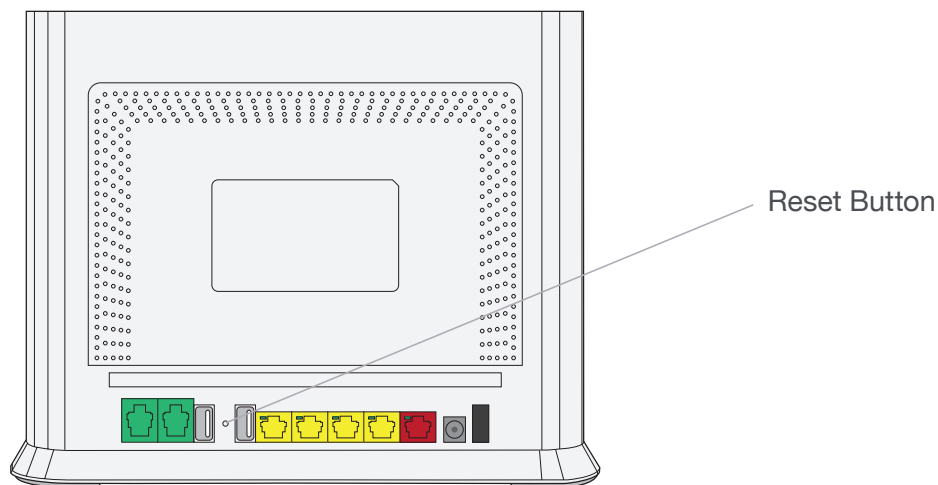
Factory resetting your Wi-Fi Hub

If you can't access your Wi-Fi Hub's Router Management Console or forgot your Wi-Fi network password, you may need to reset your Wi-Fi Hub back to its default factory settings.

Note:

- If you factory reset your Wi-Fi Hub, it will reset your Router Management Console's username and password back to their default, which is "admin" for both.

1. Take a pin (or similar tool) and press and hold the Reset button at the back of the Wi-Fi Hub for 10 to 20 seconds while the Wi-Fi Hub is on.



2. The power LED of the router will keep blinking for a few seconds after the reset as the Wi-Fi Hub's systems try to stabilise. It should soon stop however. If the power light is still blinking after a minute, power cycle the Wi-Fi Hub.

You have forgotten your Wi-Fi Hub's Wi-Fi Password

If you have not changed your Wi-Fi password from your Wi-Fi Hub's default settings, you can find your Wi-Fi password on:

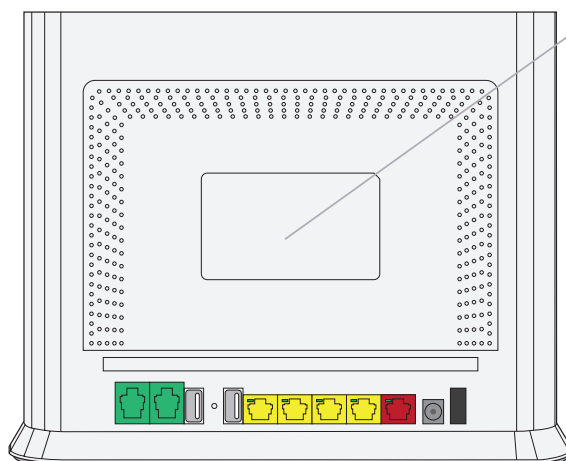
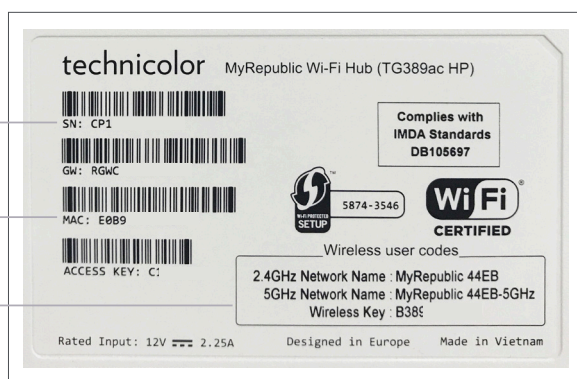
- The magnetic Wi-Fi Security Card that came with your Wi-Fi Hub
- The sticker on the back of your Wi-Fi Hub



Serial Number

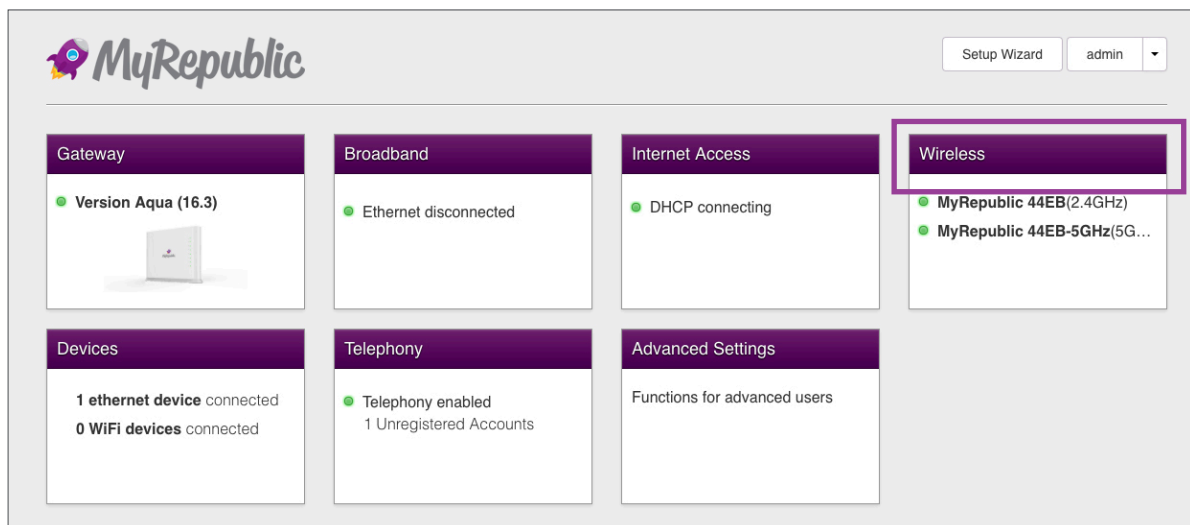
MAC Address

Wireless SSID and key
i.e. your Wi-Fi network name
and Wi-Fi password

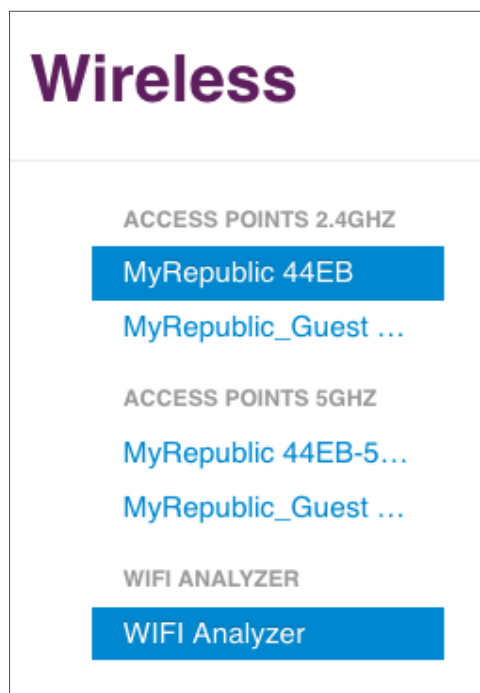


If you had previously changed your wireless settings from the default setting and forgot your password, do the following:

- i. Connect to the Wi-Fi hub over Wi-Fi or directly using a Ethernet cable
- ii. Login to the Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so)
- iii. From the Main Page, click on the "Wireless" section.



- iv. In the left column that shows all your Wi-Fi networks, click the wireless network whose password you have forgotten.



- v. After selecting the Wi-Fi network, you should be able to see the network's name (SSID name) and its password (Wireless Password). You can choose to make changes to the network's name or password here if you like.

Wireless

ACCESS POINTS 2.4GHZ

MyRepublic 44EB

MyRepublic_Guest ...

ACCESS POINTS 5GHZ

MyRepublic 44EB-5...

MyRepublic_Guest ...

WIFI ANALYZER

WIFI Analyzer

Access Point

Enabled ☒

SSID name MyRepublic 44EB

Broadcast SSID ☒

Security Mode WPA2 PSK

Wireless Password B389FFF6BE

WPS ☒

WPS AP PIN code 58743546

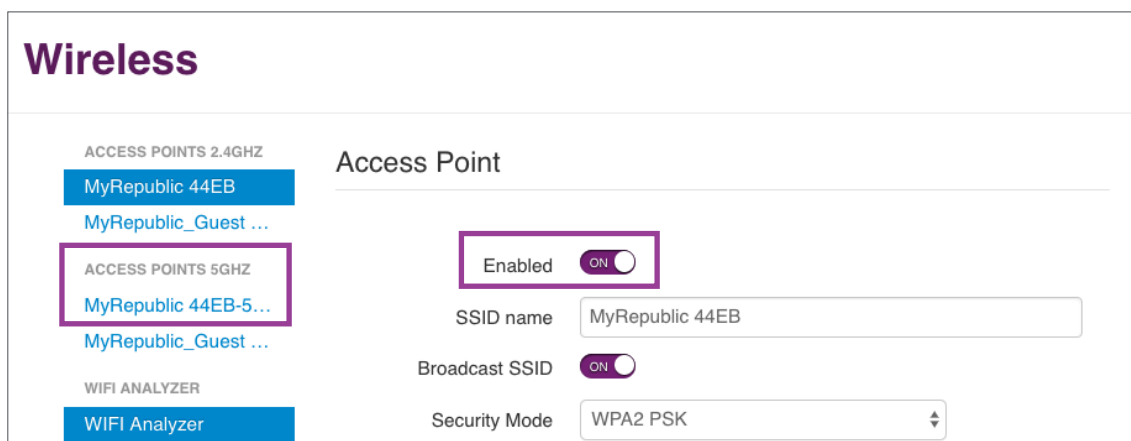
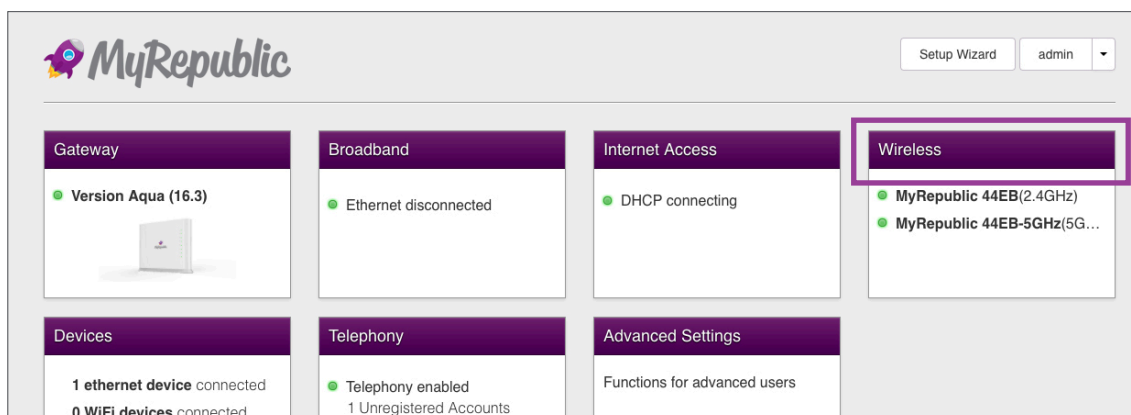
WPS Device PIN code

☒ Set PIN code

WPS PBC

Your Wi-Fi Hub cannot be detected by your devices over Wi-Fi

1. Power cycle your Wi-Fi Hub router. You can refer to a previous section of this manual for instructions on how to do so.
2. Ensure that wireless setting and Wi-Fi adapter in your computer or device is on.
3. Press and hold for 5 seconds the Wi-Fi Hub's wireless On/Off button (📶) to refresh the wireless capability. This button is located on the top of your Wi-Fi Hub.
4. If the problem persists, ensure that Wi-Fi Hub's wireless interface is enabled (it should be enabled by default). To do so, log in to the Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to do so).
5. From the Main Page, select the "Wireless" section.
6. In the Wireless settings, select the Wi-Fi network you are trying to connect to and make sure that "Enabled" option switch is on.



7. If the above steps still do not solve the issue, try to reposition the Wi-Fi Hub closer to your wireless device.
8. You can also try changing the wireless channel in case the issue is caused by signal interference (a previous section of this manual has instructions on how to change this).
9. Reboot both Wi-Fi Hub and device to reinitialize the connection
10. If none of the above options work, please contact MyRepublic's support for further checking.

Note:

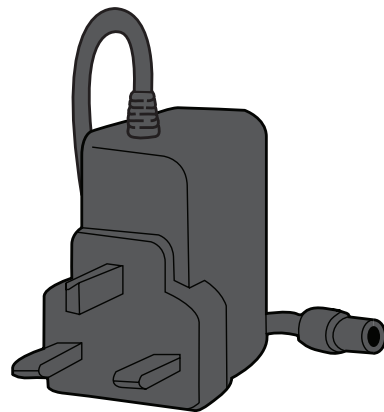
- If you are having difficulties connecting to the 5GHz Wi-Fi network, not all devices support 5GHz, especially older devices.

Your Wi-Fi Hub is not powering on

1. Ensure that the power button at the back of your Wi-Fi Hub is set in the “on” position by switching it off and on.
2. Ensure the power adapter is properly connected to the Wi-Fi Hub and the power supply.
3. Check your power adapter for any damage or burns. A burnt smell coming from the router or adapter would suggest overheating and heat damage.
4. Connect your power adapter to another power socket. If your Wi-Fi Hub still does not power on please contact MyRepublic Customer Service for further assistance.



Power Socket



Power Adapter

Warranty information for your Wi-Fi Hub

- The Wi-Fi Hub comes with a 2-year warranty tied to the original purchaser starting from the point of installation or delivery - not the point of sign up.
- This warranty only covers routers purchased from MyRepublic Singapore, and can only be claimed in Singapore.
- To claim your router warranty, contact MyRepublic Customer Service by calling 6717 1680 or by emailing myservice@myrepublic.com.sg.



Need More Help?

If you're a MyRepublic Singapore customer, you're welcome to contact us through our:



Customer Service Hotline
6717 1680



Customer Service Email
myservice@myrepublic.com.sg



Website Live Chat
www.myrepublic.com.sg

You may also find the answers you're looking for in our website's Support section at www.myrepublic.com.sg/support



-
- To claim your warranty, you will need to provide your MyRepublic Customer/ Subscription ID for our Customer Service personnel to check your warranty validity.
 - If you are an active MyRepublic fibre broadband customer and are having technical issues with your Wi-Fi Hub, a technician will be sent down to replace the Wi-Fi Hub if it is found to be faulty.
 - If your warranty is still valid and you are no longer a MyRepublic customer, you will need to come to the MyRepublic head office to have the device replaced.

Wi-Fi intermittent disconnection / low Wi-Fi signal / slow speed over Wi-Fi

1. Power cycle your Wi-Fi Hub router. A previous section in this manual has instructions on how to do so.
2. Test your Internet connection by connecting your computer or laptop directly to the ONT via Ethernet cable i.e. bypass the Wi-Fi Hub. If all your devices have no LAN ports, you can skip this step.

If you still have no or poor Internet connectivity while connected directly to the ONT, please contact MyRepublic Customer Service for further assistance.

3. If your connection issues are solved by a direct connection to the ONT, connect a computer or laptop directly to one of the Wi-Fi Hub's LAN ports using an Ethernet cable. This is to check if it is specifically a Wi-Fi issue.
4. If you are still having issues while using a direct LAN connection, check that all your cables are properly connected and perform a factory reset on the Wi-Fi Hub (a previous section of this manual has instructions on how to do a factory reset).

If your issues still persist after a factory reset, please contact MyRepublic Customer Service.

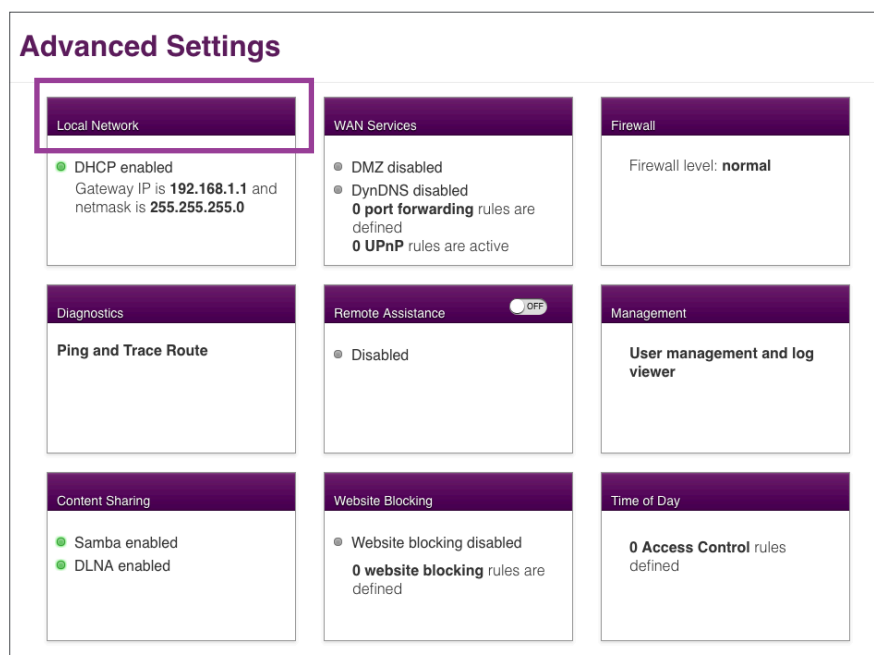
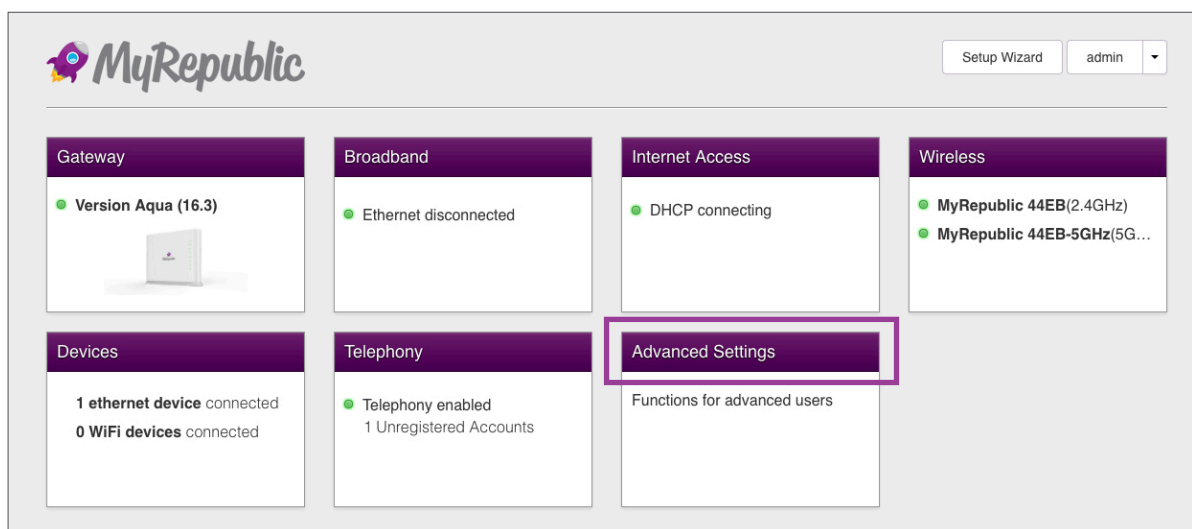
5. If it appears to be a Wi-Fi issue, try changing the channel of the Wi-Fi network you are connected to (you can refer to a previous section in this manual for instructions on how to change your Wi-Fi network channel).
6. Check and update the firmware version of your Wi-Fi router (a previous section of this manual has instructions on how to install new router firmware).

Note:

- The speed at which your computer or device can stream or download files depends on its hardware specifications as well, such as its CPU or network adapter. Certain CPU or network adapters, such as those in mobile devices, are not powerful enough to reach anywhere near 1Gbps download speeds.

How to set manual DNS e.g. to google DNS

1. Login to your Wi-Fi Hub's Router Management Console (a previous section of this manual has instructions on how to access the console).
2. From the Main Page, select "Advanced Settings".
3. On the "Advanced Settings" page, select "Local Network".



- Under “DHCP Settings” change the “DNS Server” to your preferred DNS. For example, the Google DNS IP addresses are 8.8.8.8 or 8.8.4.4. When you are done click the “Save” button to apply the changes.

The screenshot shows the 'Local Network' configuration page. On the left, under 'LAN INTERFACES', 'lan' is selected. The main section is 'Static leases'. Under 'Global Information', 'Local Device IP address' is 192.168.1.1, 'Local Network subnet' is 255.255.255.0, and 'IPv6 state' is ON. Under 'DHCP Settings', 'DHCP Server' is ON, 'Network address' is 192.168.1.0, 'DHCP Start address' is 192.168.1.2, 'DHCP End address' is 192.168.1.254, 'New start' is 2, 'New limit' is 253, 'Lease time' is 24h, and 'DNS server' is 8.8.8.8. Below these are fields for 'Hostname', 'MAC address', and 'IP'. At the bottom, there is a table with columns 'Hostname', 'MAC address', and 'IP'. A button 'Add new static lease' is below the table. At the very bottom, there are tabs for 'Bridged Mode' and 'Bridged Mode' (with a gear icon), and buttons for 'Cancel' and 'Save'.

Local Network

LAN INTERFACES

- lan
- guest2
- guest1

Static leases

Global Information

Local Device IP address: 192.168.1.1

Local Network subnet: 255.255.255.0

IPv6 state: ON

DHCP Settings

DHCP Server: ON

Network address: 192.168.1.0

DHCP Start address: 192.168.1.2

DHCP End address: 192.168.1.254

New start: 2

New limit: 253

Lease time: 24h

DNS server: 8.8.8.8

Hostname: MAC address: IP:

+ Add new static lease

Network mode

Bridged Mode Bridged Mode

Cancel Save

- Power cycle your Wi-Fi Hub to ensure that the changes take effect (a previous section of this manual has instructions on how to do this).

Note:

- You can use your preferred DNS server but specific MyRepublic services may need you to use MyRepublic DNS servers to function properly.