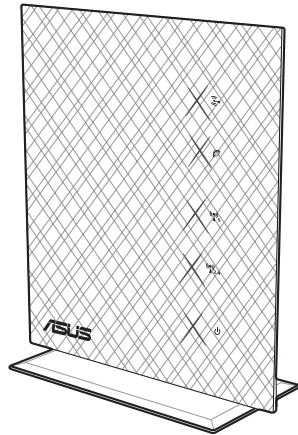


User Guide

RT-N53

Dual-band Wireless-N Router

The ultra-thin and stylish RT-N53 features a 2.4GHz and 5GHz dual bands for an unmatched concurrent wireless HD streaming; with its universal repeater mode and multiple SSID feature, you can easily create various wireless environments to fit your needs.



ASUS[®]
Inspiring Innovation • Persistent Perfection

E6772

First Edition

July 2011

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1 A quick look

Package contents

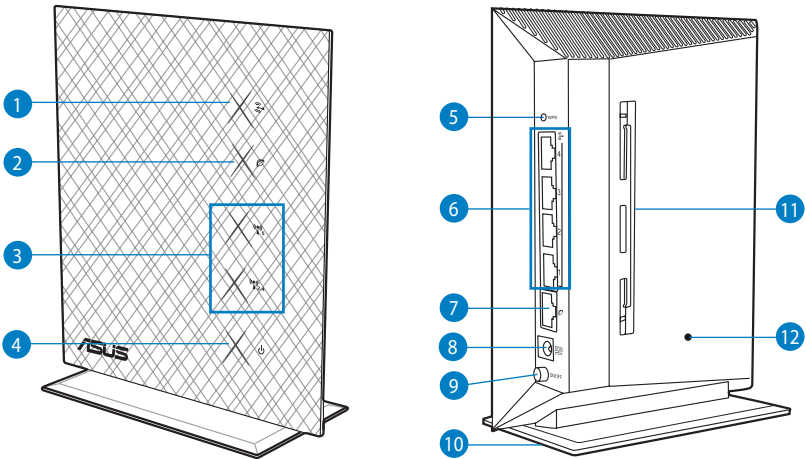
- ☑ RT-N53 Wireless Router
- ☑ Power adapter
- ☑ Support CD (Manual, utility software)
- ☑ Network cable (RJ-45)
- ☑ Quick Start Guide
- ☑ Warranty card



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 wireless router





1

LAN LED

Off: No power or no physical connection.

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

-
- 2** WAN LED
Off: No power or no physical connection.
On: Has physical connection to a wide area network (WAN).
-
- 3** 5GHz LED / 2.4GHz LED
Off: No 5GHz or 2.4GHz signal.
On: Wireless system is ready.
-
- 4** Power LED
Off: No power.
On: Device is ready.
Flashing slow: Rescue mode
Flashing quick: WPS is processing.
-
- 5** WPS button
This button launches the WPS Wizard.
-
- 6** LAN 1 ~ 4 ports
Connect network cables into these ports to establish LAN connection.
- 
- The diagram shows a close-up of four RJ45 LAN ports on a network device, highlighted with a yellow background.
-
- 7** WAN (Internet) port
Connect a network cable into this port to establish WAN connection.
- 
- The diagram shows a close-up of a single WAN (Internet) port on a network device, highlighted with a blue background.
-
- 8** Power (DC-In) port
Insert the bundled AC adapter into this port and connect your router to a power source.
-
- 9** Power switch
Turns the power on/off.
-
- 10** Stand
Allows you to place the wireless router into an upright position.
-
- 11** Mounting hole
Allows you to mount the wireless router to the wall.
-
- 12** 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:

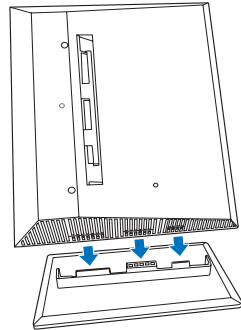
DC Input (RT-N53)	12V with max 1A current		
Operating Temperature	0~40°C	Storage	0~70°C
Operating Humidity	50~90%	Storage	20~90%

Mounting options

Mounting to the stand

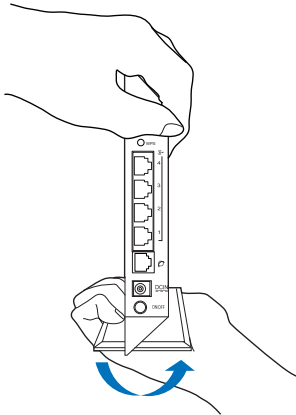
To mount the wireless router into its stand:

1. Locate the mounting holes at the bottom of the wireless router.
2. Align and insert the stand's mounting hooks to the wireless router's mounting holes.



Dismount from the stand

1. Hold the wireless router with one hand on the upside and the other hand under the stand, ensuring that the I/O ports facing you.
2. Follow the direction of the arrow shown below to apply force and remove the stand.



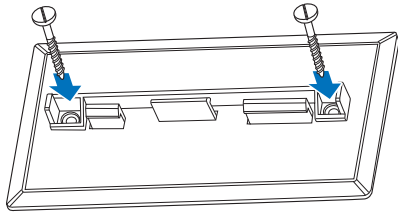
NOTE:

It's normal if you hear squeaking while dismounting the RT-N53 from the stand.

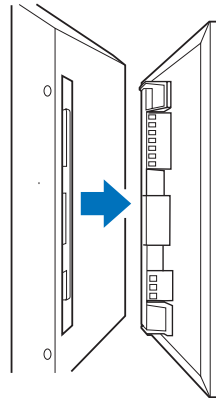
Mounting on the wall

To mount the wireless router on the wall:

1. Locate the two holes on the stand and secure the stand to the wall with screws.

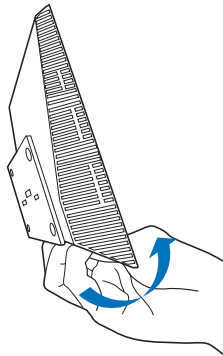


2. Locate the mounting holes at the back of the wireless router.
3. Align and insert the stand's mounting hooks to the wireless router's mounting holes.

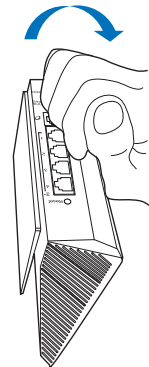


Dismount from the wall

1. Hold the edge of the front cover (near the I/O ports).
2. Follow the direction of the arrow shown below to apply force and dismount the RT-N53.



or



2 Creating your network

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.
- For the best front-to-rear coverage, place the wireless router in an upright position.
- For the best up-and-down coverage, place the wireless router in an inclined position.
- Always update to the latest firmware. Visit the ASUS website at <http://www.asus.com> to get the latest firmware updates.



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)
- IEEE 802.11a/b/g/n 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 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.
 - 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 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 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 wireless router



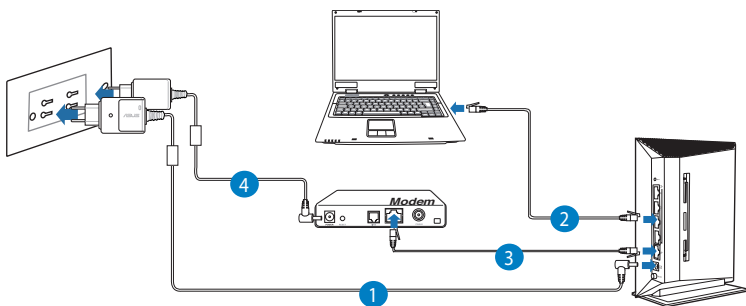
IMPORTANT!

- Use wired connection in setting up your wireless router to avoid possible setup problems due to wireless uncertainty.
- 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 computer (recommended).

Wired connection



NOTE: Your wireless router has an integrated auto-crossover function, so use either straight-through or 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.

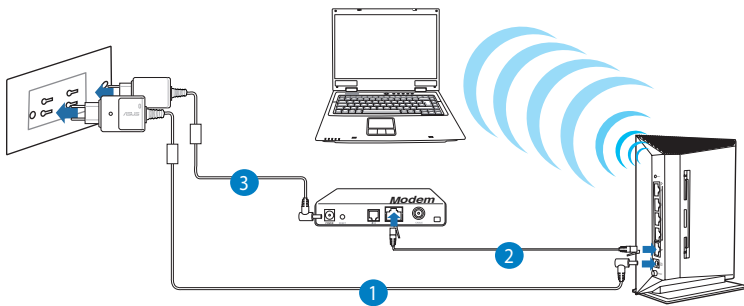
2. Using the bundled network cable, connect your computer to your wireless router's LAN port.



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.
5. Switch on the wireless router.

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 WLAN adapter on your computer.
5. Switch on the wireless router.



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.

Before you proceed

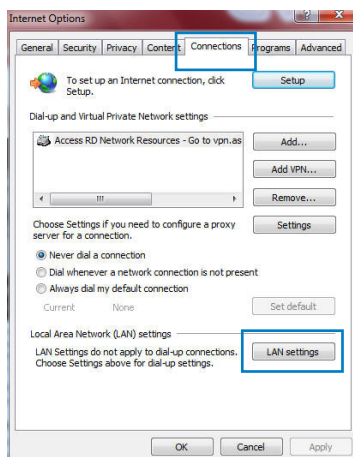


NOTE: Before configuring your wireless router, do the steps described in this section for your host computer and network clients.

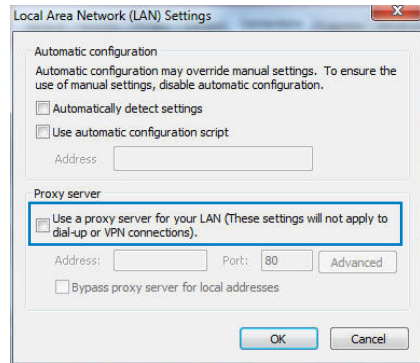
A. Disable the proxy server, if enabled.

Windows® 7

1. Click Start > Internet Explorer to launch the browser.
2. Click Tools > Internet options > Connections tab > LAN settings.

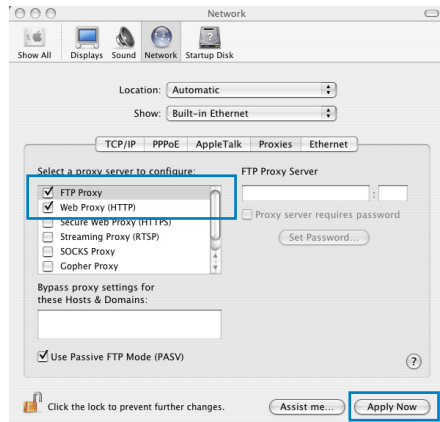


- From the Local Area Network (LAN) Settings screen, untick Use a proxy server for your LAN.
- Click OK when done.



MAC OS

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

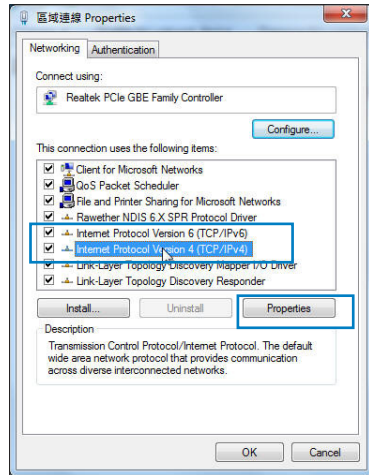


NOTE: Refer to your browser's help feature for details on disabling the proxy server.

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

Windows® 7

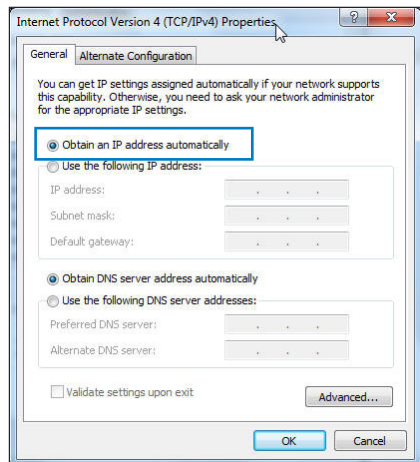
1. Click Start > Control Panel > Network and Internet > Network and Sharing Center > Manage network connections.
2. Select Internet Protocol Version 4 (TCP/IPv4) or Internet Protocol Version 6 (TCP/IPv6), then click Properties.




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

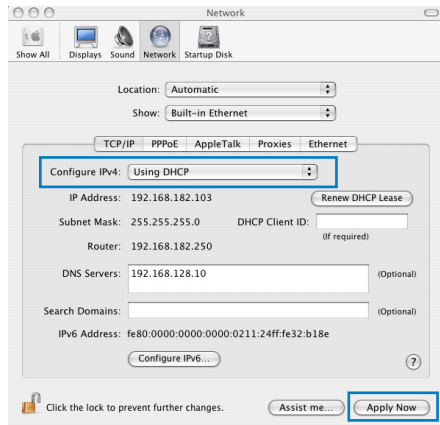
To obtain the IPv6 IP settings automatically, tick Obtain an IPv6 address automatically.

4. Click OK when done.



MAC OS

1. Click the Apple icon  located on the top left of your screen.
2. Click System Preferences > Network > Configure...
3. From the TCP/IP tab, select Using DHCP in the Configure IPv4 dropdown list.
4. Click Apply Now when done.

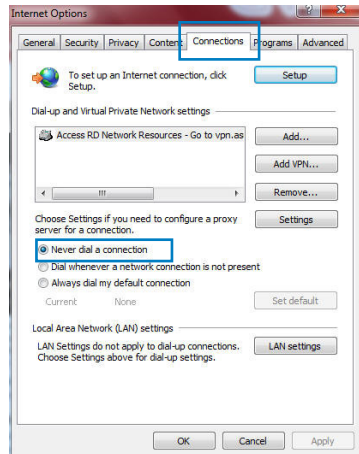


NOTE: Refer to your operating system's help and support feature for details on configuring your computer's TCP/IP settings.

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

Windows® 7

1. Click Start > Internet Explorer to launch the browser.
2. 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 GUI

Logging into the web GUI

Your ASUS Wireless Router comes with an intuitive web graphics 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.

To log into the web GUI:

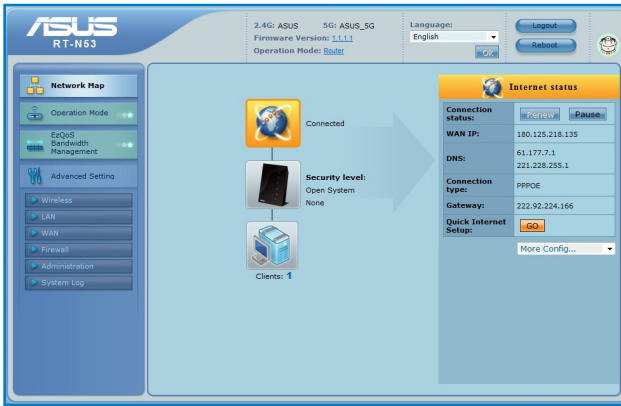
1. On your web browser such as Internet Explorer, Firefox, Safari, or Google Chrome, manually key in the wireless router's default IP address: 192.168.1.1
2. On the login page, key in the default user name (admin) and password (admin).



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.
-




- The wireless router's web GUI launches. Use the web GUI to configure various wireless settings.



Using the Network Map

Network Map allows you to view the status and configure the connection settings of the Internet, system, and clients in your network. It enables you to quickly set up your Wide Area Network (WAN) using the Quick Internet Setup (QIS) feature.

To view the status or configure the settings, click any of these icons displayed on the main page:

Icon	Description
	<p>Internet status</p> <p>Click this icon to display information on the Internet connection status, WAN IP address, DNS, connection type, and gateway address. From the Internet status screen, use the Quick Internet Setup (QIS) feature to quickly set up your WAN.</p>
	<p>System status</p> <p>Click this icon to display information on the SSID, authentication and encryption methods, LAN IP, or MAC address. Enable the WPS mode from the System status screen.</p>
	<p>Client status</p> <p>Click this icon to display information about the clients or computers in the network, and allows you to block/unblock a client.</p>

Setting up the Internet connection



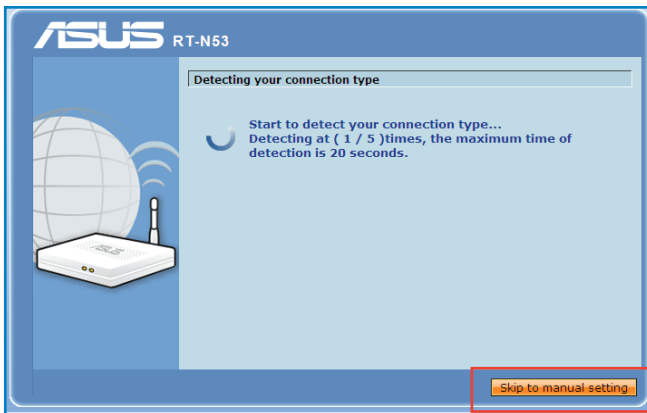
NOTE: When setting the Internet connection for the first time, press the Reset button on your wireless router to reset it to its factory default settings.

Quick Internet Setup (QIS) with auto-detection

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

To use QIS with auto-detection:

1. Launch a web browser such as Internet Explorer, Firefox, Safari, or Google Chrome.



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.



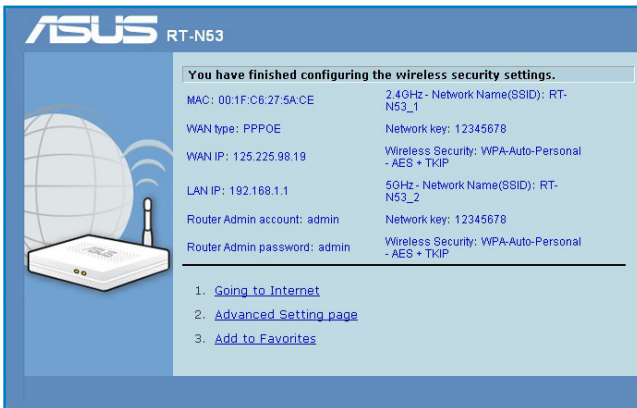
IMPORTANT! Obtain the necessary information about your Internet connection type from your ISP.



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 (see the screen capture in step 1) and manually configure your connection settings.
- If QIS failed to launch automatically, manually launch your wireless router's web GUI to access the QIS page. To do this, follow these steps:
 - On your web browser, key in <http://192.168.1.1>
 - On the login page, key in the default username admin and password admin.
 - Click GO in the Quick Internet Setup field under Internet status in the Network Map page.

3. Internet connection setup is done.



Select your next preferred task from any of these options:

1. Going to Internet: Click to start surfing the Internet or do Internet-related activities such as chat, or read/write e-mail messages.
2. Advanced Setting page: Click to go to the wireless router's Advanced Setting page and configure more advanced wireless settings.
3. Add to Favorites: Click to go add the router's web interface to your Favorites.

Using Wi-Fi Protected Setup (WPS)

WPS (Wi-Fi Protected Setup) allows you to set up a secure and protected wireless network easily.



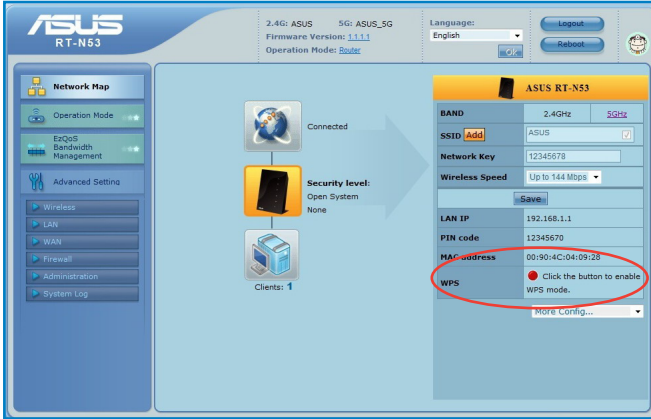
NOTES:

- Ensure that you use a wireless LAN adapter with WPS function on your network clients.
- Windows[®] operating systems and wireless LAN cards/adapters that support WPS:

OS Support	Wireless Adapter Support
Windows Vista 32/64 Windows 7 32/64 Windows 2008	ASUS/Intel wireless LAN card (except WL-167g and WL-160W) ASUS WL-167g v2 driver v.3.0.6.0 or later ASUS WL-160N/WL-130N driver v.2.0.0.0 or later
Windows XP SP2/SP3 Windows 2003 32-bit SP2/SP3	ASUS/Intel wireless LAN card (not support WL-167g and WL-160W) ASUS WL-167g v2 driver v.1.2.2.0 or later ASUS WL-160N/WL-130N driver v.1.0.4.0 or later
Windows XP/2003 64-bit Windows XP 32-bit SP1/ XP 32-bit Windows 2003 32-bit SP1 / 2003 32-bit Windows 2000 SP4	ASUS wireless LAN card with ASUS WLAN Utility ASUS WL-167g v2 driver v.1.2.2.0 or later ASUS WL-160N/WL-130N driver v.1.0.4.0 or later

To use WPS:

1. In the WPS field, click the red button to launch the WPS Wizard.



NOTE: You may also press the WPS button on your wireless router to launch the WPS Wizard.

2. Follow the onscreen instructions to complete the wireless network setup.

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. Key in 192.168.1.1 on your web browser.
2. On the login screen, key in the default user name (admin) and password (admin), then click OK. The wireless router's web GUI launches.
3. On the Network Map screen, select the System status icon to display the wireless security settings such as SSID, security level, and encryption settings.



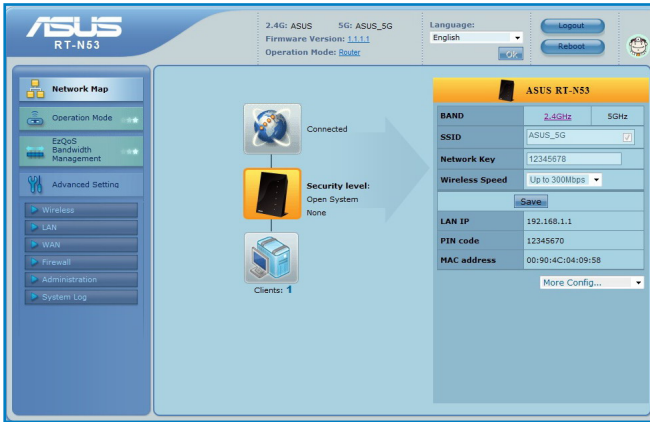
NOTE: You can set up different wireless security settings for 2.4GHz and 5GHz bands.

2.4GHz security settings

The screenshot displays the ASUS RT-N53 web management interface. The top navigation bar includes the ASUS logo, model number (RT-N53), and system information: 2.4G ASUS, SG ASUS_SG, Firmware Version: 1.1.1.1, and Operation Mode: Router. There are buttons for Language (English), Login, and Reboot. The main content area is divided into three sections:

- Network Map:** Shows a globe icon labeled 'Connected', a smartphone icon labeled 'Security level: Open System', and a server icon labeled 'None'. Below these is a 'Clients: 1' indicator.
- ASUS RT-N53 Settings Panel:**
 - BAND:** 2.4GHz (selected), 5GHz
 - SSID:** Add, ASUS
 - Network Key:** 12345678
 - Wireless Speed:** Up to 144 Mbps
 - LAN IP:** 192.168.1.1
 - PIN code:** 12345670
 - MAC address:** 00:90:4C:04:09:28
 - WPS:** Click the button to enable WPS mode.
 - Buttons:** Save, More Config...

5GHz security settings



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



IMPORTANT! The IEEE 802.11n 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.

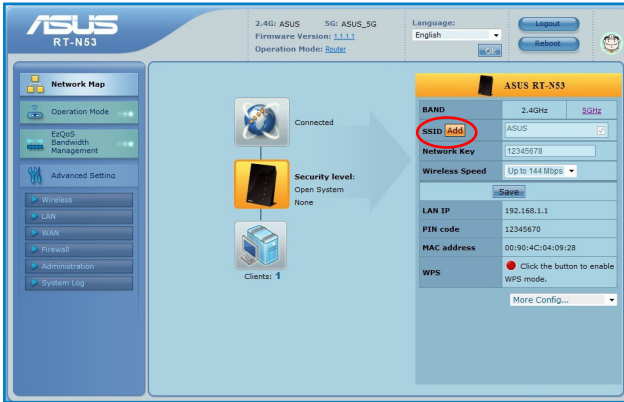
6. Key in your security passkey.
7. Click Apply when done.

Creating multiple SSID profiles

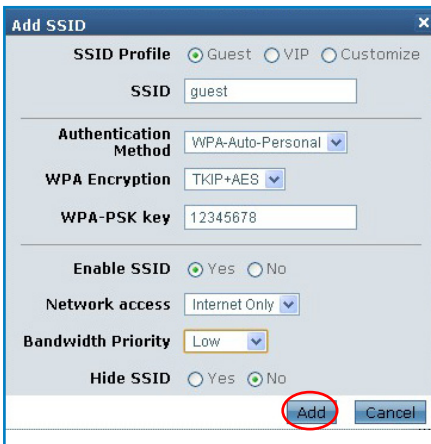
The wireless router allows you to create multiple SSID profile on 2.4GHz that meet various working scenarios.

To create an SSID profile:

1. Under System status, click Add.



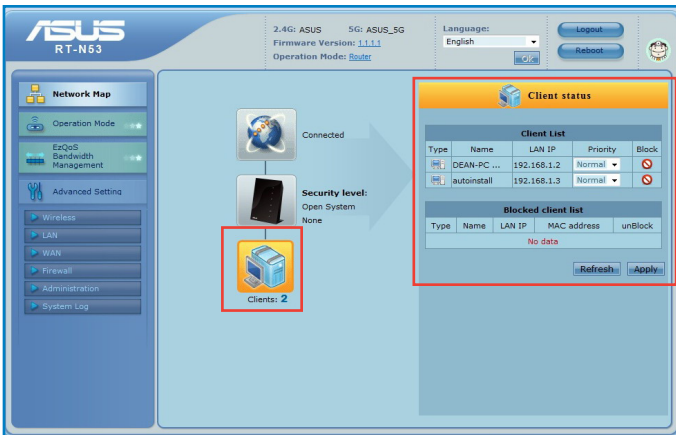
2. Configure the profile settings, then click Add.



Managing your network clients

To manage your network clients:

1. Launch the wireless router's web GUI.
2. On the Network Map screen, select the Client Status icon to display the information about your network clients.



3. In the Priority field under the Client List, you can set the priority packet for each client as Normal, High, or Low.



NOTE: You can also delete the priority settings from Advanced Setting > WAN > QoS tab.

4. To block a client's access to your network, select the client and click Block.

To restore a client's access to your network, select the client in the Blocked client list and click Unblock.

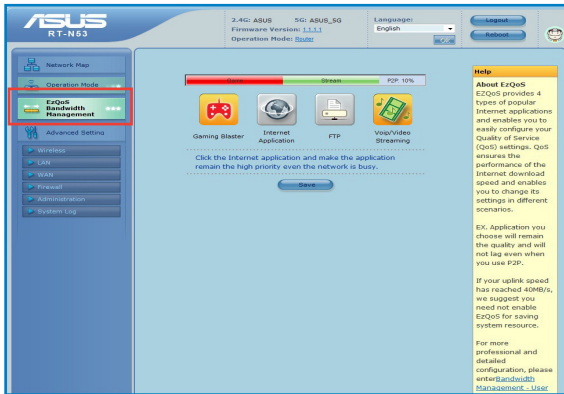


NOTE: You can also delete the MAC filter from Advanced Setting > Firewall > MAC Filter tab.





Managing EZQoS Bandwidth

EzQoS Bandwidth Management allows you to set the bandwidth priority and manage the network traffic. To set up the bandwidth priority:

1. Click EzQoS Bandwidth Management from the navigation menu at the left side of your screen.



2. Click each of these four applications to set the bandwidth priority:

Icon	Description
	Gaming Blaster The router handles gaming traffic at first priority.
	Internet Application The router handles the e-mail, web browsing and other Internet applications traffic at first priority.
	FTP The router handles at first priority the traffic of downloading/ uploading data to/from the FTP server.
	Voip/Video Streaming The router handles the audio/video traffic at first priority.

3. Click Save to save the configuration settings.

Configuring the Advanced settings

Advanced Setting allows you to configure the advanced features of your wireless router.



Setting up the DHCP Server

You may enable the DHCP Server function in your wireless router so your network clients can automatically obtain IP addresses from your wireless router.



NOTE: The ASUS Wireless Router can support up to 253 IP addresses for your network.

To set up the DHCP server:

1. Click Advanced Setting from the navigation menu at the left side of your screen.
2. Under the LAN menu, click DHCP Server.

LAN - DHCP Server	
RT-N53 supports up to 253 IP addresses for your local network. The IP address of a local machine can be assigned manually by the network administrator or obtained automatically from RT-N53 if the DHCP server is enabled.	
Enable the DHCP Server?	<input checked="" type="radio"/> Yes <input type="radio"/> No
RT-N53's Domain Name	<input type="text"/>
IP Pool Starting Address	<input type="text" value="192.168.1.2"/>
IP Pool Ending Address	<input type="text" value="192.168.1.254"/>
Lease Time	<input type="text" value="86400"/>
Default Gateway	<input type="text"/>

3. In the Enable the DHCP Server? field, tick Yes.
4. In the IP Pool Starting Address field, key in the starting IP address.
5. In the IP Pool Ending Address field, key in the ending IP address.
6. In the Lease Time field, key in the time that the IP addresses expire and the wireless router 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: 192.168.1.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 <http://www.asus.com>

To upgrade the firmware:

1. Click Advanced Setting from the navigation menu at the left side of your screen.
2. Under the Administration menu, click Firmware Upgrade.
3. In the New Firmware File field, click Browse to locate the new firmware on your computer.
4. Click Upload. The uploading process takes about three minutes.



NOTE: If the upgrade process fails, the wireless router 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. Click Advanced Setting from the navigation menu at the left side of your screen.



2. Under the Administration menu, click Restore/Save/Upload Setting.
3. Select the tasks that you want to do:
 - 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.

4 Using the utilities



NOTES:

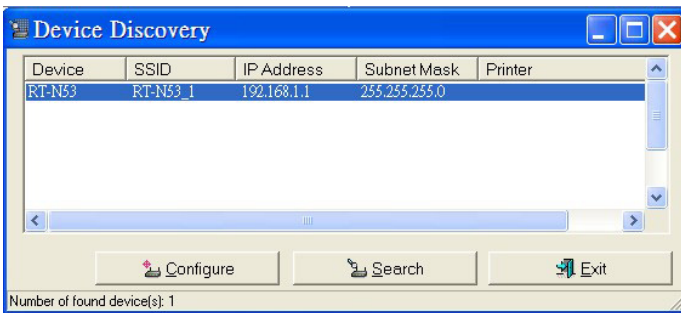
- Install the wireless router's utilities from the bundled support CD.
- If Autorun is disabled, run setup.exe from the root directory of the support CD.

Device Discovery

Device Discovery is an ASUS WLAN utility that detects an ASUS wireless router device, and enables you to configure the device.

To launch the Device Discovery utility:

- From your computer's desktop, click Start > All Programs > ASUS Utility > RT-N53 Wireless Router > Device Discovery.



NOTE: When you set the router to Access Point mode, you need to use Device Discovery to get the router's IP address.

Firmware Restoration

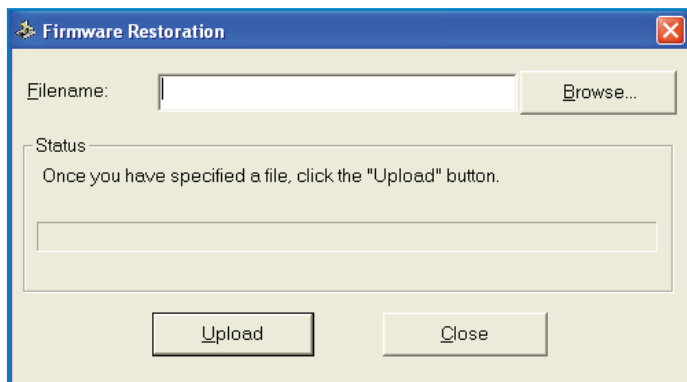
Firmware Restoration is used on an ASUS Wireless Router that failed during its firmware upgrading process. It uploads the firmware that you specify. The process takes about three to four minutes.



IMPORTANT: Launch the rescue mode before using the Firmware Restoration utility.

To launch the rescue mode and use the Firmware Restoration utility:

1. Unplug the wireless router from the power source.
2. Hold the Reset button at the back side and simultaneously press the power switch to power off the wireless router. Release the Reset button when the Power LED at the front panel flashes slowly, which indicates that the wireless router is in the rescue mode.
3. Use the following to set up your TCP/IP settings:
IP address: 192.168.1.x
Subnet mask: 255.255.255.0
4. From your computer's desktop, click Start > All Programs > ASUS Utility RT-N53 Wireless Router > Firmware Restoration.



5. Specify a firmware file, then click Upload.



NOTE: This is not a firmware upgrade utility and cannot be used on a working ASUS Wireless Router. Normal firmware upgrades must be done through the web interface. Refer to Chapter 3: Configuring via the web GUI for more details.

5 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:
 1. Launch your web browser, then 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 back side for more than five seconds.

Cannot find the router:

- Press the Reset button at the back side 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 wireless router.
- 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 wireless router.
- Check if the WAN LED on the wireless router 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 wireless router and re-configure the settings.
- Check if the WAN LED on the wireless router 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 back side of the wireless router for more than five seconds.

How to restore the system to its default settings?

- Press the Reset button at the back side of the wireless router 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:	192.168.1.1
Domain Name:	(Blank)
Subnet Mask:	255.255.255.0
DNS Server 1:	192.168.1.1
DNS Server 2:	(Blank)
SSID:	ASUS

ASUS DDNS Service

RT-N53 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 <http://csr.asus.com/english/Takeback.htm> 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 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 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



IMPORTANT! This device within the 5.15 ~ 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.

Industry Canada statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Caution:

The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

NOTE IMPORTANTE: (Pour l'utilisation de dispositifs mobiles)

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Avertissement:

Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

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- 2 has been conducted. These are considered relevant and sufficient.

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.

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Fax +492102959911
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Online contact www.asus.de/sales

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Telephone (System/Notebook/Eee/LCD) +491805010920*
Fax +492102959911
Online support support.asus.com

* 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	9:00-18:00	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	800-820-6655; 021-34074610	Simplified Chinese	9:00-18:00	Mon. to Sun.
Denmark	0045-3832-2943	Denish/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.
			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.
			9:00-17:00	Sat. to Sun.
Malaysia	+603 2148 0827 (Check Repair Detail Status Only) +603-6279-5077	Bahasa Melayu/ English	10:00-19:00	Mon. to Fri.
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.
Philippine	+632-636 8504; 180014410573	English	9:00-18:00	Mon. to Fri.
Poland	00225-718-033 00225-718-040	Polish	9:00-17:00	Mon. to Fri.
			8:30-17:30	
Portugal	707-500-310	Portuguese	9:00-17:00	Mon. to Fri.

Networks Global Hotline Information

Area	Hotline Number	Support Languages	Working Hour	Working Day
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) -66221701	English	11:00-19:00	Mon. to Fri.
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.
Switzerland	0041-848111010	German/French	9:00-18:00	Mon. to Fri.
	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) 9:00am- 6:00pm EST (6:00am- 3:00pm PST)	Mon. to Fri. Sat. to Sun.



NOTE: For more information, visit the ASUS support site at:
<http://support.asus.com>

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Authorised distributors in Turkey:	BOGAZICI BIL GISAYAR SAN. VETIC. A.S. Tel: +90 212 3311000 Address: AYAZAGA MAH. KEMERBURGAZ CAD. NO.10 AYAZAGA/ISTANBUL
	CIZGI Elektronik San. Tic. Ltd. Sti. Tel: +90 212 3567070 Address: CEMAL SURURI CD. HALIM MERIC IS MERKEZI No: 15/C D:5-6 34394 MECIDIYEKOY/ISTANBUL

EEE Yönetmeliğine Uygundur.