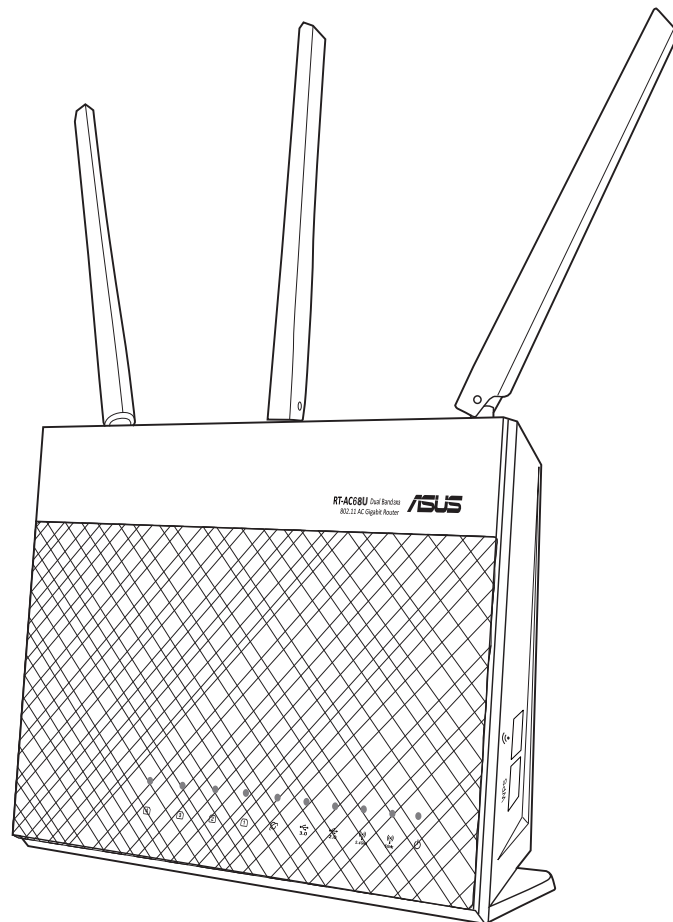


User Guide

RT-AC68U

Wireless-AC1900 Dual Band Gigabit Router



E8119

First Edition

March 2013

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1 Getting to know your wireless router

1.1 Welcome!

Thank you for purchasing an ASUS RT-AC68U Wireless Router!

The ultra-thin and stylish RT-AC68U 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.

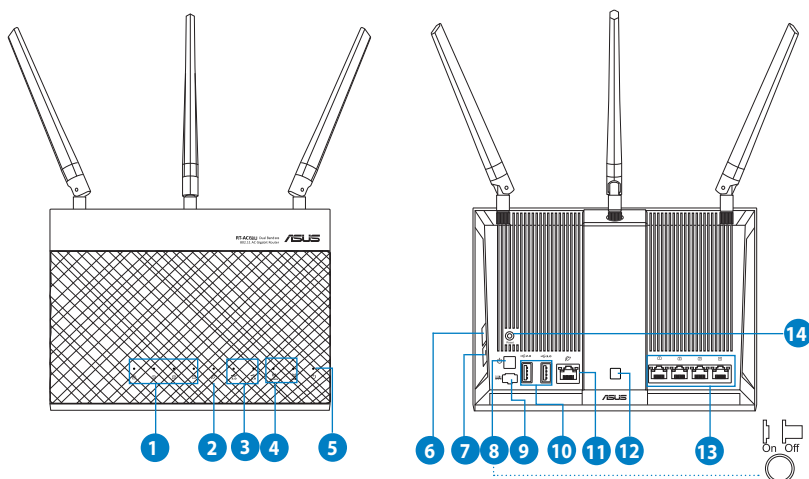
1.2 Package contents

- | | |
|--|---|
| ☒ RT-AC68U Wireless Router | ☒ Network cable (RJ-45) |
| ☒ Power adapter | ☒ Quick Start Guide |
| ☒ Support CD (Manual) | |

NOTES:

- If any of the items are 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.
-

1.3 Your wireless router



1 LAN 1~4 LED

Off: No power or no physical connection.

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

2 WAN (Internet) LED

Off: No power or no physical connection.

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

3 USB 3.0 / 2.0 LED

Off: No power or no physical connection.

On: Has physical connection to USB 3.0 / 2.0 devices.

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.

5 Power LED

Off: No power.

On: Device is ready.

Flashing slow: Rescue mode

Flashing quick: WPS is processing.

6 WPS button

This button launches the WPS Wizard.

7

Wi-Fi On/Off button

Press this button to turn on /off the Wi-Fi connection.

8

Power button

Press this button to power on or off the system.



9

Power (DC-IN) port

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

10

USB 3.0 / 2.0 ports

Insert USB 3.0 / 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.

11

WAN (Internet) port

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

12

LED On/Off button

Press this button to turn on/off the backlight LED on the panel.

13

LAN 1 ~ 4 ports

Connect network cables into these ports to establish LAN connection.

14

Reset button

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

NOTES:

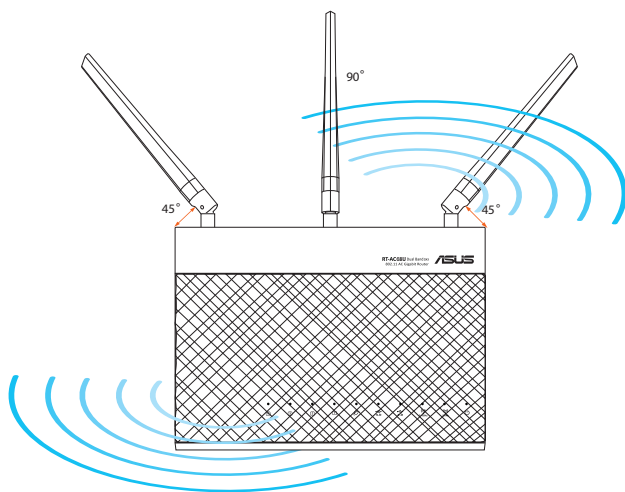
- Use only the adapter that came with your package. Using other adapters may damage the device.
- **Specifications:**

DC Power adapter	DC Output: +19V with max 1.75A current;		
Operating Temperature	0~40°C	Storage	0~70°C
Operating Humidity	50~90%	Storage	20~90%

1.4 Positioning your router

For the best wireless signal transmission between the wireless router and the network devices connected to it, ensure that you:

- Place the wireless router 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 <http://www.asus.com> to get the latest firmware updates.
- To ensure the best wireless signal, orient the three detachable antennas as shown in the drawing below.



1.5 Setup Requirements

To set up your wireless network, you need a computer that meets 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 wireless router 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.
 - Some IEEE 802.11n devices that you want to connect to your network may or may not support 5GHz band. Refer to the device's manual for specifications.
 - The Ethernet RJ-45 cables that will be used to connect the network devices should not exceed 100 meters.
-

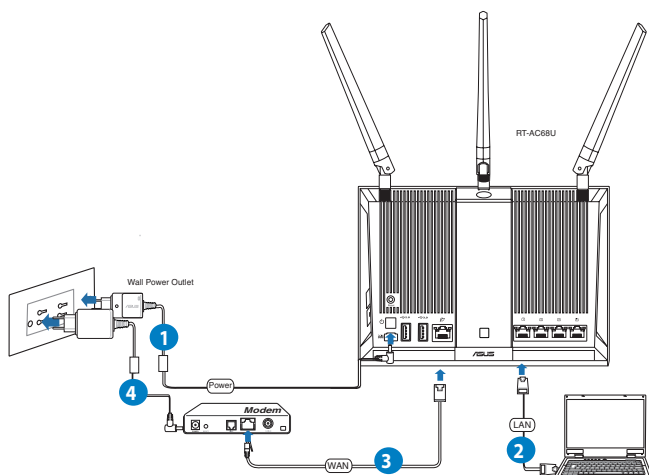
1.6 Router Setup

IMPORTANT!

- Use a wired connection when setting up your wireless router to avoid possible setup problems.
- Before setting up your ASUS wireless router, 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 cable modem and computer (recommended).

1.6.1 Wired connection

NOTE: You can use either a straight-through cable or a crossover cable for wired connection.



To set up your wireless router via wired connection:

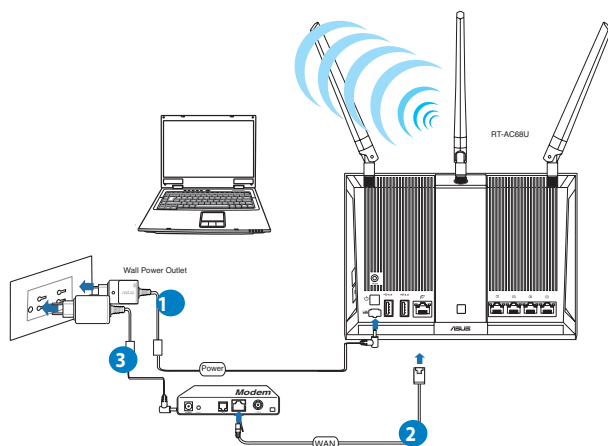
1. Insert your wireless router's AC adapter to the DC-IN port and plug it to a power outlet.

2. Using the bundled network cable, connect your computer to your wireless router's LAN port.

IMPORTANT! Ensure that the LAN LED is blinking.

- 3 Using another network cable, connect your modem to your wireless router's WAN port.
4. Insert your modem's AC adapter to the DC-IN port and plug it to a power outlet.

1.6.2 Wireless connection



To set up your wireless router via wireless connection:

1. Insert your wireless router's AC adapter to the DC-IN port and plug it to a power outlet.
- 2 Using the bundled network cable, connect your modem to your wireless router's WAN port.

3. Insert your modem's AC adapter to the DC-IN port and plug it to a power outlet.
4. Install an IEEE 802.11a/b/g/n/ac WLAN adapter on 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 Chapter 3 of this user manual.
-

2 Getting started

2.1 Logging into the Web GUI

Your ASUS Wireless Router comes with an intuitive web graphical user interface (GUI) that allows you to easily configure its various features through a web browser such as Internet Explorer, Firefox, Safari, or Google Chrome.

NOTE: The features may vary with different firmware versions.

To log into the web GUI:

1. On your web browser, manually key in the wireless router's default IP address: **192.168.1.1** or enter <http://router.asus.com>.
2. On the login page, key in the default user name (**admin**) and password (**admin**).
3. You can now use the Web GUI to configure various settings of your ASUS Wireless Router.



NOTE: If you are logging into the Web GUI for the first time, you will be directed to the Quick Internet Setup (QIS) page automatically.

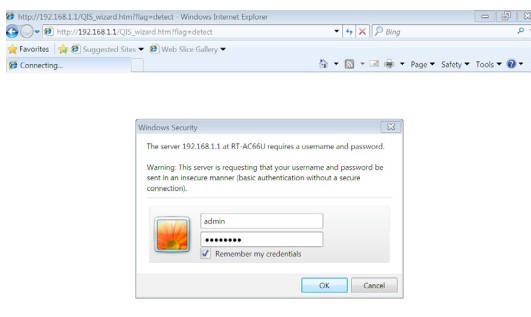
2.2 Quick Internet Setup (QIS) with Auto-detection

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

NOTE: When setting the Internet connection for the first time, press the Reset button on your wireless router to reset it to its factory default settings.

To use QIS with auto-detection:

1. Log into the Web GUI. The QIS page launches automatically.



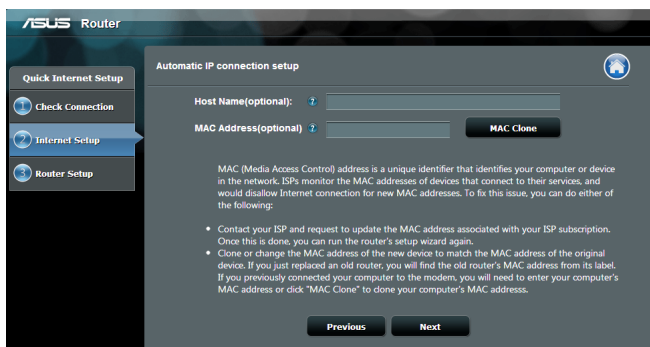
NOTES:

- By default, the login username and password for your wireless router's Web GUI is **admin**. For details on changing your wireless router's login username and password, refer to section **4.7.2 System**.
 - The wireless router's login username and password is different from the 2.4GHz/5GHz network name (SSID) and security key. The wireless router's login username and password allows you to log into your wireless router's Web GUI to configure your wireless router's settings. The 2.4GHz/5GHz network name (SSID) and security key allows Wi-Fi devices to log in and connect to your 2.4GHz/5GHz network.
-

2. The wireless router automatically detects if your ISP connection type is **Dynamic IP**, **PPPoE**, **PPTP**, **L2TP**, and **Static IP**. Key in the necessary information for your ISP connection type.

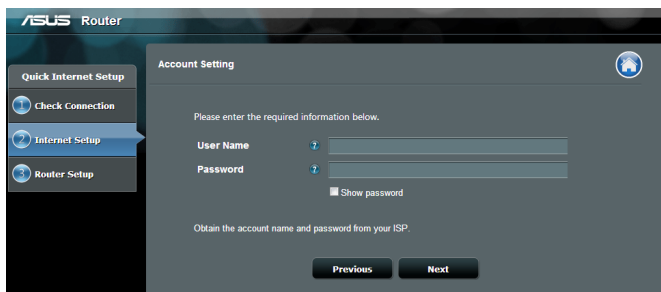
IMPORTANT! Obtain the necessary information from your ISP about the Internet connection type.

for Automatic IP (DHCP)



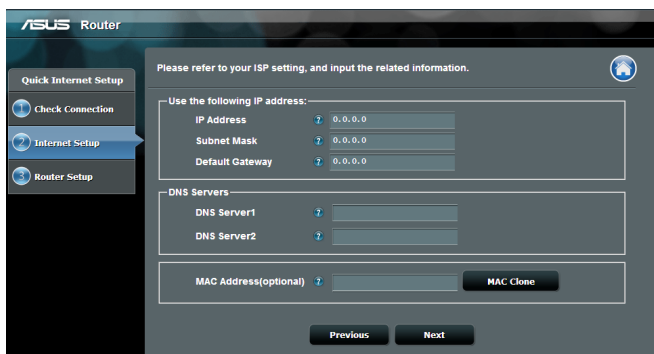
The screenshot shows the 'Automatic IP connection setup' screen in the ASUS Router web interface. On the left, a sidebar contains 'Quick Internet Setup' with three steps: 'Check Connection', 'Internet Setup' (highlighted), and 'Router Setup'. The main area has the title 'Automatic IP connection setup' and a globe icon. It features two input fields: 'Host Name(optional):' and 'MAC Address(optional):', with a 'MAC Clone' button next to the second field. Below these fields is a paragraph explaining MAC addresses and a bulleted list with two points: 'Contact your ISP and request to update the MAC address associated with your ISP subscription. Once this is done, you can run the router's setup wizard again.' and 'Clone or change the MAC address of the new device to match the MAC address of the original device. If you just replaced an old router, you will find the old router's MAC address from its label. If you previously connected your computer to the modem, you will need to enter your computer's MAC address or click "MAC Clone" to done your computer's MAC address.' At the bottom are 'Previous' and 'Next' buttons.

for PPPoE, PPTP, and L2TP



The screenshot shows the 'Account Setting' screen in the ASUS Router web interface. On the left, a sidebar contains 'Quick Internet Setup' with three steps: 'Check Connection', 'Internet Setup' (highlighted), and 'Router Setup'. The main area has the title 'Account Setting' and a globe icon. It features two input fields: 'User Name' and 'Password', with a 'Show password' checkbox below the second field. Below these fields is a paragraph: 'Obtain the account name and password from your ISP.' At the bottom are 'Previous' and 'Next' buttons.

for Static IP

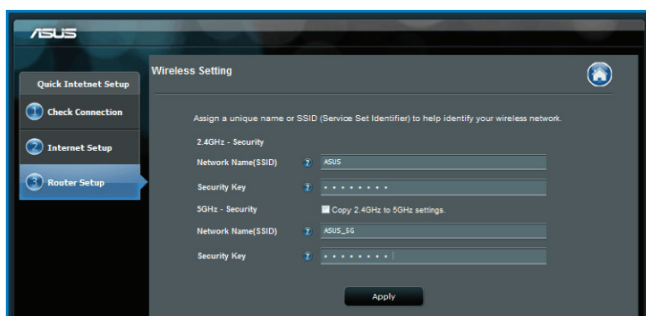


The image shows the 'Quick Internet Setup' screen of an ASUS Router. On the left, there is a sidebar with three options: 'Check Connection', 'Internet Setup' (which is highlighted with a blue arrow), and 'Router Setup'. The main area has a title bar that says 'ASUS Router'. Below the title bar, there is a message: 'Please refer to your ISP setting, and input the related information.' There are three sections: 'Use the following IP address:' with fields for 'IP Address' (0.0.0.0), 'Subnet Mask' (0.0.0.0), and 'Default Gateway' (0.0.0.0); 'DNS Servers' with fields for 'DNS Server1' and 'DNS Server2'; and 'MAC Address(optional)' with a 'MAC Clone' button. At the bottom, there are 'Previous' and 'Next' buttons.

NOTES:

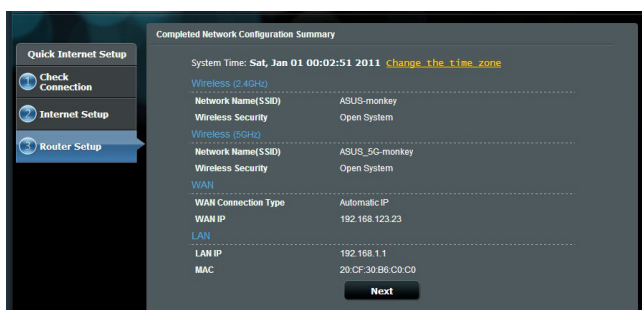
- The auto-detection of your ISP connection type takes place when you configure the wireless router for the first time or when your wireless router is reset to its default settings.
- If QIS failed to detect your Internet connection type, click **Skip to manual setting** and manually configure your connection settings.

3. Assign the wireless network name (SSID) and security key for your 2.4GHz and 5 GHz wireless connection. Click **Apply** when done.



The image shows the 'Wireless Setting' screen of an ASUS Router. On the left, there is a sidebar with three options: 'Quick Internet Setup', 'Internet Setup' (which is highlighted with a blue arrow), and 'Router Setup'. The main area has a title bar that says 'ASUS Router'. Below the title bar, there is a message: 'Assign a unique name or SSID (Service Set Identifier) to help identify your wireless network.' There are two sections: '2.4GHz - Security' with fields for 'Network Name(SSID)' (ASUS) and 'Security Key' (*****); and '5GHz - Security' with a checkbox 'Copy 2.4GHz to 5GHz settings.' and fields for 'Network Name(SSID)' (ASUS_5G) and 'Security Key' (*****). At the bottom, there is an 'Apply' button.

4. Your Internet and wireless settings are displayed. Click **Next** to continue.
5. Read the wireless network connection tutorial. When done, click **Finish**.



2.3 Connecting to your wireless network

After setting up your wireless router via QIS, you can connect your computer or other smart devices to your wireless network.

To connect to your network:

1. On your computer, click the network icon  in the notification area to display the available wireless networks.
2. Select the wireless network that you want to connect to, then click **Connect**.
3. You may need to key in the network security key for a secured wireless network, then click **OK**.
4. Wait while your computer establishes connection to the wireless network successfully. The connection status is displayed and the network icon displays the connected  status.

NOTES:

- Refer to the next chapters for more details on configuring your wireless network's settings.
 - Refer to your device's user manual for more details on connecting it to your wireless network.
-

3 Configuring the General settings

3.1 Using the Network Map

Network Map allows you to configure your network's security settings, manage your network clients, and monitor your USB device.



3.1.1 Setting up the 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:

1. From the navigation panel, go to **General > Network Map**.
2. On the Network Map screen and under **System status**, you can configure the 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.

2.4GHz security settings

The screenshot shows the 'System Status' window with the '2.4GHz' tab selected. The 'Wireless name(SSID)' field contains 'ASUS'. The 'Authentication Method' dropdown is set to 'Open System'. The 'WEP Encryption' dropdown is set to 'None'. Below these fields is an 'Apply' button. At the bottom, the 'LAN IP' is 192.168.1.1, the 'PIN code' is 72013502, the 'LAN MAC address' is 10:BF:48:D8:49:78, and the 'Wireless 2.4GHz MAC address' is 10:BF:48:D8:49:78.

5GHz security settings

The screenshot shows the 'System Status' window with the '5GHz' tab selected. The 'Wireless name(SSID)' field contains 'ASUS_5G'. The 'Authentication Method' dropdown is set to 'Open System'. The 'WEP Encryption' dropdown is set to 'None'. Below these fields is an 'Apply' button. At the bottom, the 'LAN IP' is 192.168.1.1, the 'PIN code' is 72013502, the 'LAN MAC address' is 10:BF:48:D8:49:78, and the 'Wireless 5GHz MAC address' is 10:BF:48:D8:49:7C.

3. On the **Wireless name (SSID)** field, key in a unique name for your wireless network.

4. 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.

5. Key in your security passkey.
6. Click **Apply** when done.

3.1.2 Managing your network clients

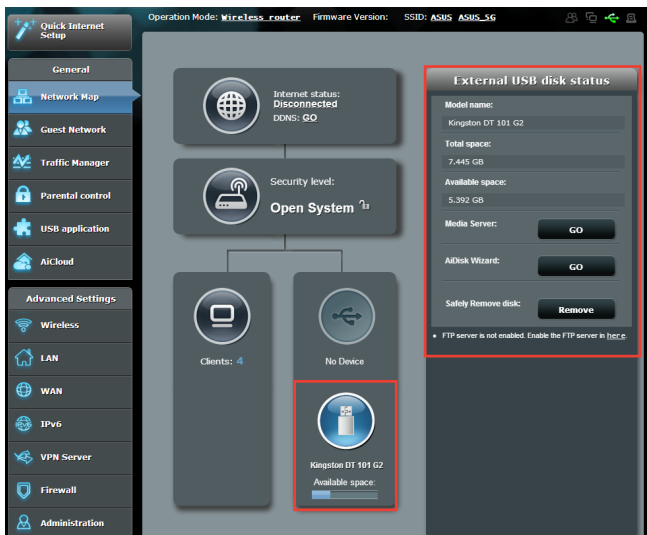


To manage your network clients:

1. From the navigation panel, go to **General > Network Map** tab.
2. On the Network Map screen, select the **Client Status** icon to display your network client's information.
3. To block a client's access to your network, select the client and click **block**.

3.1.3 Monitoring your USB device

The ASUS Wireless Router provides two USB ports for connecting USB devices or USB printer to allow you to share files and printer with clients in your network.



NOTES:

- 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 3.0/2.0 ports on the rear panel of your wireless router. 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>
- The USB ports support two USB drives or one printer and one USB drive at the same time.

IMPORTANT! You first need to create a share account and its permission /access rights to allow other network clients to access the USB device via an FTP site/third-party FTP client utility, Servers Center, Samba, or AiCloud. For more details, refer to the section **3.5.Using the USB Application** and **3.6 Using AiCloud** in this user manual.

To monitor your USB device:

1. From the navigation panel, go to **General > Network Map**.
2. On the Network Map screen, select the **USB Disk Status** icon to display your USB device's information.
3. On the AiDisk Wizard field, click **GO** to set up an FTP server for Internet file sharing.

NOTES:

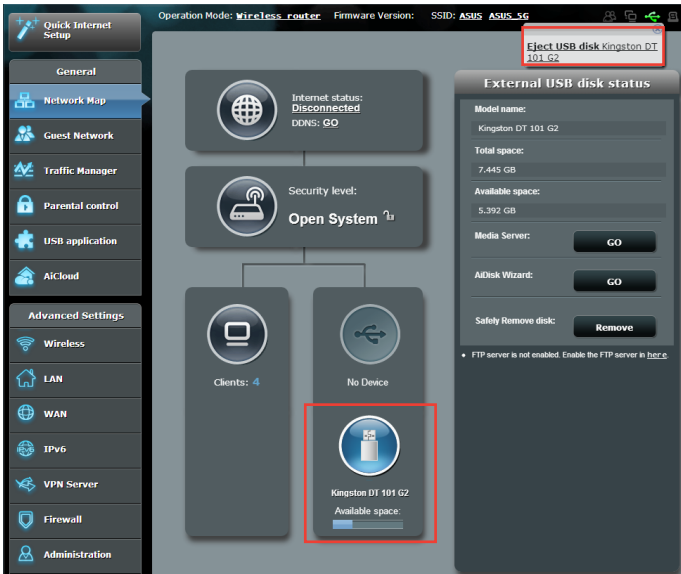
- For more details, refer to the section **3.5.2 Using Servers Center** in this user manual.
 - The wireless router works with most USB HDDs/Flash disks (up to 2TB size) and supports read-write access for FAT16, FAT32, EXT2, EXT3, and NTFS.
-

Safely removing the USB disk

IMPORTANT: Incorrect removal of the USB disk may cause data corruption.

To safely remove the USB disk:

1. From the navigation panel, go to **General > Network Map**.
2. In the upper right corner, click  > **Eject USB disk**. When the USB disk is ejected successfully, the USB status shows **Unmounted**.



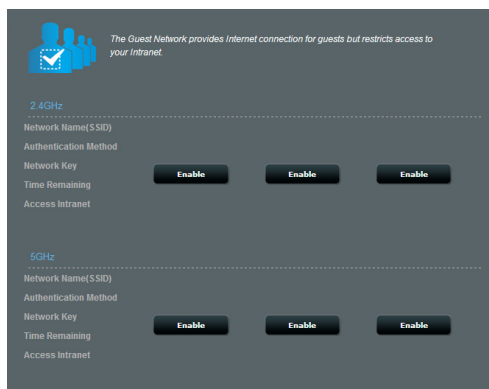
3.2 Creating a Guest Network

The Guest Network provides temporary visitors with Internet connectivity via access to separate SSIDs or networks without providing access to your private network.

NOTE: RT-AC68U supports up to six SSIDs (three 2.4GHz and three 5GHz SSIDs).

To create a guest network:

1. From the navigation panel, go to **General > Guest Network**.
2. On the Guest Network screen, select 2.4GHz or 5GHz frequency band for the guest network that you want to create.
3. Click **Enable**.



4. To configure additional options, click **Modify**.

The screenshot shows a 'Guest Network' configuration window. At the top, there is a header 'Guest Network' and a description: 'The guest network can provide internet connectivity for temporary visitors without accessing your private network.' Below this, there are two sections for configuring 2.4GHz and 5GHz networks. Each section includes fields for 'Network name', 'Wireless Security', 'Security key', 'Access Time', and 'Access Intranet'. The 2.4GHz section has a 'Modify' button, while the 5GHz section has two 'Create' buttons and a 'Modify' button.

2.4GHz	
Network name:	ASUS_Guest1
Wireless Security:	Open System
Security key:	None
Access Time:	Limitless
Access Intranet:	off
Modify	

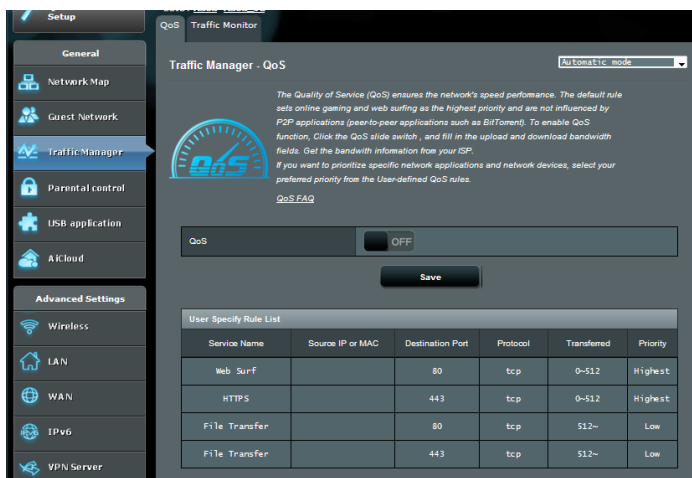
5GHz	
Network name:	ASUS_5G_Guest1
Wireless Security:	Open System
Security key:	None
Access Time:	Limitless
Access Intranet:	off
Create	
Create	
Modify	

5. Click **Yes** on the **Enable Guest Network** screen.
6. Assign a wireless name for your temporary network on the **Network Name (SSID)** field.
7. Select an **Authentication Method**.
8. Select an **Encryption** method.
9. Specify the **Access time** or choose **Limitless**.
10. Select **Disable** or **Enable** on the **Access Intranet** item.
11. When done, click **Apply**.

3.3 Using the Traffic Manager

3.3.1 Managing QoS (Quality of Service) Bandwidth

Quality of Service (QoS) allows you to set the bandwidth priority and manage network traffic.



To set up bandwidth priority:

1. From the navigation panel, go to **General > Traffic Manager > QoS** tab.
2. Click **ON** to enable QoS. Fill in the upload and download bandwidth fields.

NOTE: Get the bandwidth information from your ISP.

3. Click **Save**.

NOTE: The User Specify Rule List is for advanced settings. If you want to prioritize specific network applications and network services, select **User-defined QoS rules** or **User-defined Priority** from the drop-down list on the upper-right corner.

4. On the **user-defined QoS rules** page, there are four default online service types – web surf, HTTPS and file transfers. Select your preferred service, fill in the **Source IP or MAC, Destination Port, Protocol, Transferred** and **Priority**, then click **Apply**. The information will be configured in the QoS rules screen.

NOTES

- To fill in the source IP or MAC, you can:
 - a) Enter a specific IP address, such as "192.168.122.1".
 - b) Enter IP addresses within one subnet or within the same IP pool, such as "192.168.123.*", or "192.168.*.*"
 - c) Enter all IP addresses as "*.*.*.*" or leave the field blank.
 - d) The format for the MAC address is six groups of two hexadecimal digits, separated by colons (:), in transmission order (e.g. 12:34:56:aa:bc:ef)
 - For source or destination port range, you can either:
 - a) Enter a specific port, such as "95".
 - b) Enter ports within a range, such as "103:315", ">100", or "<65535".
 - The **Transferred** column contains information about the upstream and downstream traffic (outgoing and incoming network traffic) for one section. In this column, you can set the network traffic limit (in KB) for a specific service to generate specific priorities for the service assigned to a specific port. For example, if two network clients, PC 1 and PC 2, are both accessing the Internet (set at port 80), but PC 1 exceeds the network traffic limit due to some downloading tasks, PC 1 will have a lower priority. If you do not want to set the traffic limit, leave it blank.
-

5. On the **User-defined Priority** page, you can prioritize the network applications or devices into five levels from the **user-defined QoS rules'** dropdown list. Based on priority level, you can use the following methods to send data packets:
 - Change the order of upstream network packets that are sent to the Internet.
 - Under **Upload Bandwidth** table, set **Minimum Reserved Bandwidth** and **Maximum Bandwidth Limit** for multiple network applications with different priority levels. The percentages indicate the upload bandwidth rates that are available for specified network applications.

NOTES:

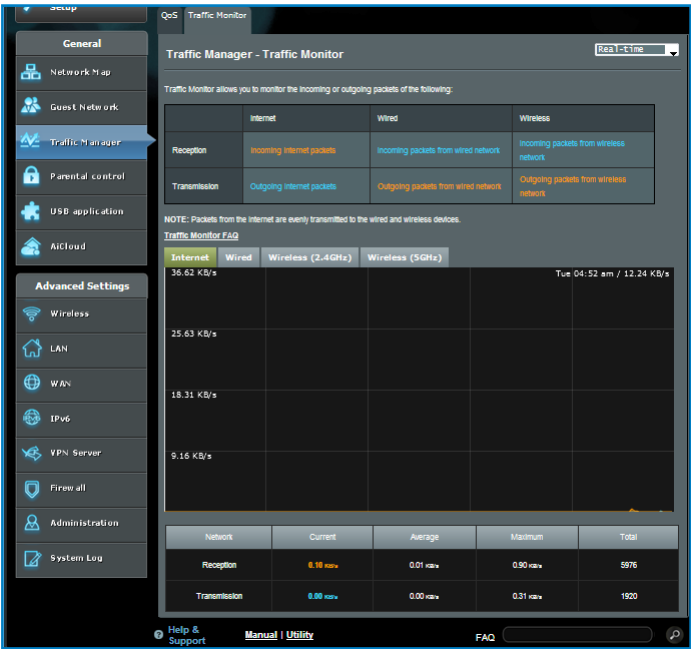
- Low-priority packets are disregarded to ensure the transmission of high-priority packets.
 - Under **Download Bandwidth** table, set **Maximum Bandwidth Limit** for multiple network applications in corresponding order. The higher priority upstream packet will cause the higher priority downstream packet.
 - If there are no packets being sent from high-priority applications, the full transmission rate of the Internet connection is available for low-priority packets.
-

6. Set the highest priority packet. To ensure a smooth online gaming experience, you can set ACK, SYN, and ICMP as the highest priority packet.

NOTE: Ensure to enable QoS first and set up the upload and download rate limits.

3.3.2 Monitoring Traffic

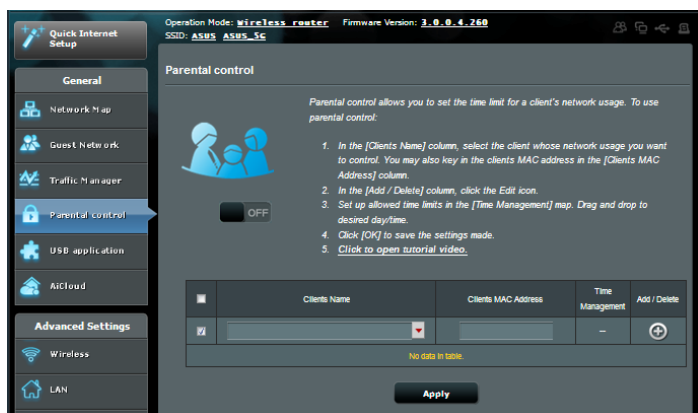
The traffic monitor function allows you to access the bandwidth usage and speed of your Internet, wired, and wireless networks. It allows you to monitor network traffic even on a daily basis.



Note: Packets from the Internet are evenly transmitted to the wired and wireless devices.

3.4 Setting up Parental Control

Parental Control allows you to control the Internet access time. Users can set the time limit for a client's network usage.



To use the parental control function:

1. From the navigation panel, go to **General > Parental control**.
2. Click **ON** to enable Parental Control.
3. Select the client whose network usage you want to control.
You may also key in the client's MAC address in the **Client MAC Address** column.

NOTE: Ensure that the client name does not contain special characters or spaces as this may cause the router to function abnormally.

4. Click or to add or delete the client's profile.
5. Set up the allowed time limit in **Time Management** map. Drag and drop a desired time zone to allow client's network usage.
6. Click **OK**.
7. Click **Apply** to save the settings.

3.5 Using the USB Application

The USB Applications function provides AiDisk, Servers Center, Network Printer Server and Download Master submenus.

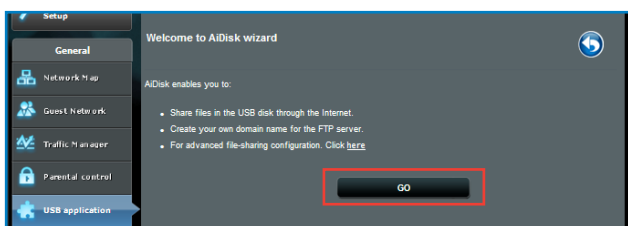
IMPORTANT! To use the server functions, you need to insert a USB storage device, such as a USB hard disk or USB flash drive, in the USB 2.0 port on the rear panel of your wireless router. Ensure that the USB storage device is formatted and partitioned properly. Refer to the ASUS website at <http://event.asus.com/2009/networks/disksupport/> for the file system support table.

3.5.1 Using AiDisk

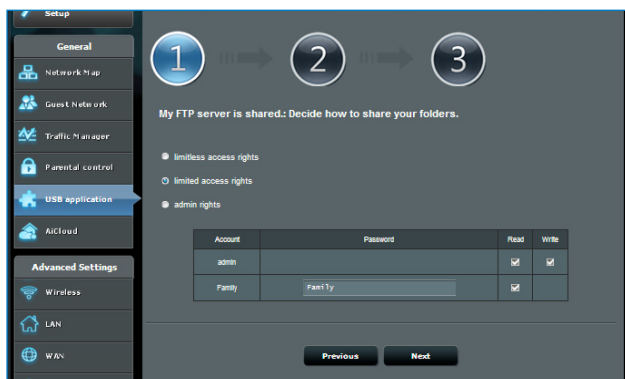
AiDisk allows you to share files stored on a connected USB device through the Internet. AiDisk also assists you with setting up ASUS DDNS and an FTP server.

To use AiDisk:

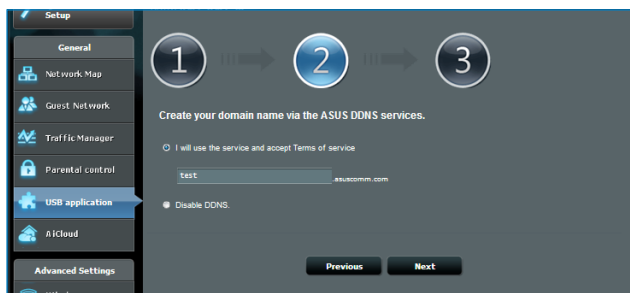
1. From the navigation panel, go to **General > USB application**, then click the **AiDisk** icon.
2. From the Welcome to AiDisk wizard screen, click **Go**.



3. Select the access rights that you want to assign to the clients accessing your shared data.



4. Create your domain name via the ASUS DDNS services, read the Terms of Service and then select **I will use the service and accept the Terms of service** and key in your domain name. When done, click **Next**.



You can also select **Skip ASUS DDNS settings** then click **Next** to skip the DDNS setting.

5. Click **Finish** to complete the setting.
6. To access the FTP site that you created, launch a web browser or a third-party FTP client utility and key in the ftp link (**ftp://<domain name>.asuscomm.com**) you have previously created.

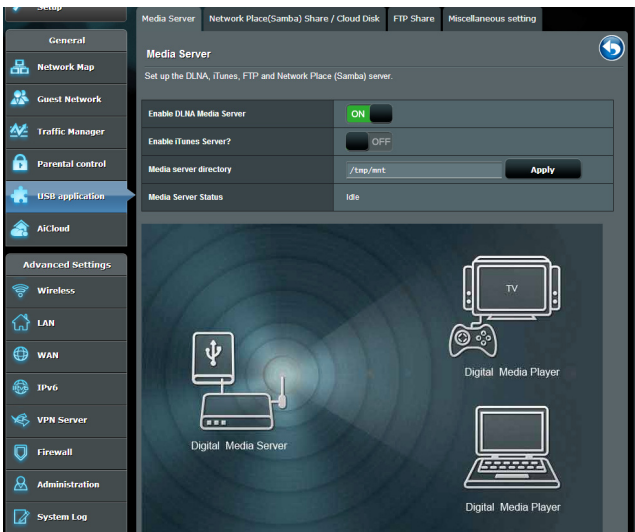
3.5.2 Using Servers Center

Servers Center allows you to share the media files from the USB disk via a Media Server directory, Samba share service, or FTP share service. You can also configure other settings for the USB disk in the Servers Center.

Using Media Server

Your wireless router allows DLNA-supported devices to access multimedia files from the USB disk connected to your wireless router.

NOTE: Before using the DLNA Media Server function, connect your device to the RT-AC68U's network.

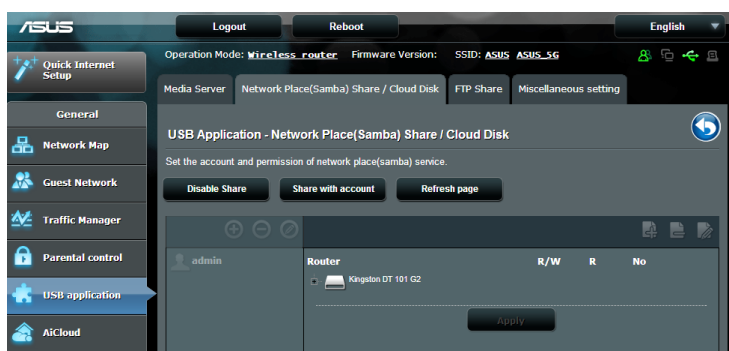


To launch the Media Server setting page, go to **General > USB application > Servers Center > Media Servers** tab. Refer to the following for the descriptions of the fields:

- **Enable DLNA Media Server:** Select ON/OFF to enable/disable the DLNA Media Server.
- **Enable iTunes Server?:** Select ON/OFF to enable/disable the iTunes Server.
- **Media server directory:** Select your media server directory and click **Apply** to share files from the USB disk to media devices in the network.
- **Media Server Status:** Displays the status of the media server.

Using Network Place (Samba) Share service

Network Place (Samba) Share allows you to set up the accounts and permissions for the Samba service.



To use Samba share:

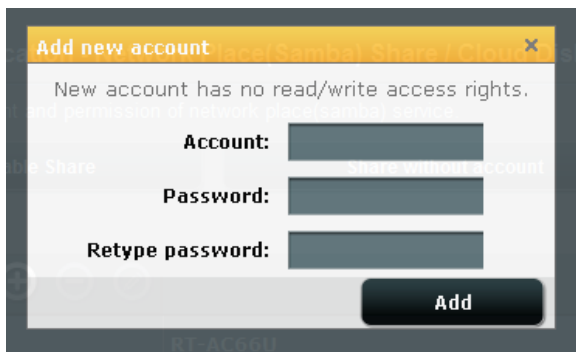
1. From the navigation panel, go to **General > USB application > Servers Center**.

NOTE: Network Place (Samba) Share is enabled by default.

2. Follow the steps below to add, delete, or modify an account.

To create a new account:

- a) Click  to add new account.
- b) In the **Account** and **Password** fields, key in the name and password of your network client. Retype the password to confirm. Click **Add** to add the account to the list.



To delete an existing account:

- a) Select the account that you want to delete.
- b) Click .
- c) When prompted, click **Delete** to confirm the account deletion.

To add a folder:

- a) Click .
- b) Enter the folder name, and click **Add**. The folder that you created will be added to the folder list.



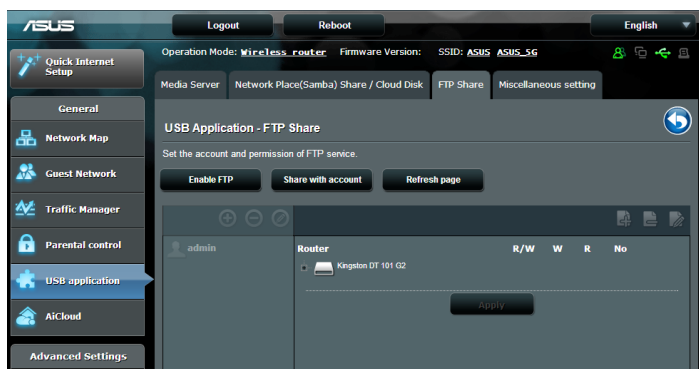
3. From the list of folders, select the type of access permission that you want to assign for specific folders:
 - **R/W**: Select this option to assign read/write access.
 - **R**: Select this option to assign read-only access.
 - **No**: Select this option if you do not want to share a specific file folder.
4. Click **Apply** to apply the changes.

Using the FTP Share service

FTP share enables an FTP server to share files from USB disk to other devices via your local area network or via the Internet.

IMPORTANT:

- Ensure that you safely remove the USB disk. Incorrect removal of the USB disk may cause data corruption.
 - To safely remove the USB disk, refer to the section **Safely removing the USB disk** under **3.1.3 Monitoring your USB device**.
-



To use FTP Share service:

NOTES: Ensure that you have set up your FTP server through AiDisk. For more details, refer to the section **3.5.1 Using AiDisk**.

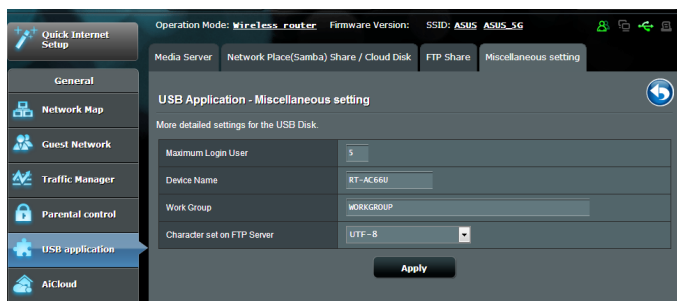
1. From the navigation panel, click **General > USB application > Servers Center > FTP Share** tab.
2. From the list of folders, select the type of access rights that you want to assign for specific folders:
 - **R/W:** Select to assign read/write access for a specific folder.
 - **W:** Select to assign write only access for a specific folder.
 - **R:** Select to assign read only access for a specific folder.
 - **No:** Select this option if you do not want to share a specific folder.
3. Click **Apply** to confirm the changes.
4. To access the FTP server, key in the ftp link **ftp://<hostname>.asuscomm.com** and your user name and password on a web browser or a third-party FTP utility.

Miscellaneous setting

Miscellaneous setting allows you to configure other settings for the USB disk, including the maximum number of user logins, the device name, work group, and character set used on the FTP server.

To configure Miscellaneous settings:

1. From the navigation panel, click **General > USB application > Servers Center > Miscellaneous setting** tab.



2. Configure the following settings:

- **Maximum Login User**

Set the maximum number of concurrent connections of the Network Neighborhood or FTP Server.

NOTE: Some FTP clients may establish more than one connection. Setting this number too low will lead to login failures.

- **Device Name**

Assigns the name of the device as shown on the network. For example, for a device with the name ABC, enter //ABC on the Internet Explorer address bar to access the Network Place service.

- **Work Group**

Assigns the name of the local RT-AC68U network as seen in Network Neighborhood.

NOTE: For **Device Name** and **Work Group**, the standard input characters include letters (a-z, A-Z), digits (0-9), space, underscores(_), and hyphens(-). The first and last character should not contain any spaces. An invalid workgroup name makes it harder for other devices to find your device in the network.

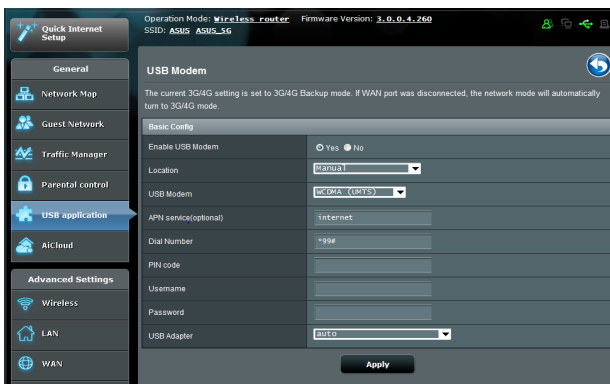
- **Character set on FTP Server**

Select the appropriate encoding used during data exchange on the FTP server.

3.5.3 3G/4G

3G/4G USB modems can be connected to RT-AC68U to allow Internet access.

NOTE: For a list of verified USB modems, please visit:
<http://event.asus.com/2009/networks/3gsupport/>



To set up 3G/4G internet access:

1. From the navigation panel, click **General > USB application > 3G/4G**.
2. In the **Enable USB Modem** field, select **Yes**.
3. Set up the following:
 - **Location:** Select your 3G/4G service provider's location from the dropdown list.
 - **ISP:** Select your Internet Service Provider (ISP) from the dropdown list.
 - **APN (Access Point Name) service (optional):** Contact your 3G/4G service provider for detailed information.
 - **Dial Number and PIN code:** The 3G/4G provider's access number and PIN code for connection.

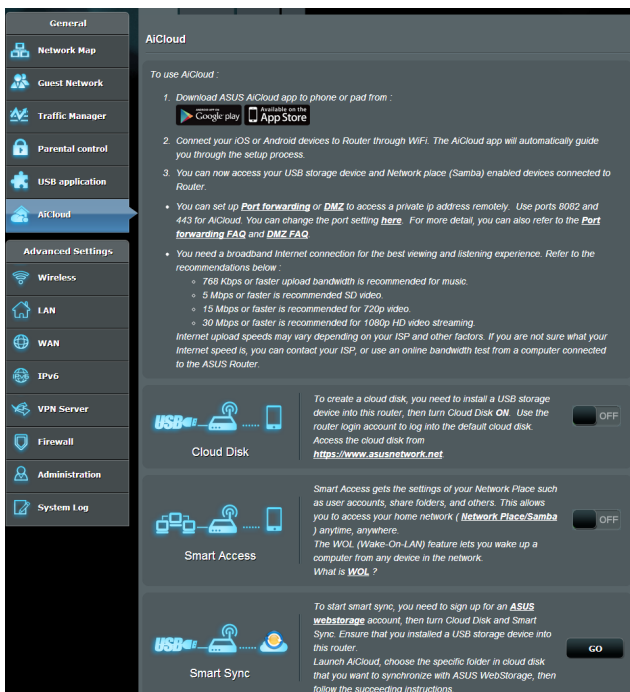
NOTE: PIN code may vary from different providers.

- **Username / Password:** The username and password will be provided by the 3G/4G network carrier.
 - **USB Adapter:** Choose your USB 3G / 4G adapter from the dropdown list. If you are not sure of your USB adapter's model or the model is not listed in the options, select **Auto**.
4. Click **Apply**.

NOTE: The router will reboot for the settings to take effect.

3.6 Using AiCloud

AiCloud is a cloud service application that allows you to save, sync, share, and access your files.



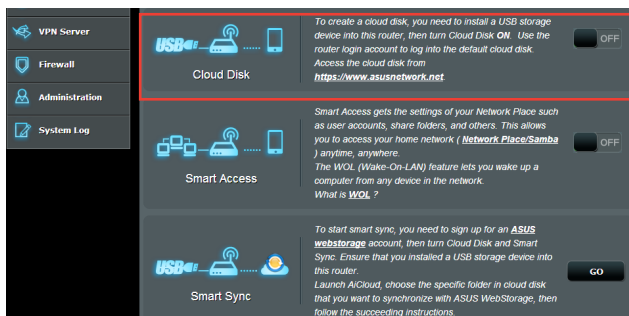
To use AiCloud:

1. From Google Play Store or Apple Store, download and install the ASUS AiCloud app to your smart device.
2. Connect your smart device to your network. Follow the instructions to complete the AiCloud setup process.

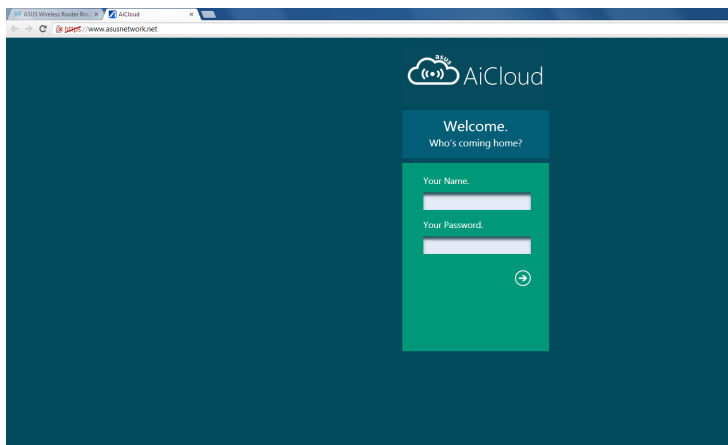
3.6.1 Cloud Disk

To create a cloud disk:

1. Insert a USB storage device into the wireless router.
2. Turn on **Cloud Disk**.

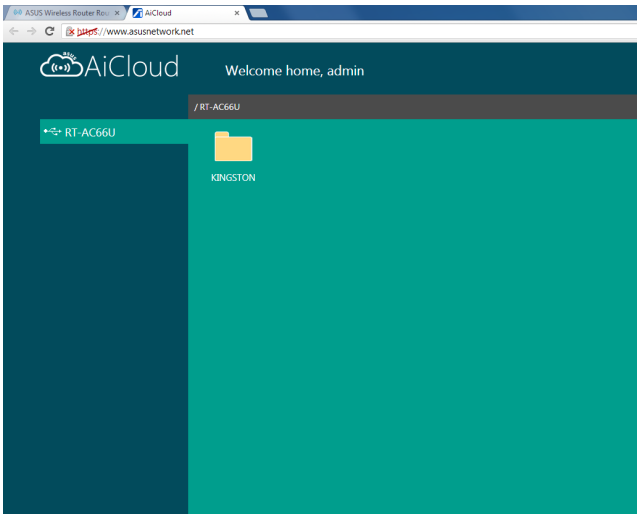


3. Go to <https://router.asus.com> and enter the router login account and password. For better user experience, we recommend that you use **Google Chrome** or **Firefox**.



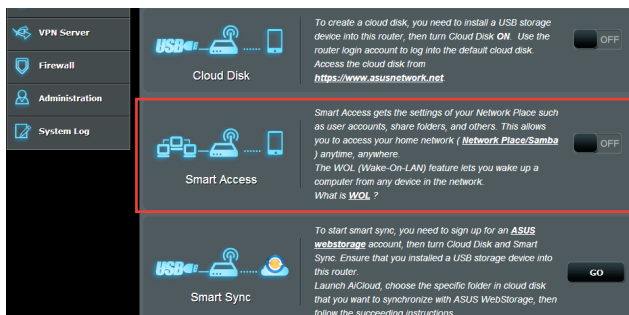
4. You can now start accessing Cloud Disk files on devices connected to the network.

NOTE: When accessing the devices that are connected to the network, you need to enter the device's user name and password manually, which will not be saved by AiCloud for security reason.



3.6.2 Smart Access

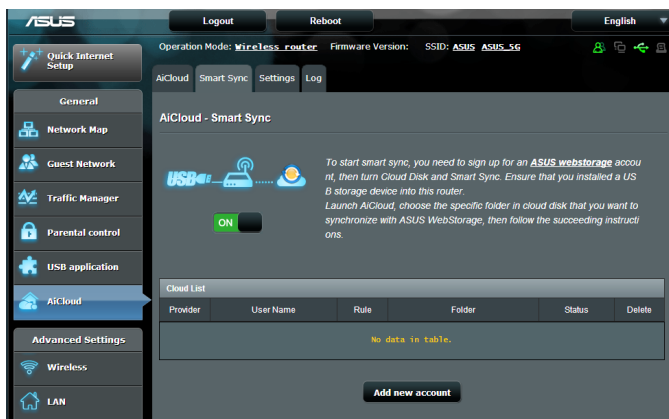
The Smart Access function allows you to easily access your home network via your router's domain name.



NOTES:

- You can create a domain name for your router with ASUS DDNS. For more details, refer to section **4.3.5 DDNS**.
- By default, AiCloud provides a secure HTTPS connection. Key in [https://\[yourASUSDDNSname\].asuscomm.com](https://[yourASUSDDNSname].asuscomm.com) for a very secure Cloud Disk and Smart Access usage.

3.6.3 Smart Sync



To use Smart Sync:

1. Launch AiCloud, click **Smart Sync** > **Go**.
2. Select **ON** to enable Smart Sync.
3. Click **Add new account**.
4. Enter your ASUS WebStorage account password and select the directory that you want to sync with WebStorage.
5. Click **Apply**.