

RT-N10 ASUS Wireless EZ N Router



User Manual

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About this guide

This user guide contains information that you need to install and configure the ASUS Wireless Router.

How this guide is organized

This guide contains the following parts:

Chapter 1: Knowing your wireless router

This chapter provides information on the package contents, system requirements, hardware features, and LED indicators of the ASUS Wireless Router.

Chapter 2: Getting started

This chapter provides instructions on setting up the Router, Repeater, and Access Point (AP) modes of the ASUS Wireless Router.

Chapter 3: Configuring the network clients

This chapter provides instructions on setting up the clients in your network to work with your ASUS Wireless Router.

Chapter 4: Configuring via the web GUI

This chapter provides instructions on configuring the ASUS Wireless Router using its web graphics user interface (web GUI).

Chapter 5: Installing the utilities

This chapter provides information on the utilities that are available from the support CD.

Chapter 6: Troubleshooting

This chapter provides you with a troubleshooting guide for solving common problems you may encounter when using the ASUS Wireless Router.

Appendices

This chapter provides you with the regulatory Notices and Safety Statements.

Conventions used in this guide



WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Instructions that you MUST follow to complete a task.



NOTE: Tips and additional information to aid in completing a task.

Knowing your wireless router

Package contents

Check the following items in your ASUS Wireless Router package.

- RT-N10 Wireless Router x1
- Power adapter x1
- Support CD (manual, utilities) x1
- RJ45 cable x1
- Detachable antenna x1
- Quick Start Guide x1

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Note: If any of the items is damaged or missing, contact your retailer.

System requirements

Before installing the ASUS Wireless Router, ensure that your system/network meets the following requirements:

- An Ethernet RJ-45 port (10Base-T/100Base-TX)
- · At least one IEEE 802.11b/g/n device with wireless capability
- An installed TCP/IP and Internet browser

Before you proceed

Take note of the following guidelines before installing the ASUS Wireless Router:

- The length of the Ethernet cable that connects the device to the network (hub, ADSL/cable modem, router, wall patch) must not exceed 100 meters.
- Place the device on a flat and stable surface as far from the ground as possible.
- · Keep the device clear from metal obstructions and away from direct sunlight.
- Keep the device away from transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal loss.
- Install the device in a central area to provide ideal coverage for all wireless
 mobile devices.

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 Install the device at least 20cm from a person to insure that the product is operated in accordance with the RF Guidelines for Human Exposure adopted by the Federal Communications Commission.

Hardware features Front panel



Status indicators

LED	Status	Indication
() (Power)	Off	No power
	On	System ready
	Flashing-slow	Rescue mode
	Flashing-quick	WPS processing
AIR	Off	No power
	On	Wireless system ready
	Flashing	Transmitting or receiving data (wireless)
LAN 1-4 (Local	Off	No power or no physical connection
Area Network)	On	Has physical connection to an Ethernet network
	Flashing	Transmitting or receiving data (through Ethernet cable)
WAN (Wide	Off	No power or no physical connection
Area Network)	On	Has physical connection to an Ethernet network
	Flashing	Transmitting or receiving data (through Ethernet cable)

Rear panel



Label	Description
WAN	Connect an RJ-45 Ethernet cable to this port to establish WAN connection.
LAN1-LAN4	Connect RJ-45 Ethernet cables to these ports to establish LAN connection.
DC IN	Insert the AC adapter into this port to connect your router to a power source.
WPS	Press this button to launch the WPS wizard.
Restore	Press this button for more than five seconds to restore the system to its factory default settings.

Bottom panel



Item	Description
1	Mounting hooks
	Use the mounting hooks to mount your router on concrete or wooden surfaces using two round head screws.
2	Air vents
	These vents provide ventilation to your router.

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Note: For details on mounting your router on a wall or ceiling, refer to the section Mounting options on the next page of this user manual.

Mounting options

Out of the box, the ASUS Wireless Router is designed to sit on a raised flat surface like a file cabinet or book shelf. The unit may also be converted for mounting to a wall or ceiling.

To mount the ASUS Wireless Router:

- 1. Look on the underside for the two mounting hooks.
- 2. Mark two upper holes in a flat surface.
- 3. Tighten two screws until only 1/4" is showing.
- 4. Latch the hooks of the ASUS Wireless Router onto the screws.





Note: Re-adjust the screws if you cannot latch the ASUS Wireless Router onto the screws or if it is too loose.



Setting up the wireless router

The ASUS Wireless Router includes a web graphics user interface (web GUI) that allows you to configure the wireless router using your web browser on your computer.



Note: For details on configuring your wireless router using the web GUI, refer to Chapter 4: Configuring via the web GUI.

The web GUI integrates a Quick Internet Setup (QIS) function that detects the Internet connection type automatically and guides you through setting up a network quickly.

The QIS web page appears automatically after you connected your devices and launched the web browser. You may also launch the QIS from the Network Map on the web GUI. Refer to **Using the Network Map** in Chapter 4 of this user manual for details.



Note: We recommend that you use wired connection for initial configuration to avoid possible setup problems due to wireless uncertainty.

The RT-N10 supports three operation modes: Router (IP Sharing mode), Repeater, and Access Point (AP). Refer to the following sections on initially setting up an operation mode using the QIS.

Setting up the Router mode using the QIS

In the Router mode, the RT-N10 connects to WAN (Internet) by PPPoE, Automatic IP, PPTP, L2TP, or Static IP, and provides you with wireless radio. The NAT, firewall, and IP sharing services in LAN are enabled.

To set up the Router mode using the QIS:

1. Connect your devices.



2. Launch the web browser and the QIS web page appears automatically. Choose the Router mode, then click **Next**.

Note: If the QIS web page does not appear after you launched the web browser, disable the proxy settings of the web browser.



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Then the QIS starts to detect your Internet connection type.

الله Start to d Detecting detection	etect your connection rat 1 times, the maxin is 20 seconds.	type num time of
		Skip to manual settin

- Note: The PPPoE Internet connection type is used in this setup case.
- 3. Key in the user name and password. Click Apply all settings.



Note: The above setup screen varies with different Internet connection types.

- 4. The Internet connection setup is completed.
 - Click Going to Internet to go to your home page.

 Click Simply Wireless Security Setting to configure basic security settings including the SSID, authentication and encryption methods, and security key for the ASUS Wireless Router.

 Click Advanced Setting page to manually configure advanced settings for the ASUS Wireless Router.

Setting up the Repeater mode using the QIS

In the Repeater mode, the RT-N10 extends your wireless network and provides you with higher quality wireless radio. The NAT, firewall, and IP sharing services are disabled.

To set up the Repeater mode using the QIS:

1. Connect your devices.



2. Launch the web browser and the QIS web page appears automatically. Choose the Repeater mode, then click **Next**.



Note: If the QIS web page does not appear after you launched the web browser, disable the proxy settings of the web browser.

3. Select the AP whose wireless signal you want to extend, then click Connect.

Setting up the AP mode using the QIS

In the AP mode, the RT-N10 receives the WAN IP address from the router connected to the WAN port and provides you with wireless radio. The NAT, firewall, and IP sharing services are disabled.

To set up the AP mode using the QIS:

1. Connect your devices.



2. Launch the web browser and the QIS web page appears automatically. Choose the AP mode, then click **Next**.



Note: If the QIS web page does not appear after you launched the web browser, disable the proxy settings of the web browser.

3. Configure the wireless security settings including the SSID, authentication and encryption methods. Click **Finish**.



Accessing the wireless router

Setting an IP address for wired or wireless clients

To access the ASUS Wireless Router, you must have the correct TCP/IP settings on your wired or wireless clients. Ensure that the clients' IP addresses are within the same subnet as the ASUS Wireless Router.

By default, the ASUS Wireless Router integrates the DHCP server function, which automatically assigns IP addresses to the clients in your network.

But in some instances, you may want to manually assign static IP addresses on some of the clients or computers in your network rather than automatically getting IP addresses from your wireless router.

Follow the instructions below that correspond to the operating system installed on your client or computer.



Note: In the Router mode, if you want to manually assign an IP address to your client, we recommend that you use the following settings:

- IP address: 192.168.1.xxx (xxx can be any number between 2 and 254. Ensure that the IP address is not used by another device)
- · Subnet Mask: 255.255.255.0 (same as the ASUS Wireless Router)
- · Gateway: 192.168.1.1 (IP address of the ASUS Wireless Router)
- DNS: 192.168.1.1 (ASUS Wireless Router) or assign a known DNS server in your network

Windows® 9x/ME

- Click Start > Control Panel > Network to display the Network setup window.
- 2. Select **TCP/IP** then click **Properties**.

Network ?X
Configuration Identification Access Control
· · · ·
The following network components are installed:
🚐 Microsoft Family Logon 📃 📃
B Dial-Up Adapter
Bealtek RTL8139(A/B/C/8130) PCI Fast Ethernet NIC
3 TUP/IP -> Dial-Up Adapter 2 TOP //P -> Dial-Up Adapter
TUP/IP → Realter RTL8139(A/B/U/8130) PUTFast Ether
Add Remove Properties
Primary Network Logon:
Microsoft Family Logon
Eile and Print Sharing
Description
TCP/IP is the protocol you use to connect to the Internet and
wide-area networks.
OK Cancel

 If you want your computer to automatically obtain an IP address, click Obtain an IP address automatically then click OK. Otherwise, click Specify an IP address, then key in the IP address and Subnet Mask.

TCP/IP Properties		? ×
Bindings DNS Configuration	Advanced Gateway WINS Confi	NetBIOS guration IP Address
An IP address can If your network doe your network admi the space below.	be automatically assigned is not automatically assign istrator for an address, ar	d to this computer. n IP addresses, ask nd then type it in
Obtain an IP	address automatically	
C Specify an IP	address:	
	k:	
	OK	Cancel

4. Select the **Gateway** tab, and key in **New gateway** then click **Add**.

TCP/IP Properties		? ×
Bindings DNS Configuration	Advanced Gateway WINS Conf	NetBIOS
The first gateway i The address order machines are used	n the Installed Gateway li in the list will be the orde d.	st will be the default. r in which these
New gateway:		<u>a</u>
Installed gateway	ys:	ve
	0	< Cancel

- 5. Select the DNS configuration tab and click Enable DNS. Key in Host, Domain, and DNS Server Search Order, then click Add.
- 6. Click OK.

TCP/IP Properties				? ×
Bindings DNS Configuration	Adva Gateway	anced WINS Confi	Ne guration	etBIOS IP Address
Disable DNS <u>Enable DNS</u>				
Host		D <u>o</u> main:		
DNS Server Sea	ch Order —		Add	
		B	emove	
Domain Suffix Se	arch Order•	_	A	
		R	elliove	
		OK		Cancel

Windows® NT4.0

- Go to Control Panel > Network to display the Network setup window then select the Protocols tab.
- 2. Select **TCP/IP Protocol** from the Network Protocols list then click **Properties**.

twork
dentification Services Protocols Adapters Bindings
Network Protocols:
ST NetBEUI Protocol ST NVLink IPX/SPX Compatible Transport ST NVLink NetBIOS ST TCP/IP Protocol
Add <u>Remove</u> Properties <u>Update</u>
area network protocolar internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Crossel
UK Cancer

- 3. From the IP Address tab of the Microsoft TCP/IP Properties window, you can:
 - Select the type of network adapter installed in your system.
 - Set the router to assign IP address automatically.
 - Manually set up the IP address, subnet mask, and default gateway.

Microsoft TCP/IP Properties ?X
IP Address DNS WINS Address DHCP Relay Routing
An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.
Adagter: [1] Realtek RTL8133/810x Family Fast Ethernet NIC © Obtain an IP address from a DHCP server
C Specify an IP address
[P Address:
Subnet Mask:
Default <u>G</u> ateway:
Advanced
OK Cancel Apply

4. Select the DNS tab then click Add under the DNS Service Search Order and key in DNS.

IP Address DNS WINS Address DHCP Relay Routing	.,
Domain Name System (DNS)	
Host Name: Domain:	
DNS Service Search Order	
<u>U</u> eî	
Doynt	
Add Edit Remove	
Mud	
Domain Suffix Search Order	
Upt	
Dow <u>n</u> ,	
Add Eaft Perman	
Hellove	
OK Cancel Apply	1

Windows® 2000

1. Click Start > Control Panel > Network and Dial-up Connection. Right-click Local Area Connection then click Properties.

ocal Area Connection I	Properties	? ×
General		
Connect using:		
SiS 900-Based P	CI Fast Ethernet Adap	pter
Components checked :	are used by this conne	
Elient for Micros Elient for Micros Elie and Printer Internet Protoce	soft Networks Sharing for Microsoft In (TCP/IP)	Networks
Install	<u>U</u> ninstall	Properties
Description		
Transmission Control wide area network p across diverse interc	Protocol/Internet Pro rotocol that provides o onnected networks.	tocol. The default communication
Sho <u>w</u> icon in taskb	ar when connected	
		JK Cancel

- 2. Select Internet Protocol (TCP/IP), then click Properties.
- Select Obtain an IP address automatically if you want the IP settings to be assigned automatically. Otherwise, select Use the following IP address: and key in IP address, Subnet mask, and Default gateway.
- Select Obtain DNS server address automatically if you want the DNS server settings to be assigned automatically. Otherwise, select Use the following DNS server addresses: and key in the Preferred and Alternate DNS server.

u ou can get IP settings assigned is capability. Otherwise, you ne annorniate IP settings	d automatically if your network supports sed to ask your network administrator for
 Obtain an IP address autor 	natically
C Use the following IP addre	\$8:
IP address:	
Default gateway	
C Obbin DNC commendation	e erdemedieelle
C Use the following DNS ser	ver addresses:
Ereferred DNS server.	
Alternate DNS server:	
	,
	Ad <u>v</u> anced

5. Click OK when done.

Windows® XP

1. Click Start > Control Panel > Network Connection. Right-click Local Area Connection then select Properties.



- 2. Select Internet Protocol (TCP/IP), then click Properties.
- Select Obtain an IP address automatically if you want the IP settings to be assigned automatically. Otherwise, select Use the following IP address: and key in IP address, Subnet mask, and Default gateway.
- 4. Select Obtain DNS server address automatically if you want the DNS server settings to be assigned automatically. Otherwise, select Use the following DNS server addresses: and key in the Preferred and Alternate DNS server.
- 5. Click OK when done.

neral Alternate Configuration	
u can get IP settings assigned au is capability. Otherwise, you need e appropriate IP settings.	utomatically if your network supports to ask your network administrator for
Obtain an IP address automati	ically
◯ Use the following IP address:	
IP address:	
Subnet mask:	
Default gateway:	
Obtain DNS server address au	utomatically
OUse the following DNS server	addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced

Windows® Vista

1. Go to Start > Control Panel > Network and Internet > Network and Sharing Center. Click View status > Properties > Continue.

- Select Internet Protocol Version 4 (TCP/IPv4), then click Properties.
- Select Obtain an IP address automatically if you want the IP settings to be assigned automatically. Otherwise, select Use the following IP address: and key in IP address and Subnet mask.
- 4. Select Obtain DNS server address automatically if you want the DNS server settings to be assigned automatically. Otherwise, select Use the following DNS server addresses: and key in the Preferred and Alternate DNS server.
- 5. Click OK when done.

onnect using:	
🔮 Realtek RTL8	8168B/8111B Family PCI-E Gigabit Ethernet
	Configure
his connection use	s the following items:
Client for Mi	icrosoft Networks
QoS Packe	t Scheduler
🗹 🚚 File and Prin	nter Sharing for Microsoft Networks
A Internet Pro	tocol Version 6 (TCP/IPv6)
 Internet Pro Internet Pro 	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4)
Internet Pro Internet Pro Internet Pro Internet Pro Internet Pro	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Topology Discovery Mapper I/O Driver
Internet Pro	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Topology Discovery Mapper I/O Driver Topology Discovery Responder
Internet Pro Internet Pro Internet Pro Ink-Layer Ink-Layer	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Topology Discovery Mapper I/O Driver Topology Discovery Responder
A Internet Pro A Internet Pro A Internet Pro A Link-Layer A Link-Layer	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Topology Discovery Mapper I/O Driver Topology Discovery Responder
Internet Pro I	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv4) Topology Discovery Mapper I/O Driver Topology Discovery Responder Uninstall Properties
Internet Pro I	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv6) Topology Discovery Mapper I/D Driver Topology Discovery Responder
Internet Pro Internet Pro Link-Layer Link-Layer Install Description Transmission Cont wide area network	tocol Version 6 (TCP/IPv6) tocol Version 4 (TCP/IPv6) Topology Discovery Mapper I/O Driver Topology Discovery Responder Uninstall Properties trol Protocol/Internet Protocol. The default c protocol that provides communication

ieneral	Alternate Configuration					
You car this cap for the	get IP settings assigned ability. Otherwise, you ne appropriate IP settings.	automaticali ed to ask yo	y if yo our ne	our ne twor	etwork k admir	supports iistrator
0	otain an IP address autom	atically				
O Us	e the following IP address	:				
IP ac	idress:		÷)	4		
Sybr	iet mask:				2	
Defa	ult gateway:	192	. 168	. 1	- 1	
0	tain DNS server address	automatically	,			
O Us	e the following DNS serve	r addresses	-			
Prefe	erred DNS server:	1	2	Gar I.	4	
<u>A</u> lter	nate DNS server:					
					Ady	anced
					_	
				OK		Cancel

Configuring via the web GUI

Configuring via the web GUI

The router's web graphics user interface (web GUI) allows you to configure these features: **Network Map** and **EZQoS Bandwidth Management**.

To access the web GUI:

- 1. In the Router mode, launch a web browser, then key in the router's default IP address (192.168.1.1). The login page of the router's web GUI appears.
- 2. On the login page, key in the default user name (**admin**) and password (**admin**).

Connect to 192	.168.1.1	? 🛛
R		G
RT-N13U User name: Password:	Remember n	▼ ny password
	0	K Cancel

L

Note: In the Repeater and AP modes, use Device Discovery included in the support CD to find the router's IP address.

3. From the main page, click the navigation menu or links to configure the various features of the ASUS Wireless Router.

RT-N13U	SSID: ASUS Firmware Version: <u>100.4</u> Operation Mode: <u>Boxer</u>	Langua English	ge:	Logout Reboot
Network Map			1	ASUS RT-N13U
Operation Mode			Wireless name(SSID)	ASUS
AiDisk	Connected		Authentication Method:	Open System 💌
EzQoS	ASUS PT-N13U		WEP Encryption:	None
Bandwidth Management	SSID: ASUS		Wireless radio	⊙on ○off
Advanced Setting	System			Apply
00			LAN IP	192.168.1.1
Wireless	Multi Flash		PIN code	12345670
LAN	Reader		MAC address	00:0C:43:41:46:26
USB Application	Clients: 2 50MB / 0.82GB		EZSetup	Click the button to enable WPS mode.
Administration				More Config 💌
System Log				

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, or to quickly set up your Local Area Network (LAN) using the WPS Wizard.



Note: For more details on WPS, refer to the section WPS Wizard in Chapter 5 of this user manual.

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

lcon	Description
	Internet status 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.
	System status Click this icon to display information on the SSID, authentication method, WEP encryption, LAN IP, PIN code, MAC address, or turn the wireless radio on/off. Launch the WPS wizard from the System status screen.

lcon	Description
	Client status Click this icon to display information about the clients or computers in the network, and allows you to block/unblock a client.

Using the Quick Internet Setup (QIS) again

The Quick Internet Setup (QIS) web page appears automatically after you connected your devices and launched the web browser.

You may also click GO in the QIS field under Internet status to launch the QIS.



Creating multiple SSID profiles

The RT-N10 allows you to create multiple SSID profiles that meet various working scenarios.

To create a SSID profile:

- 1. Under System status, click Add SSID.
- 2. Configure the profile settings, then click Add.

3. Click **Apply all setting** to save the new settings.

Managing bandwidth with EzQoS

EzQoS Bandwidth Management enables 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:

lcon	Description
	Gaming Blaster
6-9	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.

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.

Wetwork Map Wireless LAN WAN USB Application Configure your wireless Configure your wireless Configure the internet connection, executive, and other advanced parameters. Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Configure the internet scenerotion, QoS, and Savery our files in LAN IP Internet Connection Port Trigger WAN Professional Port Trigger Miscellaneous setting Miscellaneous setting Port Trigger Miscellaneous setting System Log System Log Miscellaneous setting	RT-N13U	SS Fil Op	ID: ASUS rmware Version: <u>1.0.0.4</u> peration Mode: <u>Router</u>	Language: English	Reboot
Configure tail (Advice and String) Configure (LA), dipo, and configure	Retwork Map	Wireless	LAN	WAN	USB Application
ADisk ADisk VFG VFG VFG VFG VFG Portga Disk VFG Portga Port Trigger VFG Portga Disk VFG Portga Disk Portga Disk VFG Portga Disk VFG Portga Disk VFG Portga Disk Disk VFG Portga Disk Disk VFG Portga Portga Disk VFG Portga Portga Disk VFG Portga Portga Portga Disk VFG Portga Disk VFG Portga	Operation Mode	Configure your wireless connection, security, and other advanced parameters.	Configure LAN, dhcp, and route settings.	Configure the Internet connection, QoS, and Server setting.	Configure the USB device and share your files in LAN or WAN.
With Advanced Setting Firewall Administration System Log Configure the firewall and filter mechanisms to protect your network. Configure the system and upgrade the firmware of RT- your network. Monkor the status and various system logs. W ANI - General UBL Filter - System - KAC, Filter - General Log - Bottor, System - Restore/SavyDipload - Office Heases Wireless Log - Pact Forwarding	AiDisk E2QoS Bandwidth Management	 General WPS Bridge Wireless MAC Filter RADIUS Setting Professional 	LAN IP DHCP Server Route	 Internet Connection QoS Port Trigger Virtual Server DMS 	 FTP Share Miscellaneous setting
Monitors Configure the fremail and fiber mechanisms to protect your network. Configure the system and Monitor the status and yours system logs. LAN General System General USB Application Hear Strimaru Ugrade Otherases MAN LAN to WAN Filter Restors/Serv/pload Wherearu Ugrade	M Advanced Setting	Firewall	Administration	System Log	
WAN General System General log UBS Application UBL Filter Firmware Upgrade OTCP Leases MAC Filter Restor/Sec/Upload Wreless log OtceFundation Science LAN to WAI Filter String Part Franking	Wireless	Configure the firewall and filter mechanisms to protect your network.	Configure the system and upgrade the firmware of RT- N13U.	Monitor the status and various system logs.	
Administration System Log	WAN USB Application Firewall Administration System Log	 General URL Filter MAC Filter LAN to WAN Filter 	 System Firmware Upgrade Restore/Save/Upload Setting 	 General Log DHCP leases Wireless Log Port Forwarding Routing Table 	

- 2. Under the Administration menu, click Firmware Upgrade.
- 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. For more details on this utility, refer to the section Firmware Restoration in Chapter 5 of this user manual.

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