# **User Guide**

# Wi-Fi Connect SP-AC2015

## **Dual Band 3x3 802.11AC Gigabit Router**



The ultra-thin and stylish Wi-Fi Connect SP-AC2015 features a 2.4GHz and 5GHz dual bands for an unmatched concurrent wireless HD streaming; SMB server, UPnP AV server, and FTP server for 24/7 file sharing; a capability to handle 300,000 sessions; and the ASUS Green Network Technology, which provides up to 70% power-saving solution.



E10382 First Edition April 2015

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# 1 A Quick Look

# **Package Contents**

	SP-AC2015 Wi-Fi Connect	V	Technical Guide
	AC adapter	Ø	Network cable
$\overline{\mathbf{A}}$	Quick Start Guide	$\overline{\mathbf{A}}$	Stand



#### **NOTES:**

- If any of the items is damaged or missing, contact ASUS for technical inquiries and support, Refer to the ASUS Support Hotline list at the back of this user manual.
- Keep the original packaging material in case you would need future warranty services such as repair or replacement.

## **Your Wi-Fi Connect**





Off: No power.

On: Device is ready.

Flashing slow: Rescue mode Flashing quick: WPS is processing.

#### 2 LAN LED

**Off:** No power or no physical connection.

**On:** Has physical connection to a local area network (LAN).

## 3 WAN LED

Off: No power or no physical connection.

**On:** Has physical connection to a wide area network (WAN).

## 4 2.4GHz LED / 5GHz LED

Off: No 2.4GHz or 5GHz signal.

**On:** Wireless system is ready.

**Flashing:** Transmitting or receiving data via wireless connection.

## USB LED

**Off:** No power or no physical connection.

On: Has physical connection to USB devices.

## 6 Power (DC-IN) port

Insert the bundled AC adapter into this port and connect your router to a power source.

## Power button

Press this button to power on or off the stystem.

## 8 USB 2.0 ports

Insert USB 2.0 devices such as USB hard disks or USB flash drives into these ports.

Insert your iPad's USB cable into one of these ports to charge your iPad.

## Reset button

This button resets or restores the system to its factory default settings.

**10** WAN (Internet) port

Connect a network cable into this port to establish WAN connection.

11 LAN 1 ~ 4 ports

Connect network cables into these ports to establish LAN connection.

**WPS** button

This button launches the WPS Wizard.



#### **NOTES:**

- Use only the adapter that came with your package. Using other adapters may damage the device.
- · Specifications:

DC Power adapter	<b>DC Output:</b> +19V with max 1.58A current;		
Operating Temperature	0~40°C	Storage	0~70°C
Operating Humidity	50~90%	Storage	20~90%

# 2 Creating Your Network

# **Positioning Your Router**

For the best wireless signal transmission between the Wi-Fi Connect and the network devices connected to it, ensure that you:

- Place the Wi-Fi Connect in a centralized area for a maximum wireless coverage for the network devices.
- Keep the device away from metal obstructions and away from direct sunlight.
- Keep the device away from 802.11g or 20MHz only Wi-Fi devices, 2.4GHz computer peripherals, Bluetooth devices, cordless phones, transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal interference or loss.
- Always update to the latest firmware. Visit the ASUS website at <a href="http://www.asus.com">http://www.asus.com</a> to get the latest firmware updates.
- To ensure the best wireless signal, orient the three detachable antennas as shown in the drawing below.



## **What You Need**

To set up your network, you need one or two computers that meet the following system requirements:

- Ethernet RJ-45 (LAN) port (10Base-T/100Base-TX/1000BaseTX)
- IEEE 802.11a/b/g/n/ac wireless capability
- An installed TCP/IP service
- Web browser such as Internet Explorer, Firefox, Safari, or Google Chrome



#### NOTES:

- If your computer does not have built-in wireless capabilities, you may install an IEEE 802.11a/b/g/n/ac WLAN adapter to your computer to connect to the network.
- With its dual band technology, your Wi-Fi Connect supports 2.4GHz and 5GHz wireless signals simultaneously. This allows you to do Internet-related activities such as Internet surfing or reading/writing e-mail messages using the 2.4GHz band while simultaneously streaming high-definition audio/video files such as movies or music using the 5GHz band.
- If you are using only one computer with single band IEEE 802.11b/g/n WLAN adapter, you will only be able to use the 2.4GHz band.
- If you are using only one computer with dual band IEEE 802.11a/b/g/n/ac WLAN adapter, you will be able to use the 2.4GHz or 5GHz band.
- If you are using two computers with both IEEE 802.11a/b/g/n/ac WLAN adapters, you will be able to use both 2.4GHz and 5GHz bands simultaneously.
- The Ethernet RJ-45 cables that will be used to connect the network devices should not exceed 100 meters.

# **Setting Up Your Wi-Fi Connect**



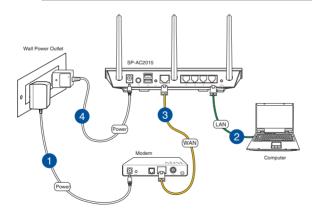
#### IMPORTANT!

- Use wired connection in setting up your Wi-Fi Connect to avoid possible setup problems due to wireless uncertainty.
- Before setting up your ASUS Wi-Fi Connect, do the following:
  - If you are replacing an existing router, disconnect it from your network.
  - Disconnect the cables/wires from your existing modem setup. If your modem has a backup battery, remove it as well.
  - Reboot your computer (recommended).

## **Wired Connection**



**NOTE:** Your Wi-Fi Connect has an integrated auto-crossover function, so use either straight-through or crossover cable for wired connection.



## To set up your Wi-Fi Connect via wired connection:

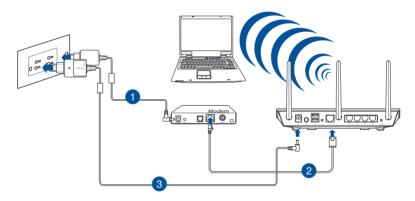
1. Insert your modem's AC adapter to the DC-IN port and plug it to a power outlet.

- 2. Using the bundled network cable, connect your computer to your Wi-Fi Connect's yellow LAN port.
- 3 Using another network cable, connect your modem to your Wi-Fi Connect's blue WAN port.
- 4. Insert your Wi-Fi Connect's AC adapter to the DC-IN port and plug it to a power outlet.



**IMPORTANT!** Ensure your Wi-Fi Connect's power button turned on and the network cables are properly connected. Wait for about one (1) minute until the indicator lights to solid blue.

### **Wireless Connection**



## To set up your Wi-Fi Connect via wired connection:

- 1. Insert your modem's AC adapter to the DC-IN port and plug it to a power outlet.
- 2. Using another network cable, connect your modem to your Wi-Fi Connect's blue WAN port.
- 3. Insert your Wi-Fi Connect's AC adapter to the DC-IN port and plug it to a power outlet.
- 4. Turn on the Wi-Fi function of your computer.



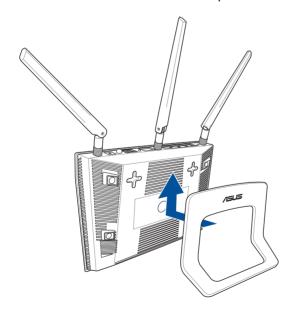
#### **NOTES:**

- For details on connecting to a wireless network, refer to the WLAN adapter's user manual.
- To set up the security settings for your network, refer to the section Setting up the wireless security settings in this user manual.

# **Mounting To The Stand**

#### To mount to the stand:

- 1. Align and insert the stand's mounting hooks to the Wi-Fi Connect's mounting holes.
- 2. Slide the mount until it locks in place.



# **Before You proceed**

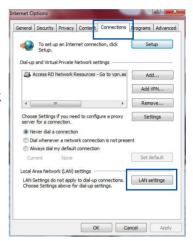


**NOTE:** Before configuring your Wi-Fi Connect, do the steps described in this section for your host computer and network clients.

## A. Disable the proxy server, if enabled.

#### Windows® 7

- Click Start > Internet Explorer to launch the browser.
- From Internet Explorer 8, click Tools > Internet options > Connections tab > LAN settings.



- From the Local Area Network (LAN) Settings screen, uncheck Use a proxy server for your LAN.
- 4. Click **OK** when done.



#### **MAC OS 10.10.3**

- From your Safari browser, click Safari > Preferences > Advanced > Change Settings...
- 2. From the Network screen, deselect FTP Proxy and Web Proxy (HTTP).
- Cllick Apply Now when done.



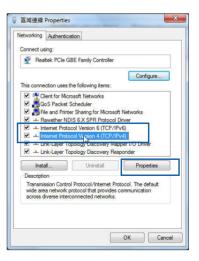


**NOTE:** Refer to your browser's help feature for details on disabling the proxy server.

# B. Set the TCP/IP settings to automatically obtain an IP address.

#### Windows® 7

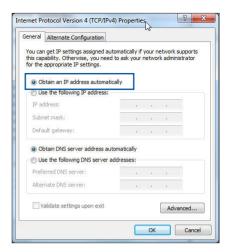
- Click Start > Control Panel
   Network and Internet
   Network and Sharing
   Center > Manage network
   connections.
- Select Internet Protocol Version 4 (TCP/IPv4) or Internet Protocol Version 6 (TCP/IPv6), then click Properties.



To obtain the IPv4 IP settings automatically, tick **Obtain an IP address automatically**.
 To obtain the IPv6 IP

settings automatically, tick **Obtain an IPv6** address automatically.

4. Click **OK** when done.



#### **MAC OS 10.10.3**

- 1. Click the Apple icon **s** located on the top left of your screen.
- Click System
   Preferences
   > Network >
   Configure...
- From the TCP/IP tab, select Using DHCP in the Configure IPv4 dropdown list.



4. Cllick **Apply Now** when done.



**NOTE:** Refer to your operating system's help and support feature for details on configuring your computer's TCP/IP settings.

## C. Disable the dial-up connection, if enabled.

#### Windows® 7

- Click Start > Internet Explorer 8 to launch the browser.
- Click Tools > Internet options > Connections tab.
- 3. Tick **Never dial a connection**.
- 4. Click **OK** when done.





**NOTE:** Refer to your browser's help feature for details on disabling the dial-up connection.

# 3 Configuring Via The Web User Interface

# **Logging Into The Web User Interface**

Your ASUS Wi-Fi Connect comes with an intuitive Web User Interface that allows you to easily configure its various features through a web browser such as Internet Explorer, Firefox, Safari, or Google Chrome.

## To log into the Web User Interface:

- Launch a web browser such as Internet Explorer, Firefox, Safari, or Google Chrome, and enter: http://192.168.27.1 or http://sprint.router
- 2. On the login page, key in the default user name (**admin**) and password (**admin**).





#### **NOTES:**

- For your network clients, ensure that you set the TCP/IP settings to obtain IP addresses automatically, disable the proxy server settings, disable the dial-up settings, and cancel the dial-up connection.
- For more details, refer to the section Before you proceed in this user manual.

3. The Wi-Fi Connect's Web User Interface launches. Use the navigation menu on the left to view and configure various settings.



# **Setting Up The Internet Connection**



**NOTE:** When setting the Internet connection for the first time, press the Reset button on your Wi-Fi Connect to reset it to its factory default settings.

## **Quick Internet Setup (QIS)**

The Quick Internet Setup (QIS) function guides you in quickly setting up your Internet connection.

After you have set up your wireless environment, QIS launches automatically.

1. Click **GO** to start the setup wizard.



 The Wi-Fi Connect automatically detects if your ISP connection type is **Dynamic IP**, **PPPoE**, **PPTP**, **L2TP**, and **Static IP**.



#### **NOTES:**

- The auto-detection of your ISP connection type takes place when you configure the Wi-Fi Connect for the first time or when your Wi-Fi Connect is reset to its default settings.
- If QIS failed to detect your Internet connection type, click Skip to manual setting and manually configure your connection settings.
- If QIS failed to launch automatically, manually launch your Wi-Fi Connect's Web User Interface to access the QIS page. To do this, follow these steps:
  - On your web browser, enter <a href="http://192.168.27.1">http://sprint.router</a>
  - 2. On the login page, key in the default username **admin** and password **admin**.
  - 3. Click the **Quick Internet Setup** icon from the upper left corner of the Network Map page.
- Your Internet and wireless settings are displayed. Click Next to complete the setup.



# **Configuring Your Wireless Security Settings**

To protect your wireless network from unauthorized access, you need to configure its security settings.

## To set up the wireless security settings:

- Launch a web browser and enter <a href="http://192.168.27.1">http://sprint.router</a>
- 2. From the login screen, enter the default user name (**admin**) and password (**admin**), then click **OK**. The Wi-Fi Connect's Web User Interface launches.
- 3. From the Network Map screen, use the **System status** panel to configure your wireless security settings such as SSID, security level, and encryption settings.



**NOTE:** You can set up different wireless security settings for 2 4GHz and 5GHz bands

- 4. Enter a unique name for your wireless network in the **Wireless name (SSID)** field.
- 5. From the **Security Level** dropdown list, select the encryption method for your wireless network.



**IMPORTANT!** The IEEE 802.11n/ac standard prohibits using High Throughput with WEP or WPA-TKIP as the unicast cipher. If you use these encryption methods, your data rate will drop to IEEE 802.11g 54Mbps connection.

- 6. Enter your security passkey.
- 7. Click **Apply** when done.

## **Smart Connect**

Smart Connect dynamically and seamlessly switches devices between Wi-Fi bands (2.4GHz and 5GHz) based on location, signal strength, and wireless protocol, ensuring optimization for each device using your Wi-Fi Connect.

Smart Connect is enabled by default and requires only a single password. When Smart Connect is turned off, you will see individual settings tabs for the 2.4GHz and 5GHz bands.

Use the System Status menu to change the network name (SSID) and password (key).

# **Managing Your Network Clients**

## To manage your network clients:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. From the Network Map screen, select the **Clients** icon to display the information about your network clients.



# **Monitoring Your USB Device**

The ASUS Wi-Fi Connect provides two USB 2.0 ports for connecting USB devices such as a USB storage device and USB printer, to allow you to monitor the working environment, share files, and printer with clients in your network.



**NOTE:** To use this feature, you need to plug a USB storage device, such as a USB hard disk or USB flash drive, to the USB 2.0 port on the rear panel of your Wi-Fi Connect. Ensure that the USB storage device is formatted and partitioned properly. Refer to the Plug-n-Share Disk Support List at http://event.asus.com/networks/disksupport



**IMPORTANT!** You first need to create a user account to allow other network clients to access the USB device. For more details, refer to the section Using AiDisk for sharing files in this user manual.

## To monitor your USB device:

- 1. Launch the Wi-Fi Connect's Web User Interface.
- 2. On the Network Map screen, select the USB **2.0** icon to display the information about your USB device.



#### **NOTES:**

- For more details, refer to the section **Using the Network** Place (Samba) Share service.
- On USB External HDD/Flash disk:
  - The Wi-Fi Connect works with most USB HDDs/Flash disks (up to 2TB size) and supports read-write access for FAT16, FAT32, EXT2, EXT3, and NTFS.
  - To safely remove the USB disk, launch the web GUI (http://192.168.1.1), then in the upper right corner of Network Map page click > Eject USB1.
  - Incorrect removal of the USB disk may cause data corruption.



# **Using The USB Application**

Application menu provides features for **Media Services and Servers** and **Network Printer Server**.



## **Using The Media Server Service**

Your Wi-Fi Connect allows UPnP (Universal Plug and Play) multimedia devices, such as PS3 and XBox 360, to access multimedia files from the USB disk connected to your Wi-Fi Connect.



**NOTE:** Before using the UPnP Media Server function, install a wireless adapter on your UPnP device.

## To use your router as a Servers center:

- 1. Launch the Wi-Fi Connect's Web User Interface.
- 2. Click **USB Application** from the navigation menu on the left.
- 3. Click Media Services and Servers... and click Apply.

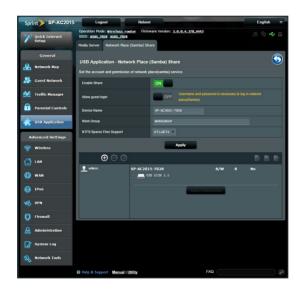


## **Using The Network Place (Samba) Share Service**

Network Place (Samba) Share allows you to set the account and permission for samba service.

#### To use Samba share:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. Click **USB Application** from the navigation menu on the left.
- 3. Click the Network Place (Samba) Share tab.
- 4. Click **Add**, **Delete**, or **Modify** to add, delete, or modify the account. Click **Appl**y when done.

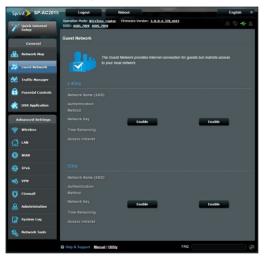


# **Creating Your Guest Network**

The Guest Network provides Internet connectivity for temporary visitors without providing access to your private network.

## To create your guest network:

- 1. Launch the Wi-Fi Connect's Web User Interface.
- On the Guest Network screen, click **Enable** to create a network for your visitors.



- 3. To change a guest's settings, click the guest's settings you want to modify. Click **Remove** to delete the guest's settings.
- 4. From the **Network Name (SSID)** field, assign a temporary wireless name for your temporary network.
- 5. Select an authentication method.
- 6. If you select a WPA authentication method, select a WPA encryption.
- 7. Specify the **Access time** or choose **Limitless**.
- 8. From the Access Intranet item, select **Enable** or **Disable**.
- 9. When done, click **Apply**.

# **Using The Traffic Manager**

### **Traffic Monitor**

The traffic monitor feature allows you to access the bandwidth usage and speed of your Internet, wired, or wireless networks. It allows you to monitor network traffic in real-time or on a daily basis. It also offers an option to display the network traffic within the last 24 hours.



## **To configure Traffic Monitor:**

- 1. Launch the Wi-Fi Connect's Web User Interface.
- 2. From the navigation panel, go to **General** > **Adaptive QoS**> **Traffic Monitor** tab.
- (Optional) From the Traffic Manager Traffic Monitor pane, select an option (Real-Time, Last 24 Hours, or Daily) from the drop down list box.

# **Configuring The Advanced Settings**

Advanced Setting allows you to configure the advanced features of your Wi-Fi Connect.

## **Setting Up The DHCP Server**

You may enable the DHCP Server function in your Wi-Fi Connect so your network clients can automatically obtain IP addresses from your Wi-Fi Connect.



**NOTE:** Your ASUS Wi-Fi Connect can support up to 253 IP addresses for your network.

## To set up the DHCP server:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. Click **LAN** from the navigation menu on the left.
- Click the **DHCP Server** tab.



- 4. Click **Yes** next to the **Enable the DHCP Server**.
- 5. In the **IP Pool Starting Address** field, enter the starting IP address.

- 6. In the **IP Pool Ending Address** field, enter the ending IP address.
- 7. In the **Lease time** field, enter the time that the IP addresses expire and the Wi-Fi Connect automatically assigns new IP Addresses for the network clients.



#### IMPORTANT!

- For the IP Pool Starting and Ending IP addresses, we recommend that you use:
  - IP address: 192.168.27.xxx (xxx can be any number between 2 and 254)
- IP Pool Starting Address should not be greater than the IP Pool Ending Address.

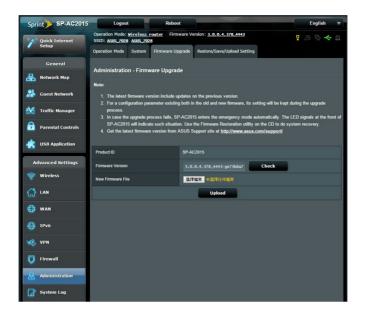
## **Upgrading The Firmware**



**NOTE:** Download the latest firmware from the ASUS website at <a href="http://www.asus.com">http://www.asus.com</a>

## To upgrade the firmware:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. Click **Administration** from the navigation menu on the left.
- 3. Click **Firmware Upgrade**.
- 4. Click **Browse** next to **New Firmware File**.
- 5. Click **Upload**. The uploading process takes about three minutes.



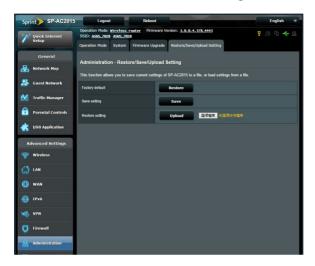


**NOTE**: If the upgrade process fails, the Wi-Fi Connect automatically enters the rescue mode and the power LED indicator at the front panel flashes slowly. To recover or restore the system, use the Firmware Restoration utility.

## **Restoring/Saving/Uploading Settings**

## To restore/save/upload the settings:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. Click **Administration** from the navigation menu on the left.



- 3. Click the **Restore/Save/Upload Setting** tab.
- 4. You can perform the following tasks:
  - To restore to the default factory settings, click **Restore**, and click **OK** in the confirmation message.
  - To save the current system settings, click Save, and click Save in the file download window to save the system file in your preferred path.
  - To restore previous system settings, click Browse to locate the system file that you want to restore, then click Upload.

# **Setting Up Your Network Printer**

Use the Network Printer Setup utility to set up a USB printer on your Wi-Fi Connect and allow network clients to access the USB printer.

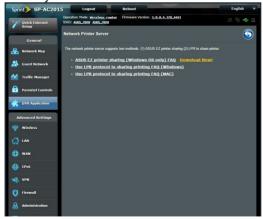


#### NOTES:

- To check if your USB printer is compatible with your ASUS Wi-Fi Connect, refer to the Printer Support List at <a href="http://event.asus.com/2009/networks/printersupport/SP-AC2015.htm">http://event.asus.com/2009/networks/printersupport/SP-AC2015.htm</a>
- The Wi-Fi Connect's printer server function is not supported on Windows® 2000.

## To set up your USB Printer:

- 1. Launch your Wi-Fi Connect's Web User Interface.
- 2. Click **USB Application** from the navigation menu on the left.
- 3. Click Network Printer Server.
- 4. Click **Download Now!** to download the network printer utility.



5. Unzip the downloaded file and double-click the Printer icon to run the network printer setup program.



6. Follow the onscreen instructions to set up your hardware, then click Next.



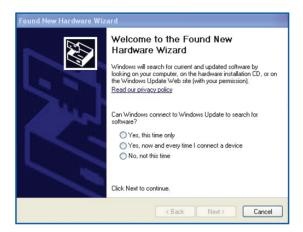
7. Wait for a few minutes for the initial setup to finish.



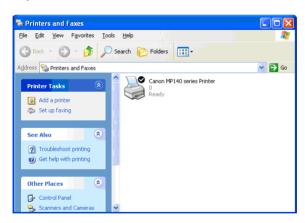
8. Click **Finish** to complete the installation.



9. Follow the Windows® OS instructions to install the printer driver.



10. Once the driver is installed, network clients can now use the printer.



## 4 Troubleshooting



**NOTE:** If you encounter problems that are not mentioned in this chapter, contact the ASUS Technical Support.

#### **Troubleshooting**

#### I cannot access a web browser for configuring the router.

- Delete the cookies and files in your web browser. To do this, follow these steps:
  - From your Internet Explorer 8, click Tools > Internet Options...
  - 2. Under **Temporary Internet files**, click **Delete Cookies**... and **Delete Files...**



**NOTE:** The commands for deleting cookies and files vary with the web browser.

 Disable the proxy server settings, cancel the dial-up connection, and set the TCP/IP settings to obtain IP addresses automatically. For more details, refer to the section Before you proceed in this user manual.

## The client cannot establish a wireless connection with the router.

#### **Out of Range:**

- Put the router closer to the wireless client.
- Try to change the channel settings.

#### **Authentication:**

- Use wired connection to connect to the router.
- · Check the wireless security settings.
- Press the Reset button at the rear panel for more than five seconds.

#### **Cannot find the router:**

- Press the Reset button at the rear panel for more than five seconds.
- Check the setting in the wireless adapter such as SSID and encryption settings.

#### Cannot access the Internet via wireless LAN adapter.

- Move the router closer to the wireless client.
- Check whether the wireless adapter is connected to the correct Wi-Fi Connect.
- Check whether the wireless channel in use conforms to the channels available in your country/area.
- Check the encryption settings.
- Check if the ADSL or Cable connection is correct.
- Retry using another Ethernet cable.

#### Internet is not accessible.

- Check the status indicators on the ADSL modem and the Wi-Fi Connect.
- Check if the WAN LED on the Wi-Fi Connect is ON. If the LED is not ON, change the cable and try again.

# When ADSL Modem "Link" light is ON (not blinking), this means Internet Access is possible.

- Restart your computer.
- Refer to the Quick Start Guide of the Wi-Fi Connect and reconfigure the settings.
- Check if the WAN LED on the Wi-Fi Connect is ON.
- Check the wireless encryption settings.
- Check if the computer can get the IP address (via both wired network and wireless network).
- Ensure that your web browser is configured to use the local LAN, and is not configured to use a proxy server.

# If the ADSL "LINK" light blinks continuously or stays off, Internet access is not possible - the Router is unable to establish a connection with the ADSL network.

- Ensure that all your cables are all properly connected .
- Disconnect the power cord from the ADSL or cable modem, wait a few minutes, then reconnect the cord.
- If the ADSL light continues to blink or stays OFF, contact your ADSL service provider.

#### Network name or encryption keys are forgotten.

- Try setting up the wired connection and configuring the wireless encryption again.
- Press the Reset button at the rear panel of the Wi-Fi Connect for more than five seconds.

#### How to restore the system to its default settings?

- Press the Reset button at the rear panel of the Wi-Fi Connect for more than five seconds.
- Refer to the section **Restoring/Saving/Uploading settings** in Chapter 3 of this user manual.

The following are the factory default settings:

**User Name**: admin

Password:admin

**Enable DHCP**: Yes (if WAN cable is plugged in)

**IP address**: 192.168.27.1

**Domain Name**: (Blank)

**Subnet Mask**: 255.255.255.0

**DNS Server 1**: 192.168.27.1

**DNS Server 2**: (Blank) **SSID (2.4GHz)**: ASUS

**SSID (5GHz)**: ASUS\_5G

#### **ASUS DDNS Service**

SP-AC2015 supports the ASUS DDNS service. When exchanging devices at the service center, if you have registered the ASUS DDNS service and want to keep the original domain name, data transfer is a must. Visit your local service center for more information.



#### **NOTES:**

- If there is no activity in the domain such as reconfiguring the router or accessing the registered domain name - within 90 days, the system automatically deletes the registered information.
- If you encounter any problem or difficulty in using your device, contact the service center.

#### Frequently Asked Questions (FAQs)

## 1. Will the registered information be lost or registered by others?

If you have not updated the registered information in 90 days, the system automatically deletes the registered information and the domain name may be registered by others.

## 2. I did not register the ASUS DDNS for the router I bought six months ago. Can I still register it?

Yes, you can still register the ASUS DDNS service for your router. The DDNS service is embedded in your router, so you can register the ASUS DDNS service anytime. Before registering, click **Query** to check if the hostname has been registered or not. If not, the system registers the hostname automatically.

# 3. I have registered a domain name before and it has been working well until my friends told me that they could not access my domain name.

Check the following:

- 1. The internet is working well.
- 2. The DNS server is working well.
- 3. The last time you updated the domain name.

If there are still problems in accessing your domain name, contact the service center.

## 4. Can I register two domain names to separately access my http and ftp servers?

No, you cannot. You can only register one domain name for one router. Use port mapping to implement security in the network.

## 5. After restarting the router, why is it that I see different WAN IPs in MS DOS and in the router configuration page?

This is normal. The interval time between the ISP DNS server and ASUS DDNS results in different WAN IPs in MS DOS and in the router configuration page. Different ISPs may have different interval time for IP updating.

#### 6. Is the ASUS DDNS service free, or is it just a trial version?

The ASUS DDNS service is a free and embedded service in some ASUS routers. Check your ASUS router if it supports the ASUS DDNS service.

### **Appendices**

#### **Notices**

#### **ASUS Recycling/Takeback Services**

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to <a href="http://csr.asus.com/english/Takeback.htm">http://csr.asus.com/english/Takeback.htm</a> for the detailed recycling information in different regions.

#### **REACH**

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at

http://csr.asus.com/english/index.aspx

#### **Federal Communications Commission Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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



**IMPORTANT!** This device within the  $5.15 \sim 5.25$  GHz is restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.



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

#### **Prohibition of Co-location**

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

#### **Safety Information**

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

#### **Declaration of Conformity for R&TTE directive 1999/5/EC**

Essential requirements - Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328 & EN 301 893 have been conducted. These are considered relevant and sufficient.

Operate the device in 5150-5250 MHz frequency band for indoor use only.

#### **CE Mark Warning**

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

#### Canada, Industry Canada (IC) Notices

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

#### Radio Frequency (RF) Exposure Information

The radiated output power of the Dell Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Dell Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when installed in specific host products operated in portable exposure conditions (antennas are less than 20 centimeters of a person's body).

This device has been certified for use in Canada. Status of the listing in the Industry Canada's REL (Radio Equipment List) can be found at the following web address: http://www.ic.gc.ca/app/sitt/reltel/srch/nwRdSrch.do?lang=eng

Additional Canadian information on RF exposure also can be found at the following web: <a href="http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html">http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html</a>

#### Canada, avis d'Industry Canada (IC)

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-210.

Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent a ecter son fonctionnement.

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Online support support.asus.com

<sup>\*</sup> EUR 0.14/minute from a German fixed landline; EUR 0.42/minute from a mobile phone.

### **Networks Global Hotline Information**

Area	Hotline Number	Support Languages	Working Hour	Working Day
Australia	1300-2787-88	English	8:00-20:00	Mon. to Fri.
Austria	0043-820240513	German	9:00-18:00	Mon. to Fri.
Belgium	0032-78150231	Dutch /French	9:00-17:00	Mon. to Fri.
China	400-620-6655	Simplified Chinese	9:00-18:00	Mon. to Sun.
Denmark	0045-3832-2943	Danish/English	9:00-17:00	Mon. to Fri.
Finland	00358-9693-7969	Finnish/English/ Swedish	10:00-18:00	Mon. to Fri.
France	0033-170949400	France	9:00-17:45	Mon. to Fri.
Greece	00800-44-14-20-44	Greek	9:00-13:00; 14:00-18:00	Mon. to Fri.
Hong Kong	3582-4770	Cantonese/ Chinese/ English	10:00-20:00	Mon. to Fri.
		English	10:00-17:00	Sat.
Ireland	0035-31890719918	English	9:00-17:00	Mon. to Fri
Japan	0800-123-2787	Japanese	9:00-18:00	Mon. to Fri.
Јарап	0000-123-2707		9:00-17:00	Sat. to Sun
Malaysia	+603 2148 0827 (Check Repair Detail Status Only)	Bahasa Melayu/ English	10:00-19:00	Mon. to Fri.
	+603-6279-5077			
Netherlands / Luxembourg	0031-591-570290	Dutch / English	9:00-17:00	Mon. to Fri.
New Zealand	0800-278-788 / 0800-278-778	English	9:00-17:00	Mon. to Fri.
Norway	0047-2316-2682	Norwegian /English	9:00-17:00	Mon. to Fri
Philippines	+632-636 8504; 180014410573	English	9:00-18:00	Mon. to Fri.
Poland	00225-718-033	Polish	9:00-17:00	Mon. to Fri.
	00225-718-040		8:30-17:30	
Portugal	707-500-310	Portuguese	9:00-17:00	Mon. to Fri.
Russia	+8-800-100-ASUS; +7- 495-231-1999	Russian/ English	9:00-18:00	Mon. to Fri.
Singapore	+65-6720-3835 (Check Repair Detail Status Only)	English	11:00-19:00	Mon. to Fri.
	-66221701			

#### **Networks Global Hotline Information**

Area	Hotline Number	Support Languages	Working Hour	Working Day
Slovak	00421-232-162-621	Czech	8:00-17:00	Mon. to Fri.
Spain	902-88-96-88	Spanish	9:00-18:00	Mon. to Fri.
Sweden	0046-8587-6940	Swedish/ English	9:00-17:00	Mon. to Fri.
	0041-848111010	German/French	9:00-18:00	Mon. to Fri.
Switzerland	0041-848111014	French	9:00-17:45	Mon. to Fri.
	0041-848111012	Italian	9:00-17:00	Mon. to Fri.
Taiwan	0800-093-456; 02-81439000	Traditional Chinese	9:00-12:00; 13:30-18:00	Mon. to Fri.
Thailand	+662-679-8367 -70; 001 800 852 5201	Thai/English	9:00-18:00	Mon. to Fri.
Turkey	+90-216-524-3000	Turkish	09:00-18:00	Mon. to Fri
United Kingdom	0044-870-1208340; 0035-31890719918	English	9:00-17:00	Mon. to Fri.
USA/Canada	1-812-282-2787	English	8:30-12:00am EST (5:30am- 9:00pm PST)	Mon. to Fri.
			9:00am- 6:00pm EST (6:00am- 3:00pm PST)	Sat. to Sun.



**NOTE:** For more information, visit the ASUS support site at: <a href="http://support.asus.com">http://support.asus.com</a>

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distributors	A.S.		
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