AZTECH DSL7000GRV(S)

SingTel - Wireless N Gigabit Ethernet Residential Gateway

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Aztech DSL7000GRV(S) Residential Gateway

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 b/g/N Access Point up to 300 Mbps

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

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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

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Front Panel Indicators and Button

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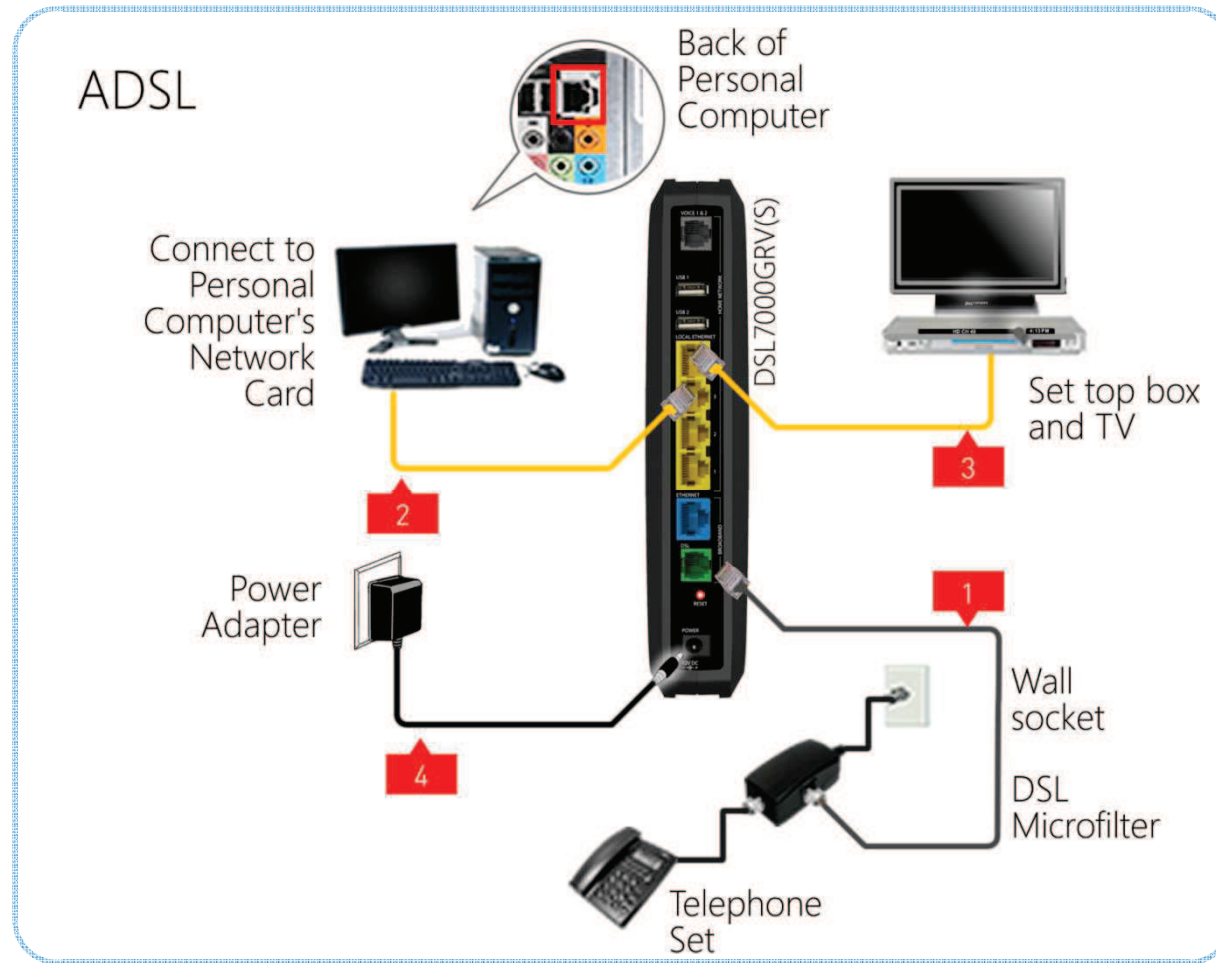- ¤   WPS Indicator and button

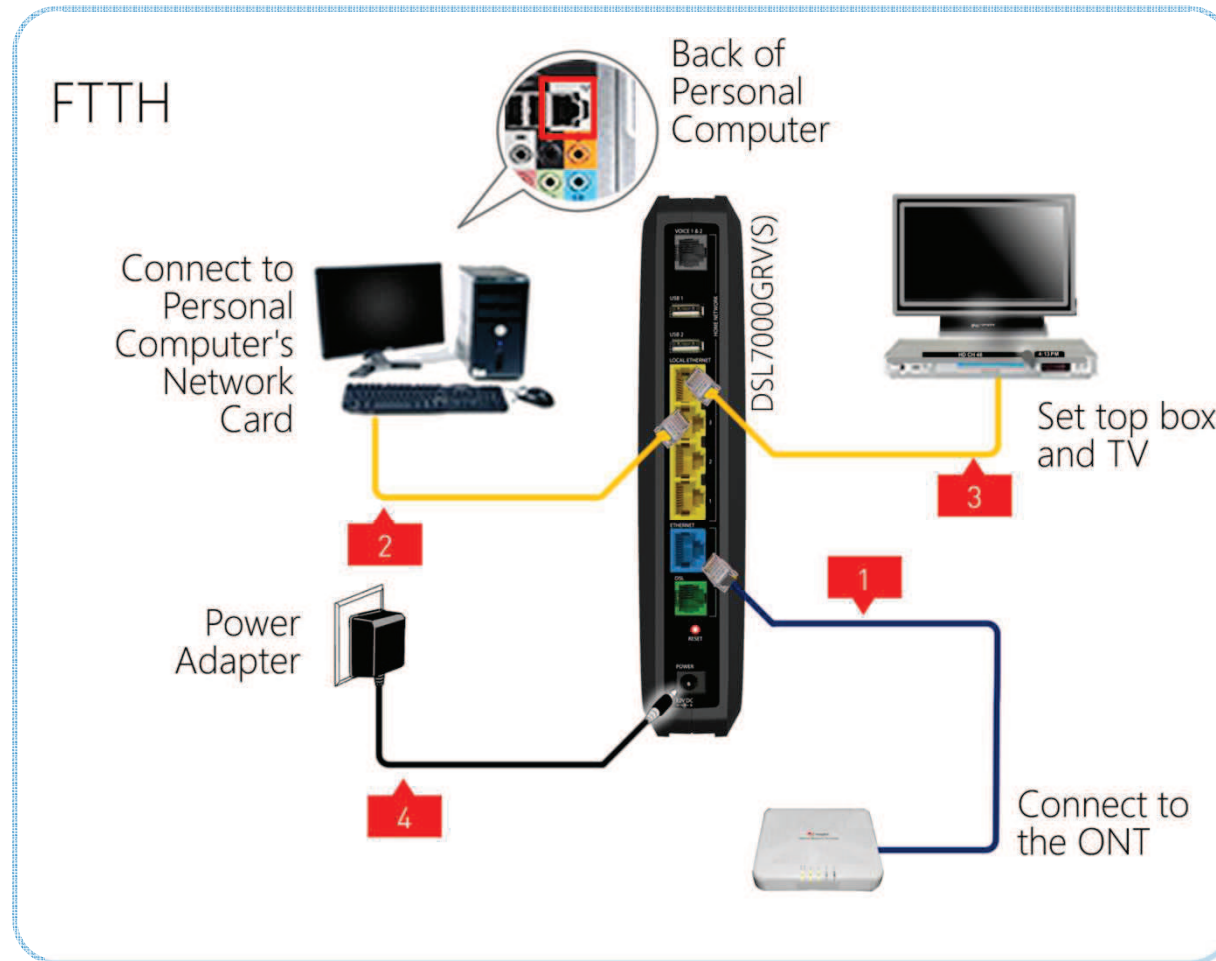**Aztech**

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

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Recommended Hardware Setup (ADSL)

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Recommended Hardware Setup (FTTH)
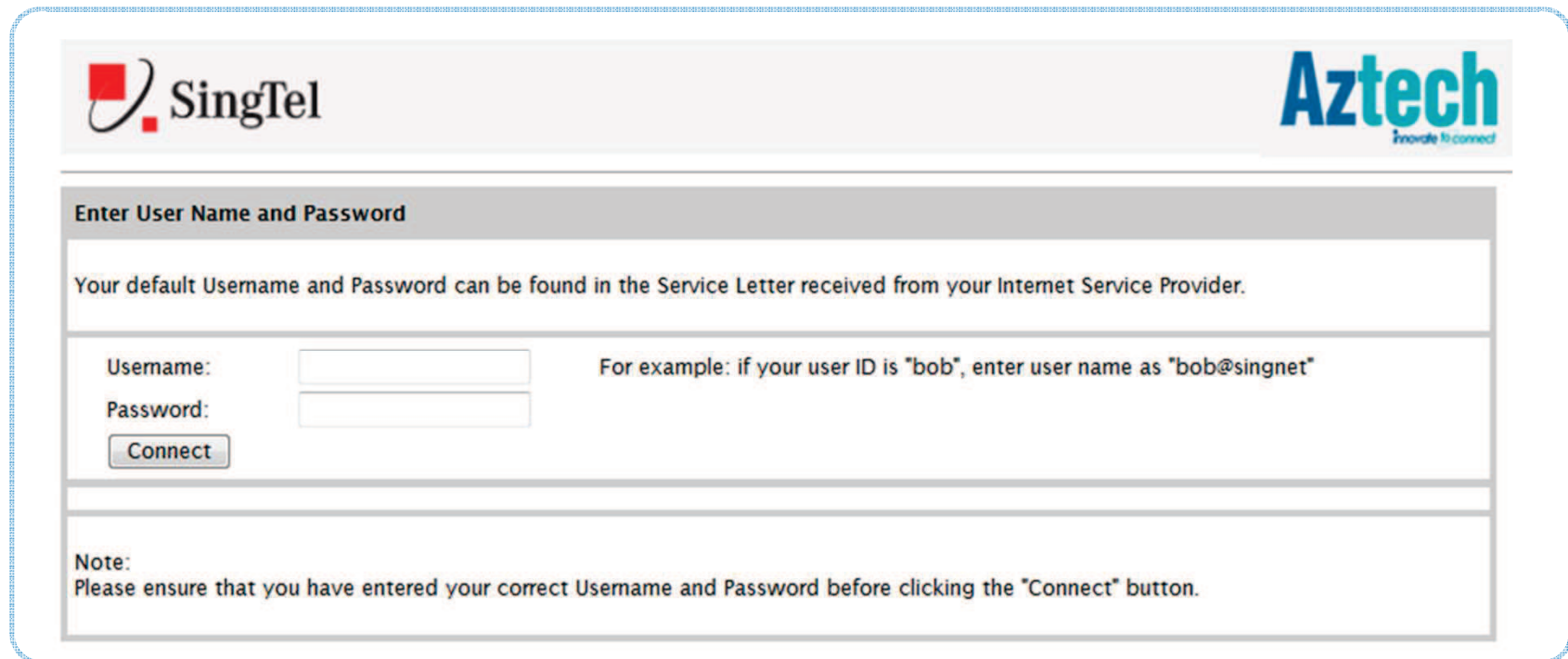
ADSL

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

ADSL

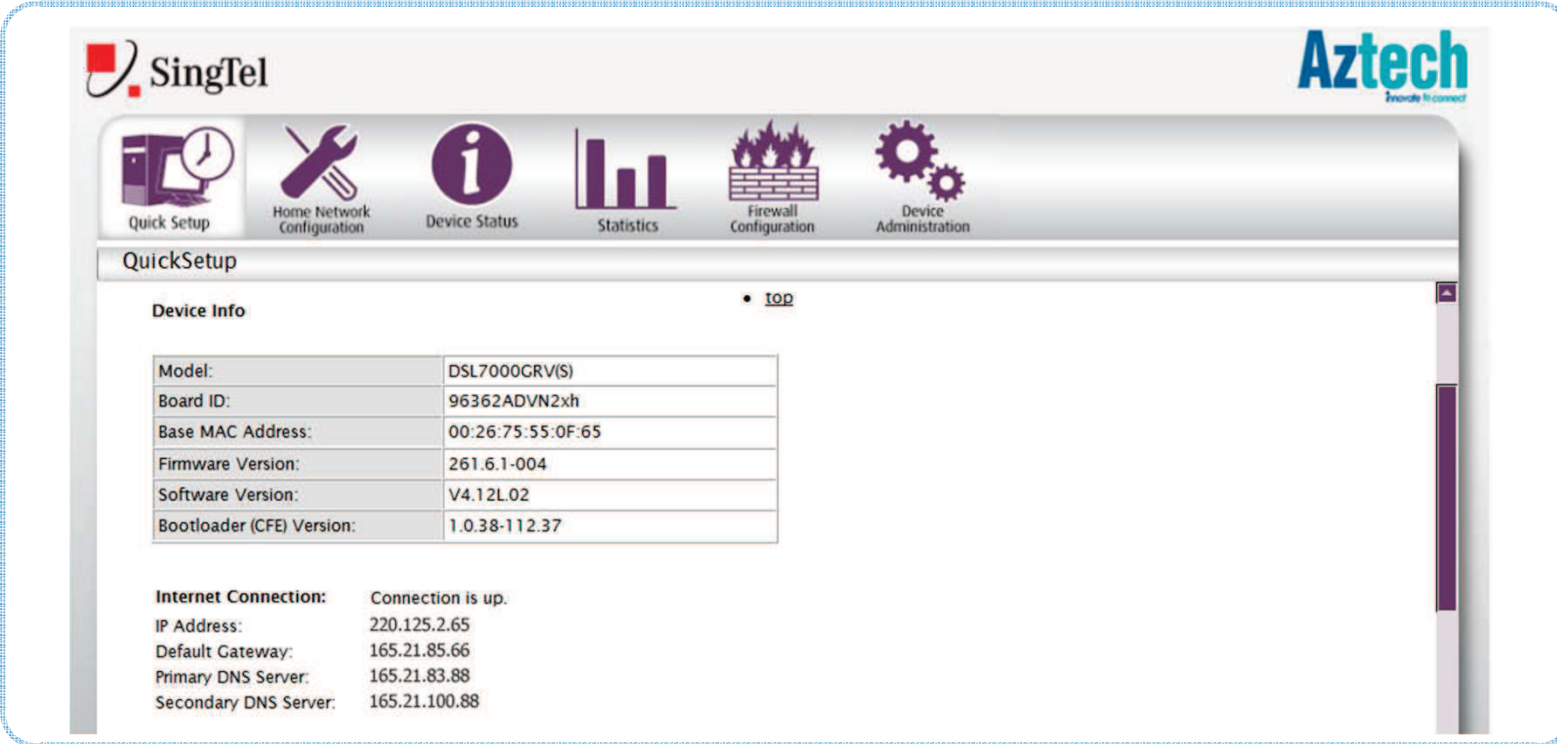2. Input the User ID and Password on the "Username" and "Password" fields and click the "Connect" button.

ADSL

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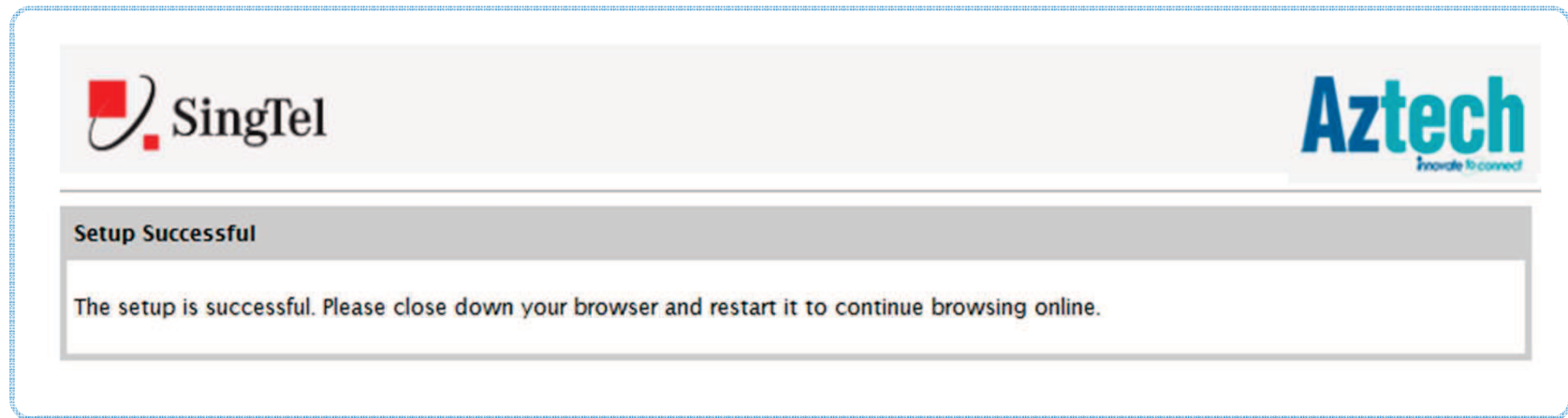
FTTH

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.
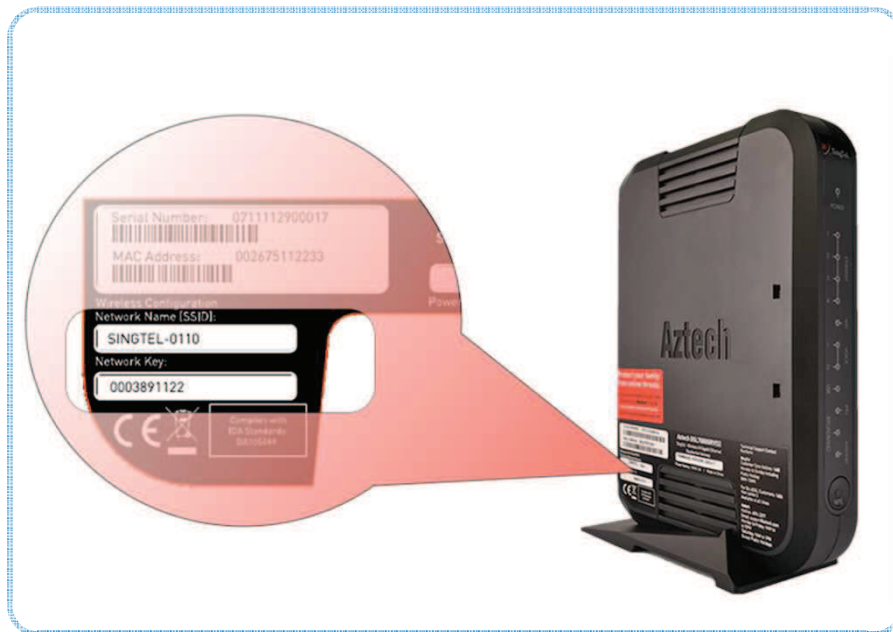
¤ The default wireless authentication is **Mixed WPA2/WPA-PSK**

¤ The wireless encryption is TKIP + AES

¤ Wireless channel is set to Auto

¤ The WPS button is disabled by default

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Changing the Wireless Settings

Open your web-browser (e.g. Internet Explorer) and go to http://192.168.1.254, scroll down and look for Wireless Settings

Incoming and Outgoing Firewall Settings

Port Forwarding

DMZ

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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

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Configuring the VOIP Username and Password

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

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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

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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

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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

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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

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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

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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

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Q & A

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