AZTECH DSL7002GRV(S)

SingTel - Wireless N Gigabit Ethernet GIGABIT DUAL-BAND Residential Gateway

SINGAPORE | MAY 2013

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Presented by: RIC

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Hardware Features

WAN Connection

- Built-in ADSL2/2+ modem for ADSL connection
- 1-Port Gigabit Ethernet WAN Port for ONT (FTTH) Connection

LAN Connection

- 4-Port Gigabit Ethernet LAN
- Built-in Wireless a/b/g/n Dual Band Access Point (2.4GHz and 5Ghz)

Others

- 2 FXS Ports for connecting analog Phone sets
- WPS – Wifi Protected Setup button support
- 2-Port USB Host for File and Printer Sharing
- LED Indicators for all interfaces and services

Firmware Features

- Out of the box pre-configuration to support MIO TV, MIO Voice and SingNet Broadband
- TR069 Compliant Residential Gateway (auto configuration, remote monitoring/troubleshooting, remote firmware upgrade etc.)
- End user do-it-yourself installation and configuration through push pages for ADSL
- Zero configuration Internet installation for FTTH
- Unique Wireless SSID and Wireless Key for each of the unit (default wireless credentials are printed on the casing label sticker)
- Dynamic LAN Port mapping for the IPTV – STB
- Port Forwarding and DMZ support, configurable from the user mode pages
- Push page support for Suspected missing microfilter for ADSL
- Standard support for Wireless Security / Encryption

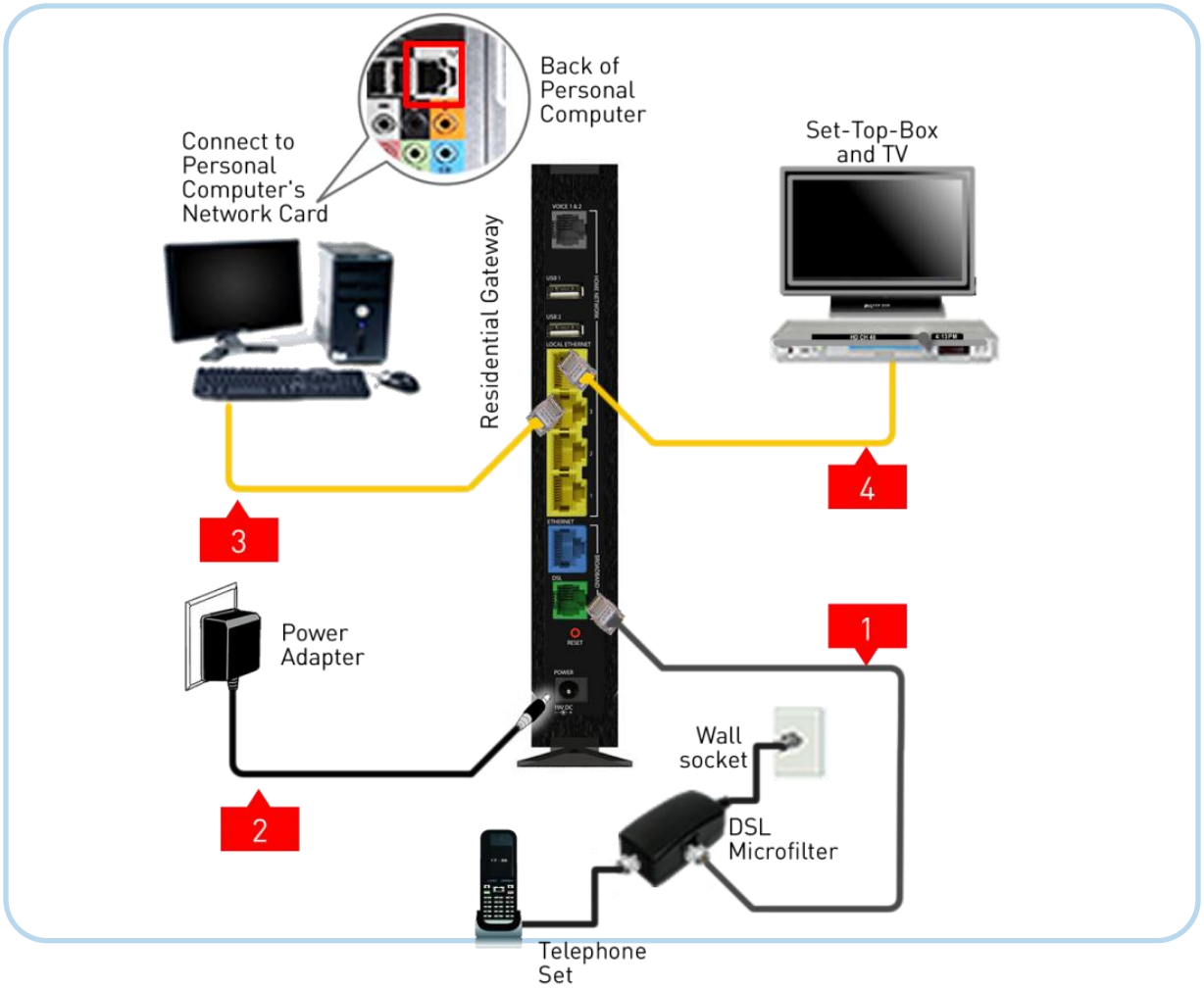
Front Panel Indicators and Button

- Power
- Ethernet LAN Ports 1 to 4
- Wifi (2.4GHz and 5GHz) NEW
- Voice 1 and 2 (Telephone)
- USB
- IPTV
- Broadband (ADSL and Ethernet WAN)
- Internet
- WPS Indicator and button

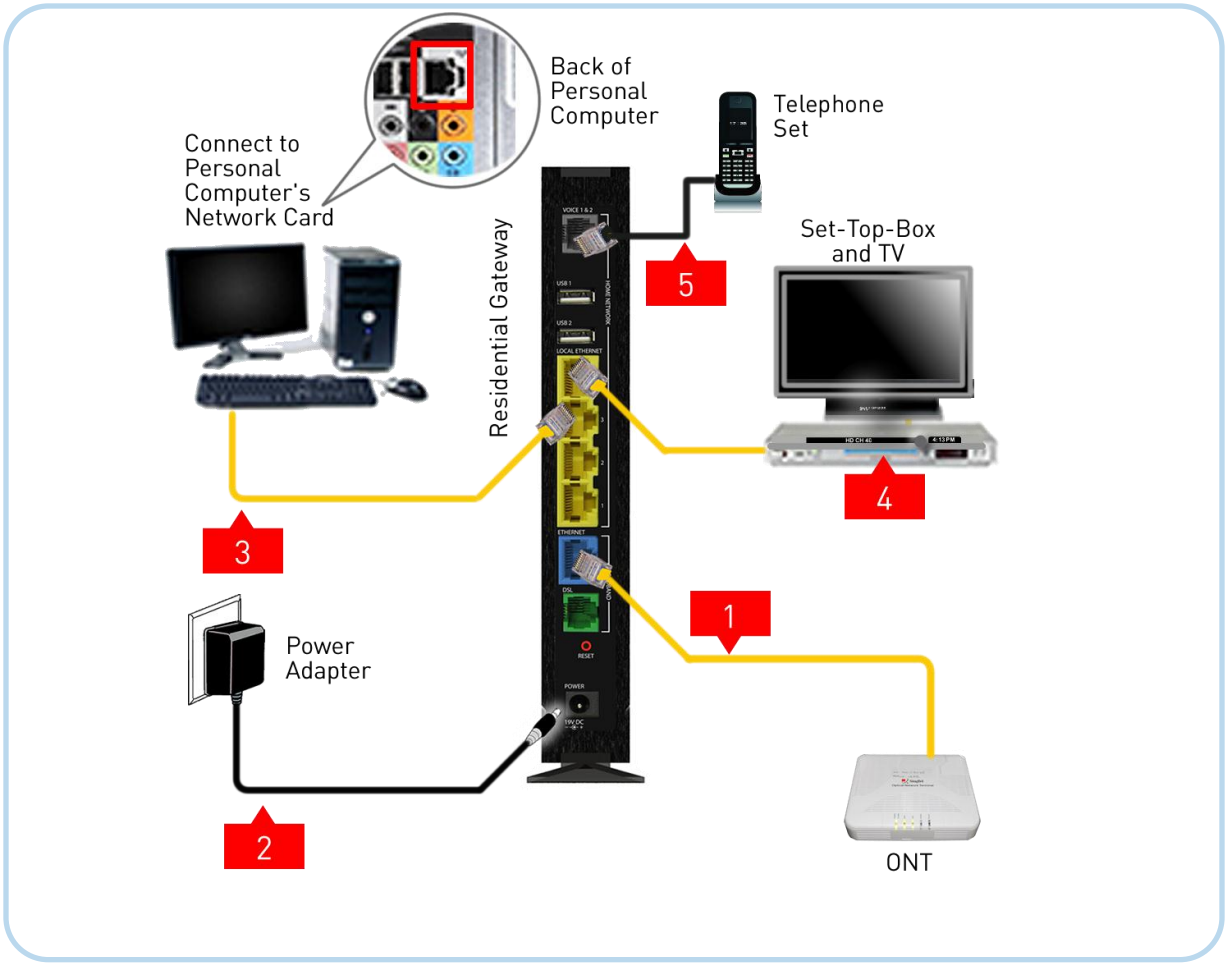
Back Panel Ports and Button

- Voice 1 and 2
- USB 1
- USB 2
- Ethernet LAN Ports 1 to 4
- Ethernet WAN Port
- ADSL Port
- Reset button
- Power Adapter Jack

Recommended Hardware Setup (ADSL)

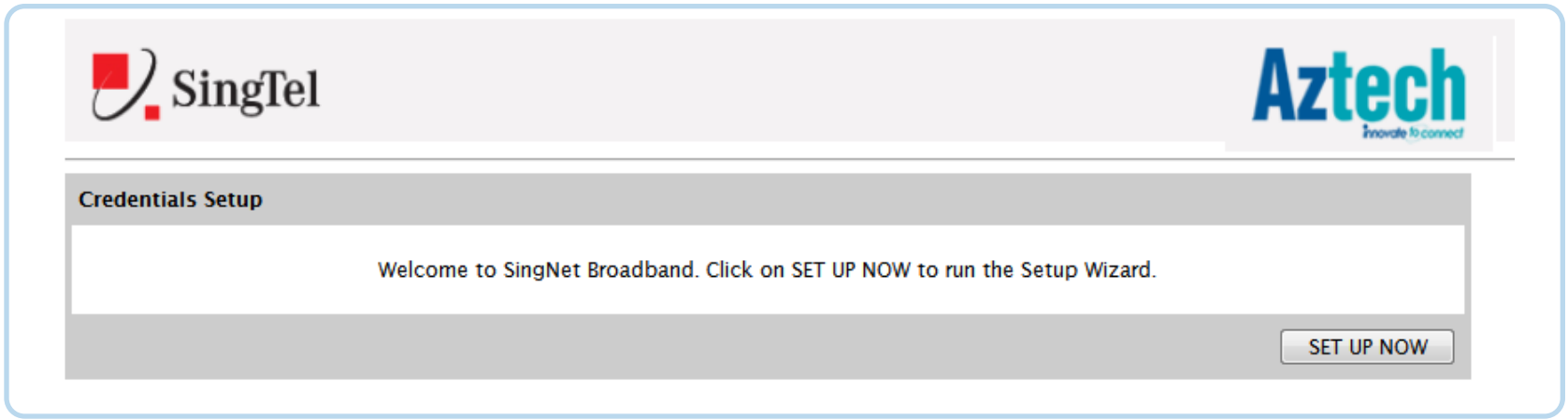


Recommended Hardware Setup (FTTH)



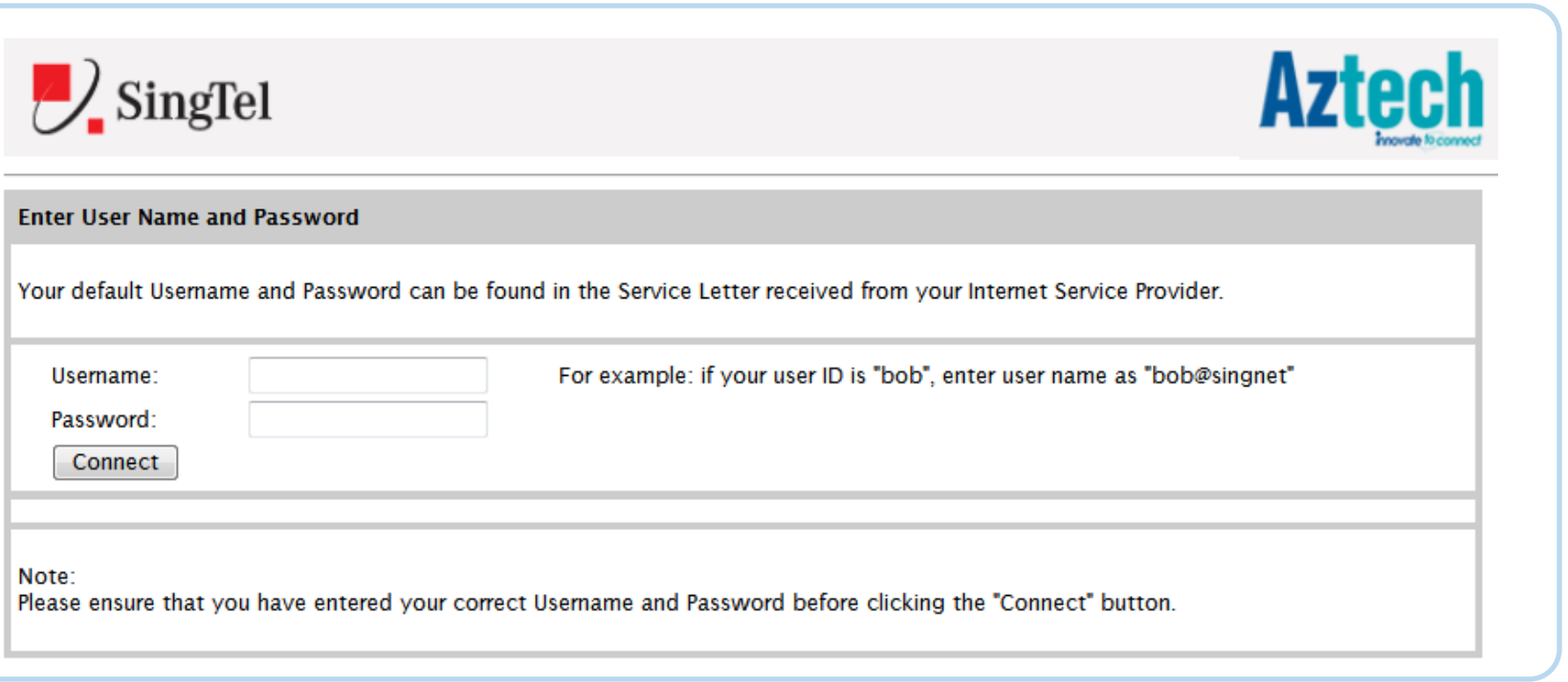
ADSL

1. Open your web-browser (e.g. Internet Explorer). You should see the following the screen. Click on "SETUP NOW".



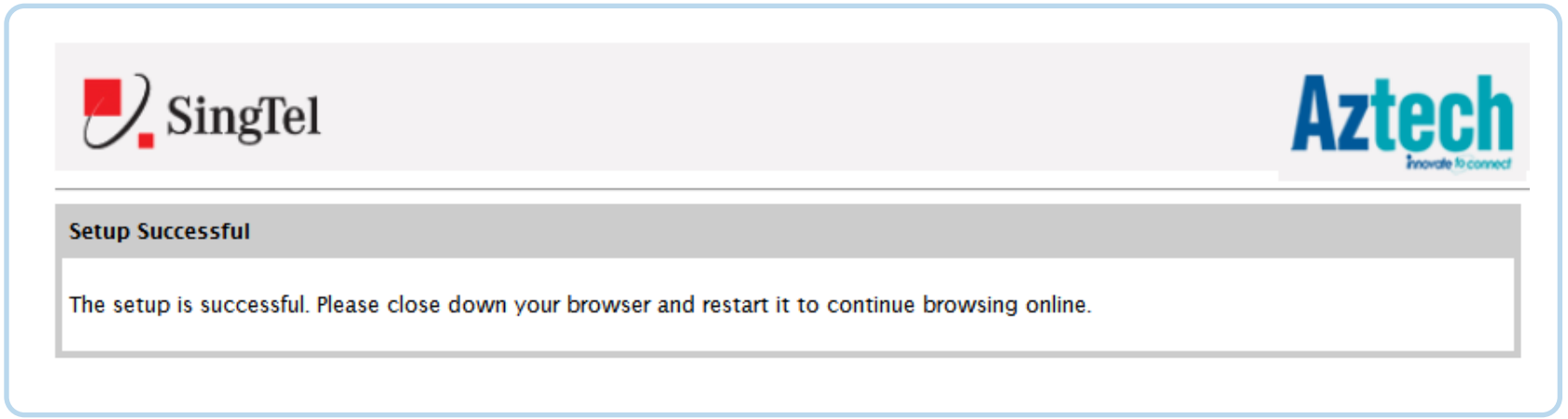
ADSL

2. Input the User ID and Password on the "Username" and "Password" fields and click the "Connect" button.



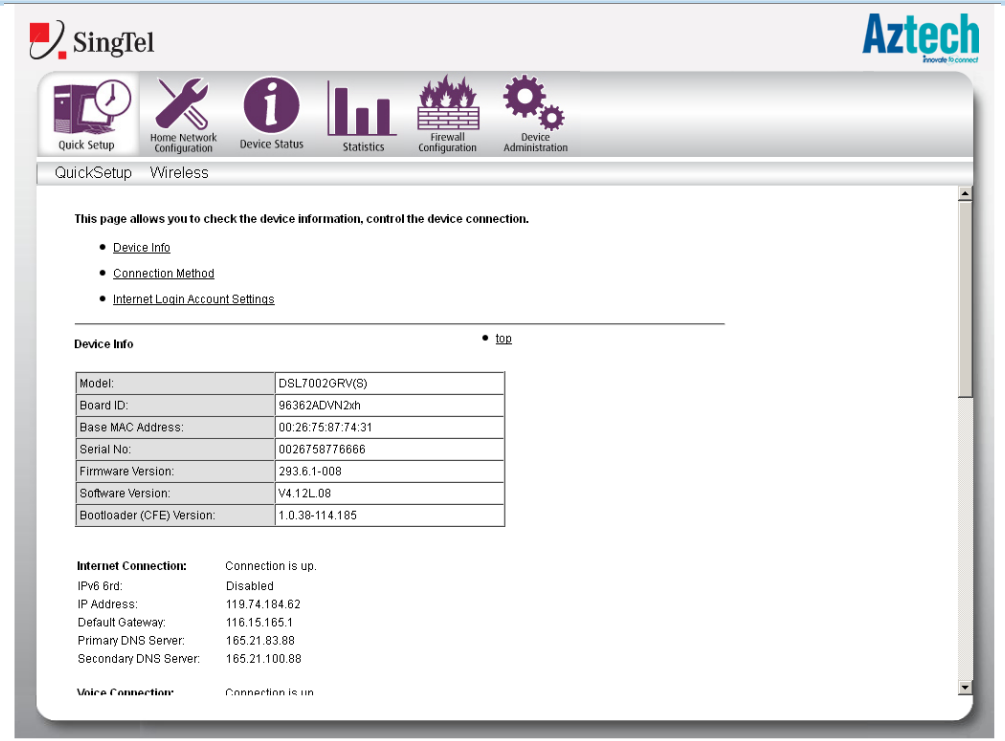
ADSL

3. If you entered the "Username" and "Password" correctly, you will be redirected to the "Setup Successful" page



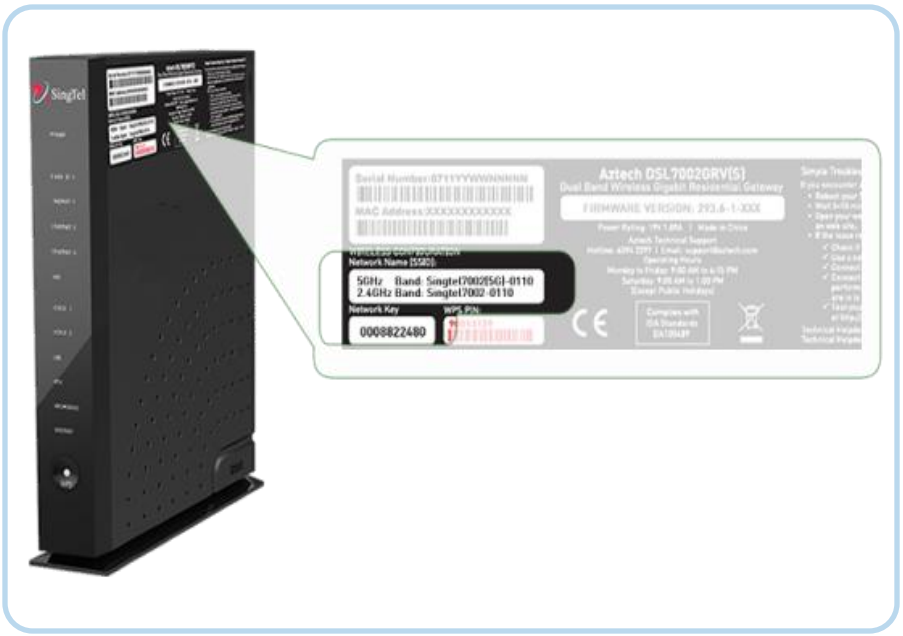
FTTH

To check the Internet connection for FTTH , go to http://192.168.1.254, scroll down to Device Info> Internet Connection



The Default Wireless Configuration

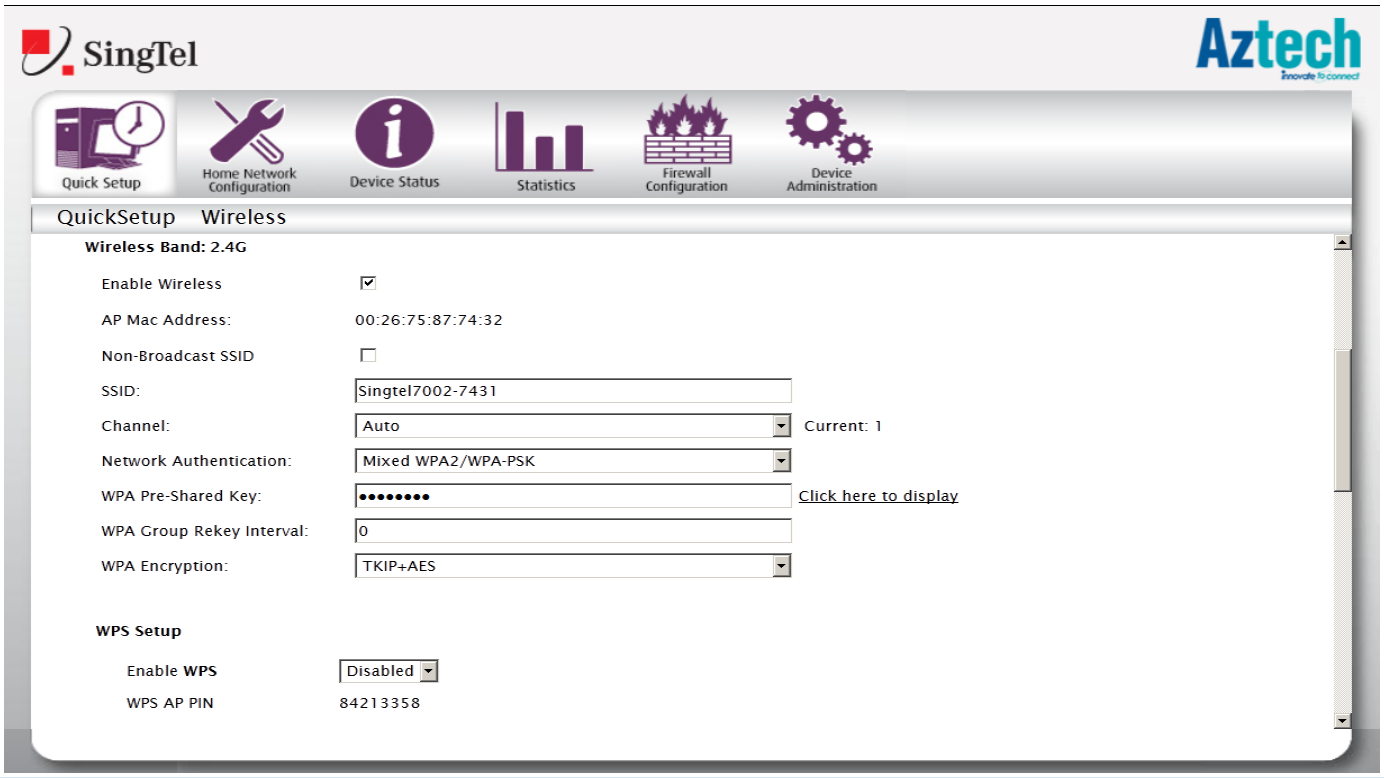
Each unit is preconfigured with a unique wireless network name and a unique password. The information on the default wireless can be found on the casing label sticker.



- The default wireless authentication is Mixed WPA2/WPA-PSK
- The wireless encryption is TKIP + AES
- Wireless channel is set to Auto
- The WPS button is disabled by default. (Enabled on FW ver. 293.6.1-009 onwards)

Changing the Wireless Settings

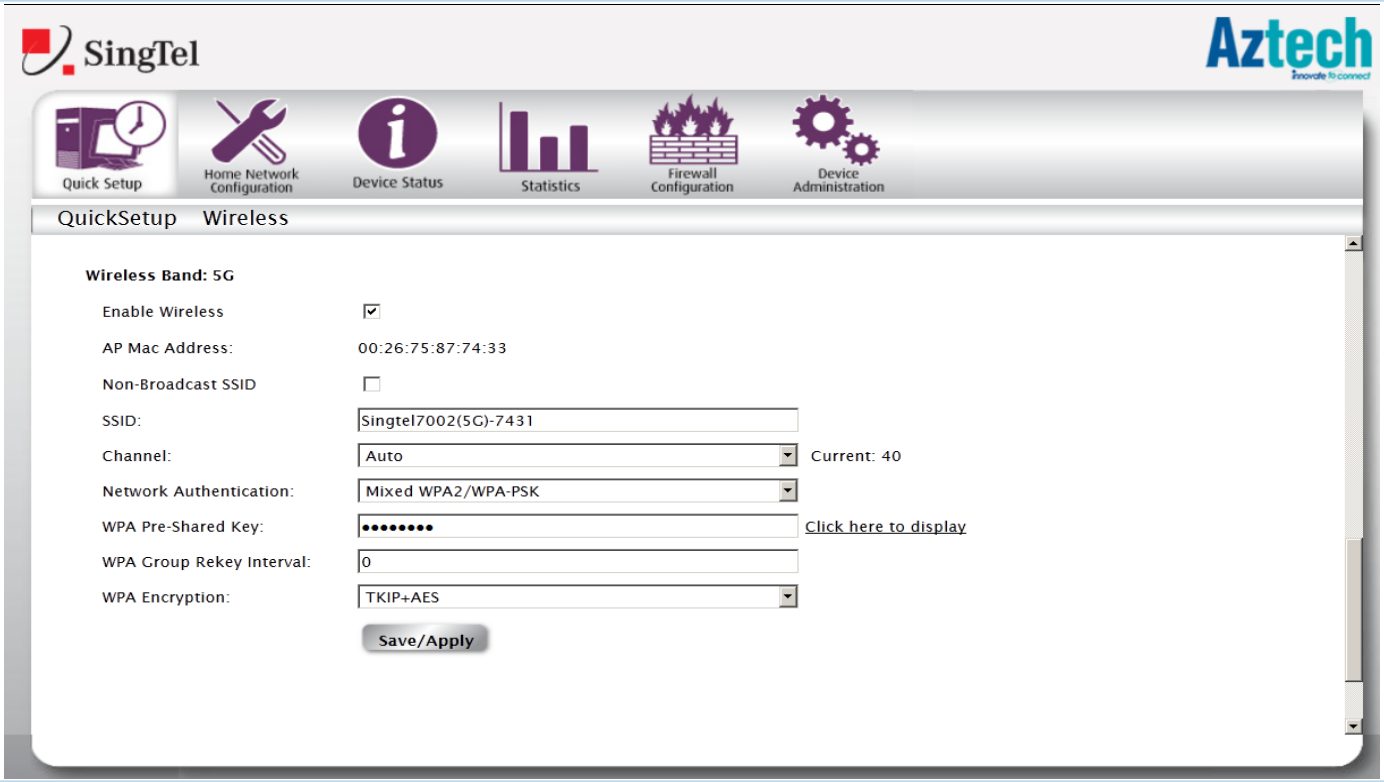
Open your web-browser (e.g. Internet Explorer) and go to http://192.168.1.254, look for Wireless Settings sub-menu under QuickSetup icon.



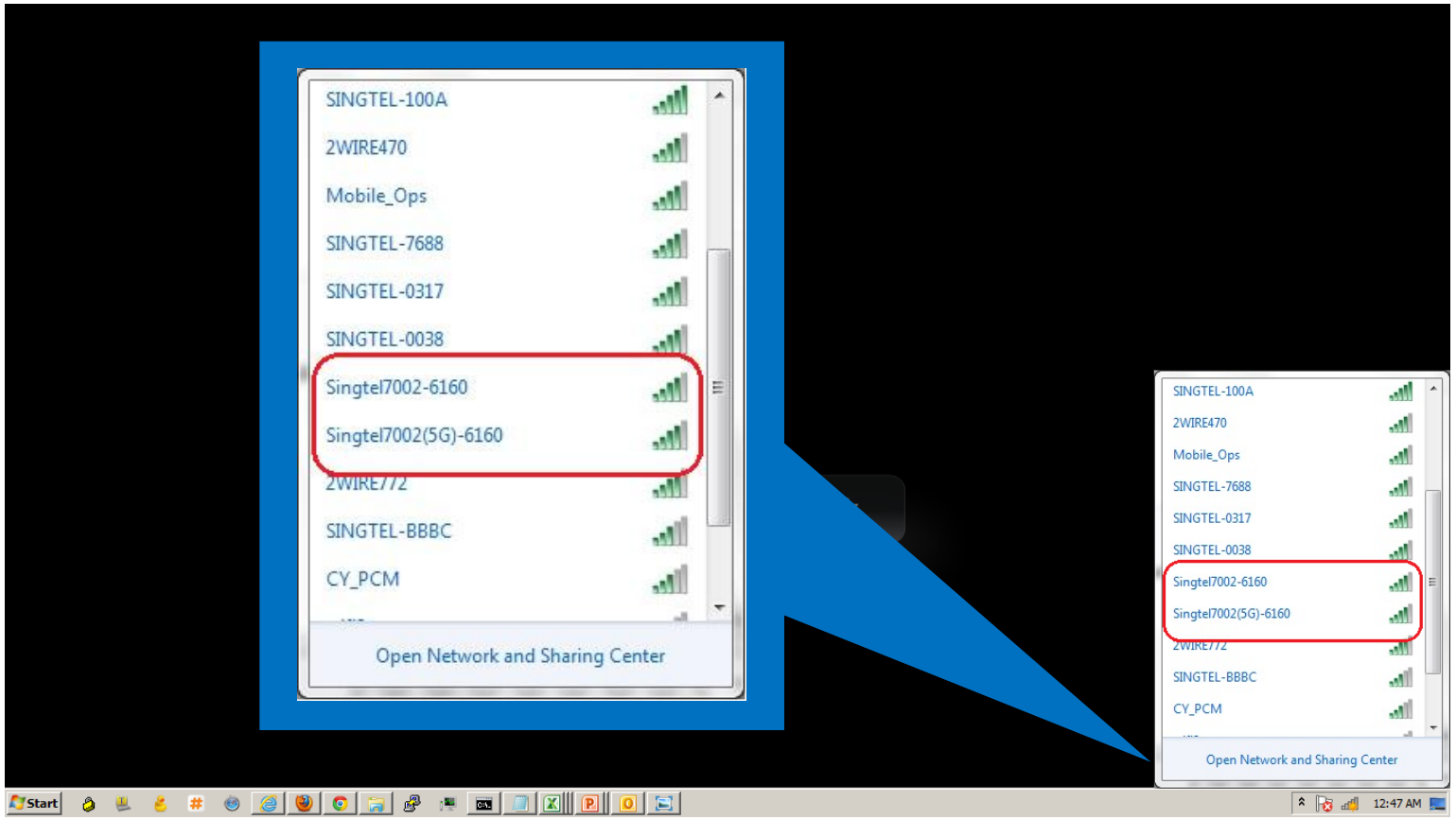
NEW

5GHz

The internet surfing experience is likely to improve on 5GHz with probably lesser wireless interference. Do take note that the 5GHz SSID can only be detected if your end device supports 5GHz wireless interface as well.



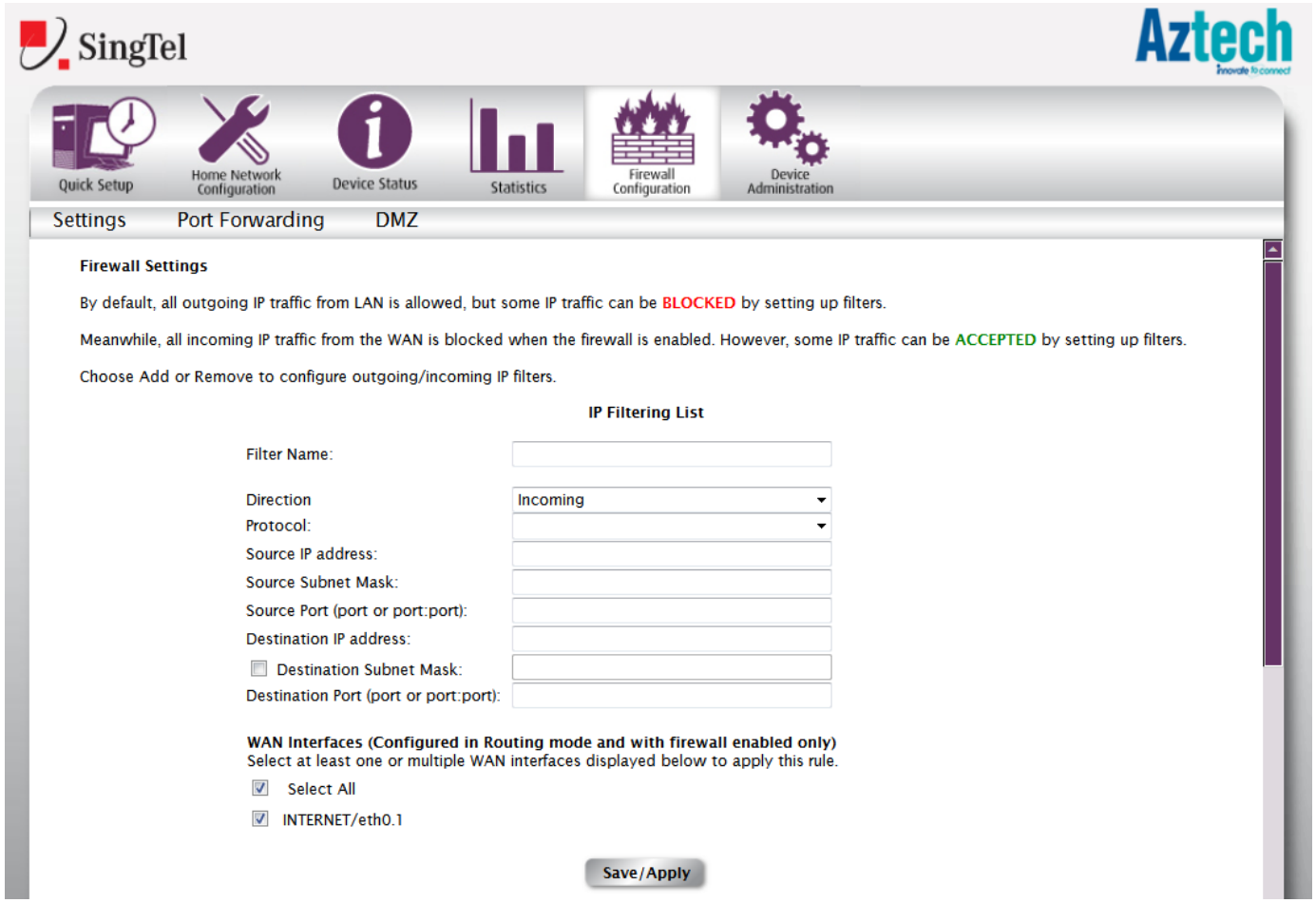
Connecting to 5GHz Band



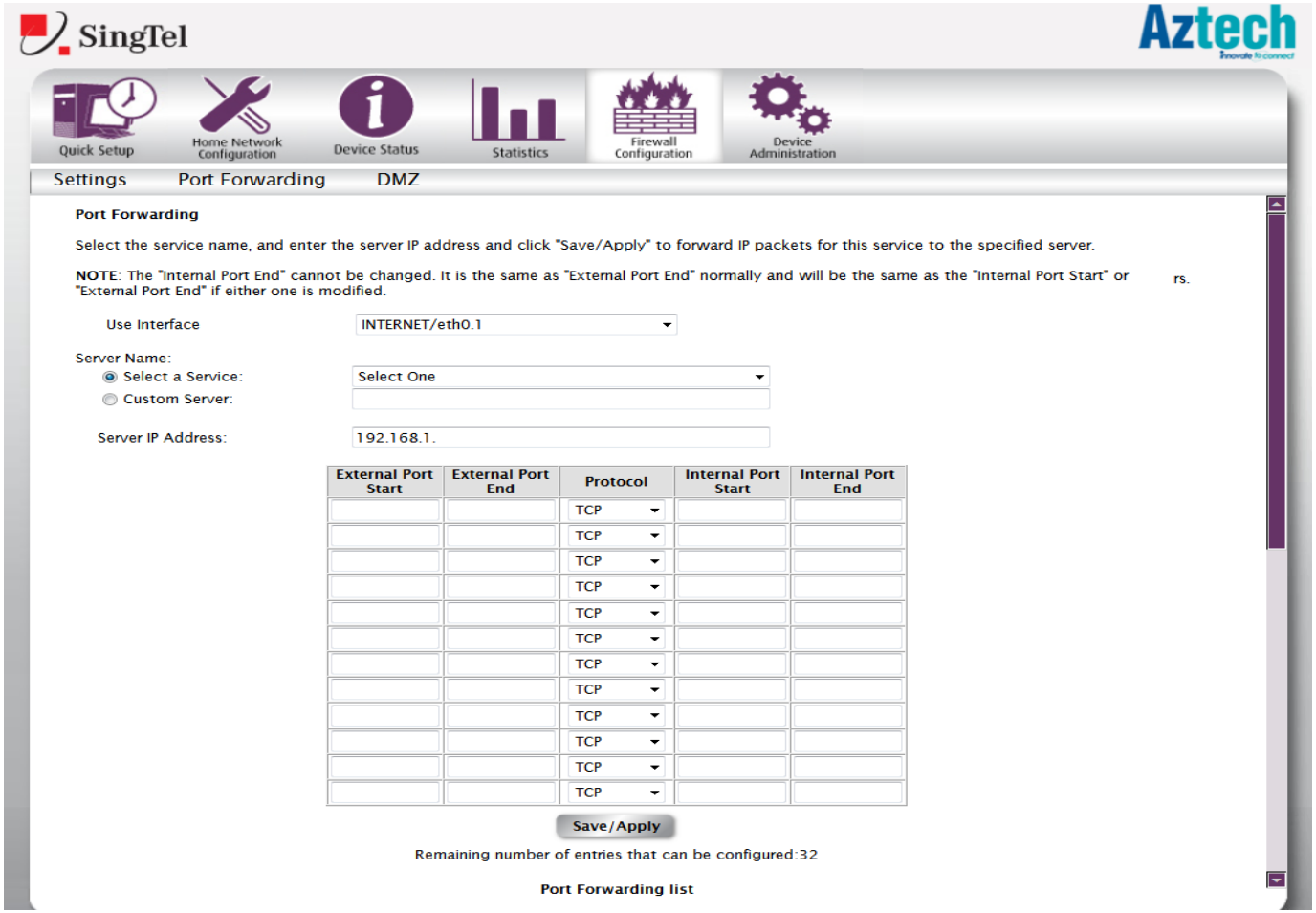
Known wireless devices that supports 5GHz band

- iPhone 5
- iPad 2
- iPad 3
- iPad 4
- iPad mini
- HTC One
- HTC One S
- HTC One X
- Sony Experia Z
- HTC Evo 4G LTE
- Samsung Galaxy S2
- Samsung Galaxy S3
- Samsung Galaxy S4
- Samsung Galaxy Note 10.1
- Samsung Galaxy Tab 2 7.0 (GT-P3113)
- Samsung Galaxy Note 1
- Samsung Galaxy Note 2

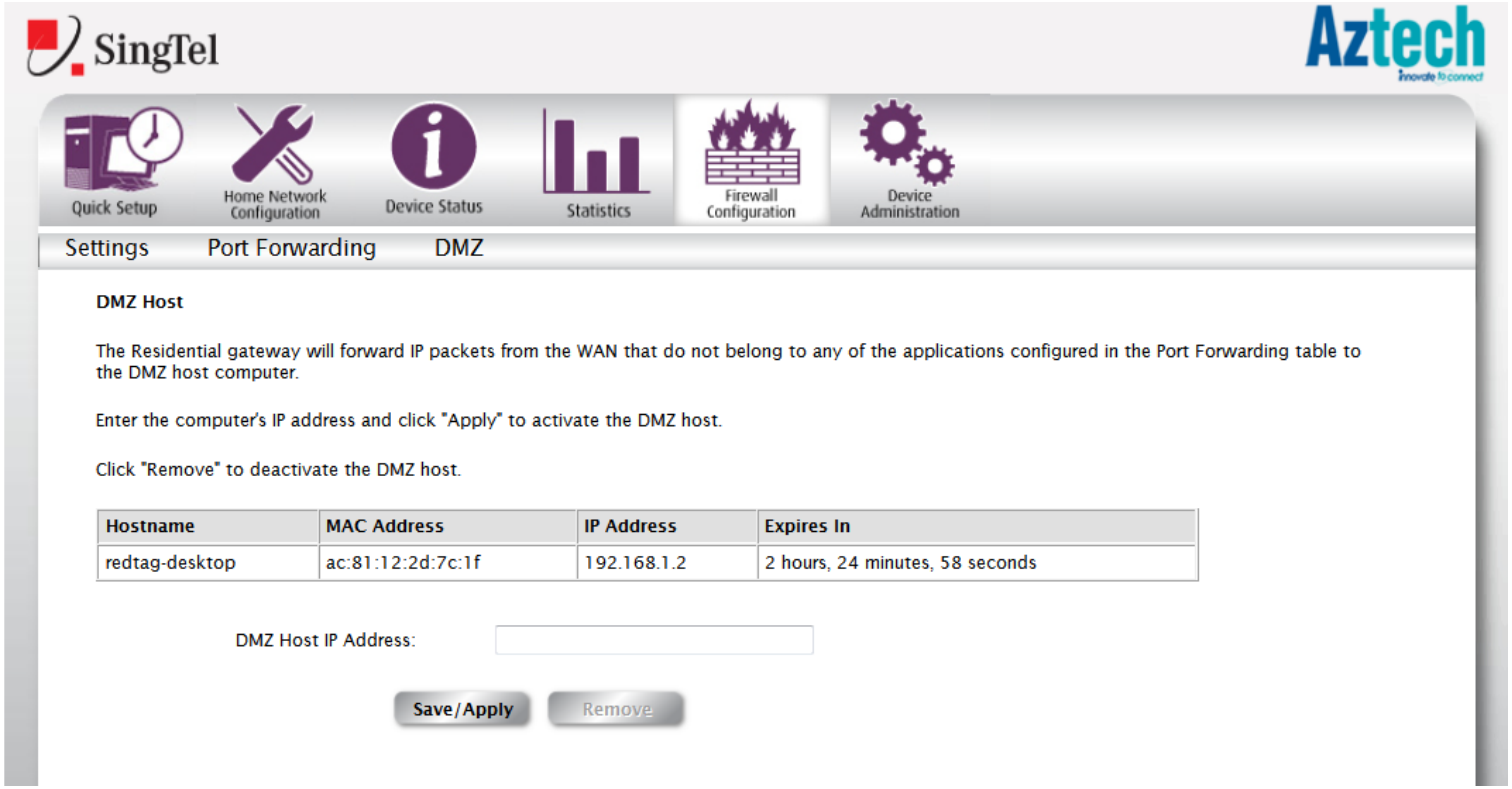
Incoming and Outgoing Firewall Settings



Port Forwarding



DMZ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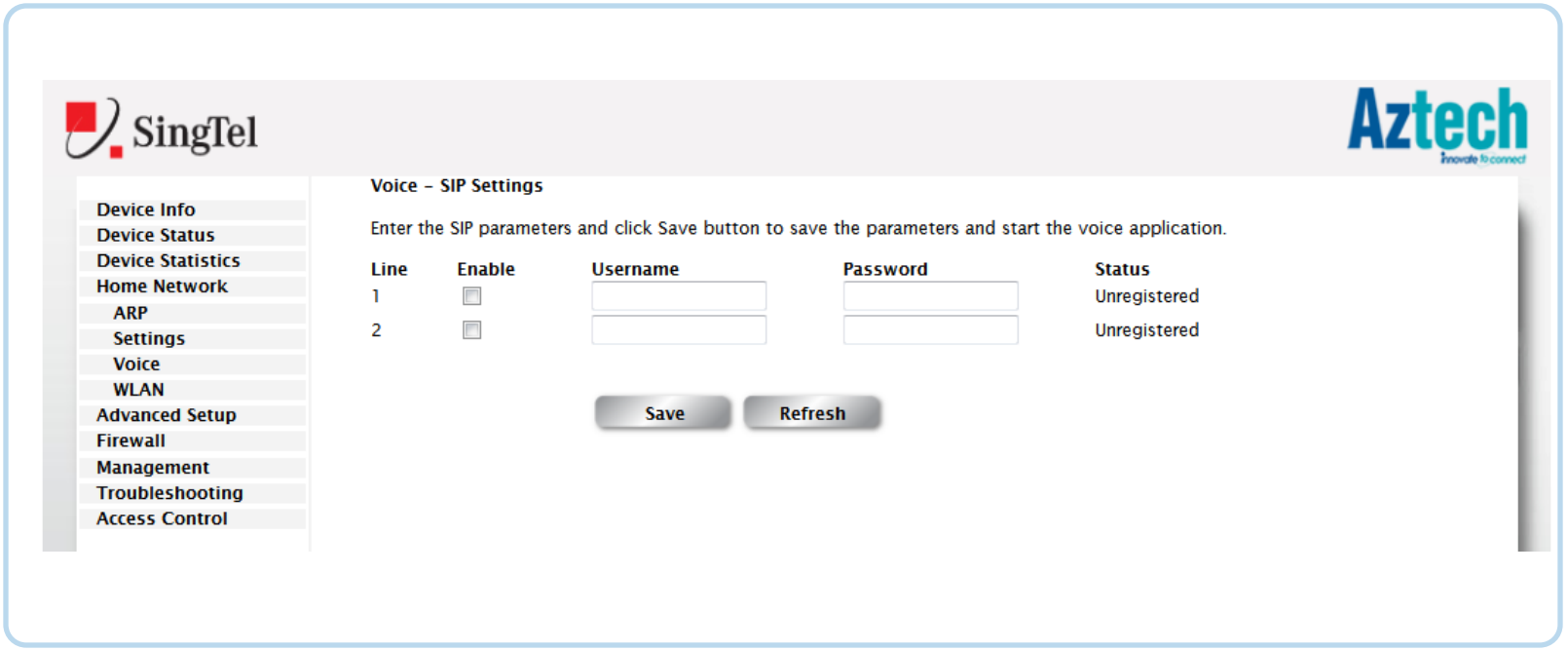
Innovate to connect
Quick Setup
Home Network Configuration
Device Status
Statistics
Firewall Configuration
Device Administration
Settings
Port Forwarding
DMZ
DMZ Host
The Residential gateway will forward IP packets from the WAN that do not belong to any of the applications configured in the Port Forwarding table to the DMZ host computer.
Enter the computer's IP address and click "Apply" to activate the DMZ host.
Click "Remove" to deactivate the DMZ host.
Hostname
MAC Address
IP Address
Expires In
redtag-desktop
ac:81:12:2d:7c:1f
192.168.1.2
2 hours, 24 minutes, 58 seconds
DMZ Host IP Address:
Save/Apply
Remove

Configuring the VOIP Username and Password

The voip username and password can be configured on the admin page. It's under Home Network> Voice.



LED Troubleshooting

Power

- Blinking Red<-> Green – firmware upgrade in progress
- Steady Red – reset button is pressed
- Steady Red – unit is booting up or unit failed to boot
- Green – firmware is loaded to the RAM
- Off – no power or PSU faulty

Ethernet LAN 1-4

- Blinking Green – indicates activity on the port
- Steady Green – ethernet device is connected to he port
- Off – there is no ethernet device plugged in to the port

LED Troubleshooting

Wireless

- Steady Green – wireless device(s) associated to the wireless AP
- Blinking Green – indicates wireless activity
- Off – no wireless device associated with the AP or AP is not activated

Voice 1 and 2

- Steady Green – voice account is registered
- Blinking Green – indicates an on going call or the phone is off hook
- Off – voice account is not set or account registration failed

LED Troubleshooting

USB

- Steady Green – USB device is connected to the port
- Off – no device is connected

Broadband on ADSL

- Steady Green – DSL is synchronized
- Blinking Green – DSL training
- Off – No ADSL line detected

Broadband on FTTH

- Steady Green – WAN ethernet port is connected to the ONT or an ethernet device
- Off – No connection on the WAN ethernet

LED Troubleshooting

IPTV

- Steady Green – IPTV service is working, STB is plugged in and streaming
- Steady Red – STB is not plugged in or STB in on DRA mode (if STB is plugged in) or STB is rebooting (if STB is plugged in) or IPTV service failed (if STB is plugged in) or no multicast streams coming (if STB is plugged in)
- Off – no service or service is down

Internet on ADSL

- Steady Green – PPP connection is up and the interface is with an IP address
- Blinking Green – indicates internet activity
- Steady Red – PPP authentication failed
- Off - PPP is not set

LED Troubleshooting

Internet on FTTH

- Steady Green –connection is up and the interface is with an IP address
- Off - no internet connection

WPS

- Steady Green –WPS is activated
- Blinking Green – WPS is ready to connect
- Off - WPS not activated

Wireless Troubleshooting

1. Always start with the wireless credentials, SSID and wireless, if the wireless clients cannot connect to the AP
2. Think of the possibility of wireless channel congestion
   - ¤ Change to other wireless channels, rarely used channels, 7, 8, 9, 2, 3
   - ¤ If the wireless channel is so congested, the wireless client may get an IP address but might not be able to, from time to time, surf the internet or use the wireless network resource
3. Place the RG on a flat surface away from:
   - ¤ Blockage such as artificial barriers
   - ¤ Electronic devices such at bluetooth devices, microwave ovens and cordless telephones
   - ¤ Water containing equipment filled with water

Frequently Asked Questions

CAN I USE BOTH 2.4GHz AND 5GHz BAND AT THE SAME TIME?

Yes, both bands are enable by default

WHAT IS THE MAXIMUM NUMBER OF CLIENT IT CAN SUPPORT FOR WIRELESS?

30 for 2.4ghz band and 30 for 5ghz band.

WHAT ARE THE STORAGE FORMATS DOES IT SUPPORT FOR USB?

FAT, FAT32 and NTFS.

CAN I CONFIGURE MAC FILTERING 0N DSL7002GRV(S)?

No, MAC filtering feature is not supported

Frequently Asked Questions

HOW CAN I TELL IF MY WIRELESS ADAPTER SUPPORTS 5GHZ BAND?

List of wireless standards and its compatibility.

Wireless Standards Wireless Client	**2.4 GHz** (20MHz/40MHz)	**5 GHz** (20MHz/40MHz)	**5 GHz** (80MHz)
802.11ac	✔	✔	✔
802.11abgn	✔	✔	
802.11a		✔	
802.11b	✔		
802.11g	✔		
802.11n	✔		

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(Except Public Holidays)

Thank You

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