ASUS

Broad range wireless family router

RT-G32

User's Manual

Table of Contents

Logging on to the Wireless Router 2
Wireless Router Configuration
Network Map3
Internet Status
System Status 4
Client Status
Advanced Setup
Wireless
General7
WPS
Wireless MAC Filter8
Professional9
LAN
LAN IP
DHCP Server11
Route
WAN13
Internet Connection13
Port Trigger14
Virtual Server15
DMZ16
DDNS
Firewall
General
URL Filter18
MAC Filter
LAN to WAN Filter 19
Administration
System
Firmware Upgrade21
Restore/Save/Upload Setting
System Log
General Log
Routing Table

Logging on to the Wireless Router

1. In your web browser, enter this IP address: <u>http://192.168.1.1</u>

http://192.168.1.1/ - Windows Internet Explo	prer	
ⓒ	🗸 😽 🗙 Live Search	۰ ۹
🙀 🏟 🔘 http://192.168.1.1/	👘 🔹 📾 🔹 📑 🕈 🔂 Page	e 🕶 🔘 Tools 💌 🎽

2. Enter the default User name & Password → admin & admin

onnect to 192.1	58.1.1	
The server 192.1	68.1.1 at WebServer re	quires a username
User name:	🖸 admin	•
Password:	••••	
	Remember my p	assword
	ОК	Cancel

3. The RT-G32 home page appears. The home page display quick links to help you easily configure the features in the wireless router.

ASUS Wireless Router WL-Model Name - Network Map - Windows Inte	ernet Explorer		
G C * Mttp://192168.1.1/index.htm		• • *	Live Search 🖉 •
🚖 🕸 💋 ASUS Wireless Router WL-Model Name - Networ		\$h = 1	🖸 🔹 🖶 🔹 🔂 Eage 🔹 🍈 Tgols 🔹 "
RT-G32	Time: <u>17:58:31</u> SSID: RT-G32 Firmware Version: <u>RT-G32_v0.1</u>	Language: English •	Logout Reboot
Advanced Setting		Wireless name(SSID)	RT-G32
Wireless	22	Authentication Hethod:	WPA2-Personal
le LAN		WPA Encryption:	AES ·
P WAN	SSID: RT-G32 Security level: WPA2-	WPA-PSK key	1111111122
Administration	Personal	Wireless radio	® on € off
System Log			Apply
		LAN IP	192.168.1.1
		PIN code	22564696
	Wired Clients: 2	MAC address	00:18:F3:E1:10:13
	Wireless Clients: 0	EZSetup	•
			More Config •
		2008 ASUSTek C	omputer Inc. All rights reserved.
Done		Internet Protected M	lode: On 🔍 100% 💌

Wireless Router Configuration

Using the preinstalled Wireless Router Web-Based Controller, you can easily access the quick links and make the necessary configurations. This will make it easy for you to manage and monitor the wireless router and the network devices connected to it.

Network Map

Internet Status

This page allows you to view current connection status, WAN IP, DNS, Connection type, and Gateway status. Click "**GO**" at Quick Internet Setup wizard, you can easily to configure Internet setup.



System Status

This page is to view the Wireless system status or configuration.

RT-G32	Time: <u>17:55:15</u> SSID: RT-G32 Firmwore Version: <u>RT-G32_v6.1</u>	Language: English •	Reboot C
Network Map		Wireless name(SSID) Authentication Method:	System status RT-032 WPA2-Personal
S san S mán S reann	SSID: RT-G32 Security level: WPA2-	WPA Encryption WPA-PSK key	AES •
De autoronativation De System Log	Personal	Wireless radio	on off Apple: 192.160.1.1
		PIN code	22564696
	Wireless Clients: 0	EZSctup	90:18:F3:E1:10:13
			More Config.

Wireless Name (SSID): Assign an identification string of up to 32 characters for your wireless connection.

Authentication Method: This field enables the authentication methods for wireless clients.

WPA Encryption: Enable WPA encryption to encrypt data.

WPA-PSK Key: This field requires a password of 8 to 63 characters to start the encryption process. If you leave this field blank, the default [00000000] will be assigned as your password.

Wireless Radio: To enable wireless radio or disable.

LAN IP: Current connected LAN IP address

PIN Code: WPS PIN Code

MAC Address: Current connected MAC address

EZSetup: WPS connection button

More Config: For more configuration, click the drag down list, there have Wireless-General, WPS, LAN IP, DHCP Server, Route, and General Log options.

Client Status

This page allows you to view the new client lists and new blocked client lists.

RT-G32	Timie: <u>17:39:39</u> SSID: RT-G32 Firmware Version: <u>81-G32-30</u> .	Language: English		Reboot	9
Retwork Map			Client stat	ux	
Advanced Setting	SSID: RT-G32	Type Name	New Client List LAN (P (192.168.1.3 192.168.1.2	Priority Normal • Normal •	Block O
Contraction Contraction Contraction Contraction	Security level: WPA2- Personal	Ne Type Name L	w Blocked client AN IP MAC ad No data	list dress ur	Block
	Wireless Clients: 0			- Kafreah	Apply

Advanced Setup

In this advanced setup, you can overview the complete RT-G32 router functions. There have "Wireless", "LAN", "WAN", "Firewall", "Administration", and "System Log" sections. You can simply click each function to do the further configuration in the advanced setup page.

RT-G32	Time: 1211 SSID: RT-C Firmware	19 <u>107</u> 332 Version: <u>RT-G32_49.1</u>	Language: English	Reboot
Network Map Metwork Map Metwork Setting Werenet Water Metwork	Wireless Configure your wireless connection, security, and other advanced parameters • General • Wrate • Wrate • Wrates • Wrates	LAN LAN Configure LAN, dhcp, and route settings. • LAN IP • DHCP Server • Rande System Log Monitor the status and vernous system logs. • Randing Table	WAN Configure the Internet connection, QoS, and Server setting. • Internet Connection • Port Trigger • Port Trigger • DONS	Firewall Coofigure the firewall and filter mechanisms to protect your network. • General • Stat Filter • LAN to WAN Filter

Wireless

Configure your wireless connection, security, and other advanced parameters.

General

RT-G32	SSID: RT	-G32 e Versioni <u>AT-G32_v0.1</u>	English • Rebook	
Hetwork Hap	General WDS Windows	HAC Tiller Pesfess	Sonal	
Advanced Setting		Wireless - G	eneral	
> Wireless	990	RT-032		
A LAN	Hide 6510	TYES # No		
WAN IN THE REAL PROPERTY OF	Charcel	auto •		
Advantures .	Weeless Mode	Auto • 🗐 54g Pro	Aection .	
System Log	Autoentration Method:	Open System 🔹		
	WPA Encoption.	noer -		
	WPA Pre-Dhared Key,	f.		
	WEP ENDYMON	None •		
	www.maex.	(H -)		
	WEP Key 1	ſ.		
	WEP Key 2	R.		
	WEP Key 3	1		
	WEP Key 4	r		
	ADUS Passervase	1		
	Hatwork Key Rolaton Internat			
			-44	oly

This page allows user to configure basic wireless settings.

SSID: Assign an identification string of up to 32 characters for your wireless connection.

Hide SSID: If [YES] is selected, your SSID does not show in site surveys by wireless mobile clients and they can only connect to your ASUS Wireless Router with your SSID of AP. **Channel**: The radio channel for wireless connection operation.

Wireless Mode: This field indicates the 802.11g interface mode. Select [Auto] to allow the connection to the ASUS Wireless Router of 802.11g and 802.11b wireless mobile clients. Select [54g]to maximize performance, but disconnect 802.11b clients. Select [54g Protection] to enable G-Mode protection for 802.11g traffic automatically in the presence of 11b traffic.

Authentication Method: This field enables the authentication methods for wireless clients. WPA Encryption: Enable WPA Encryption to encrypt data.

WPA Pre-Shared Key: This field requires a password of 8 to 63 characters to start the encryption process. If you leave this field blank, the default [00000000] will be assigned as your password.

WEP Encryption: Enable WEP Encryption to encrypt data.

Key Index: Set the WEP key to transmit data on your wireless.

WEP Key 1~4: Only valid when using WEP encryption algorithm. The key must match with the AP's Key.

ASUS Passphrase: Select [WEP-64bits] or [WEP-128bits] in WEP encryption field to

generate four WEP keys automatically.

Network Key Rotation Interval: This field specifies the interval (in seconds) after which a WPA group key is changed. Enter [0] (zero) to indicate that a periodic key-change is not required.

WPS

WPS (Wi-Fi Protected Setup) provides easy and secure establishment of a wireless network. You can configured WPS here via the by PIN code method.

ASUS RT-G32		Time: <u>00:18:20</u> SSID: RT-G32 Firmware Version: <u>RT</u> -	G32_V0.1	Languages English •	Rebost	0
Hetwork Hap	General	VIreless MAC Filter	Professional	1		
Advanced Setting		1	Wireless - WPS	1		0
Vireless		WPS (WI-FI Protected Setup) provide network. You can configured WPS h	es easy and secur ere via the by PIN	re establishment of a wirely code method.	455	
S mAN		Enablevites	disabled			
P houri		APPPH CORE	0000000			
- Administration		Chem PPT Code	00000000			
D STORATED				Con	mette	
	1					

Enable WPS: Selecting **Yes** allows Wi-Fi Protected Setup (WPS) to simplify the process of connecting any device to the wireless network. WPS support the authentication of Open system, Share key, WPA-Personal, WPA2-Personal. Not support WPA-Enterprise, WPA2-Enterprise and Radius.

AP PIN Code: Remember the PIN code of AP (the same as PIN code in the bottom of RT-G32). Input this PIN code in client's WPS utility and utility will configure the wireless security setting of RT-G32.

Client PIN Code: Key in an eight-digit number for the PIN code.

Wireless MAC Filter

Wireless MAC filter allows you to control packets from devices with specified MAC address in your Wireless LAN.

ASUS RT-G32	Time: 00:21:29 SSID: RT-032 Firmware Version: <u>BT-022_v0.1</u>	Asbeet
Advanced Setting	Coneral WPS Windless MAC Filter Professional Windless MAC Filter	0
Vireless AH Vich Chreat Chreat Chreat	Wretess INAC Inter allows you to control packets from devices with speched MAC address in your Wireless LAN.	
System (Lig	MAC: Titler But	
	Apply	

MAC Filter Mode: In Accept mode, RT-G32 only accepts clients with MAC address in the list. In Reject mode, RT-G32 will reject clients with MAC address in the list.

MAC Address: Enter the complete MAC address which contains 12 hexadecimal letters.

Professional

Wireless Professional Setting allows you to set up additional parameters for wireless. But default values are recommended.

/ISLIS RT-G32	Time: 00:21:49 SSID: RT-G22 Firmware Ver	Non: <u>87-011 v0-1</u>	Language: English	tepost C
Hetwork Hap	General WPS Wirelass MAC	Professiona	<u> </u>	
M Advanced Setting		Wireless - Profess	ional	
Wireless	Wireless Professional Setting allows you to	set up additional paramet	ers for wireless. But default va	lues are recommended.
P JAN	Enable Radi/7	∉ Yes ⊜No		
	Date to Enable Radio	Sun DMon DTue	🗆 Wed 🖾 Thu 🖾 Fn 🖾 Sat	
Administration	Time of Day to Enable Radia	00 00 . 23	59	
Cystem Log	Data Rate(Mope)	Auto 🔹		
	Fragmentation Threatedd	2346		
	Still Devalue	2348		
	OTTHE Interval	1		
	Bracon Interval	100		
				Apply

Enable Radio?: Select [Yes] to enable Radio function.

Date to Enable Radio: This field defines the dates that wireless function is enabled.

Time of Day to Enable Radio: This field defines the time interval that wireless function is enabled.

Time of Day to Enable Radio: This field defines the time interval that wireless function is enabled.

Data Rate (Mbps): This field allows you to select the transmission rate. [Auto] is recommended to maximize performance.

Fragmentation Threshold: Fragmentation Threshold sets the frame size of incoming messages (ranging from 256 to 2346 bytes) used as fragmentation boundary. If the frame size is too big, the heavy interference affects transmission reliability. If the frame size is too small, it decreases transmission efficiency.

RTS Threshold: Lower the signal RTS (Request To Send) to promote the transmission efficiency in condition of noisy environment or too many clients.

DTIM Interval: DTIM (Delivery Traffic Indication Message) is included in Beacon packet. The DTIM Interval (1-255) means the period of time to wake up wireless clients from Sleep Mode. The default value is 1.

Beacon Interval: Beacon Interval means the period of time between one beacon and the next one. The default value is 100 (the unit is millisecond, or 1/1000 second). Lower the Beacon Interval to improve transmission performance in unstable environment or for roaming clients, but it will be power consuming.

LAN

Configure LAN, DHCP, and Route settings.

LAN IP

Configure the LAN IP of RT-G32. The DHCP Server dynamically changes the IP pool when you change the LAN IP.

/ISUS RT-G32	Time: 00 SSID: RT- Firmwars	<u>22:40</u> G32 • Version: <u>81-G32, v0,1</u>	English	Legend Heboot
Retwork Map	LAN IP Discrission	al e		
Advanced Setting		EAN-LAN	P	(
S marten	Configure the LAN IP of WL500gP V2	The DHCP Server dynamically	r changes the IP pool when you	u change the LAN IP.
D LAN	IP.Addama.	192.160.1.1		
9 mile	Tubbel Mark	255 255 255 0		
Administration (1			Apply
System Log	1. Mar.			

IP Address: The LAN IP address of RT-G32. The Default value is 192.168.1.1. **Subnet Mask:** The LAN subnet mask of RT-G32. The Default value is 255.255.255.0

DHCP Server

RT-G32 supports up to 253 IP address for your local network. The IP address of a local machine can be is assigned manually by the network administrator or obtained automatically from RT-G32 if the DHCP server is enabled.

RT-G32	Time: <u>00:03-24</u> SSID: RT-G32 Firmware Versine: <u>RT-G32</u>	Language: English · ·	
Network Map	DHCP Server Route		
Advanced Setting	RT-G32 supports up to 253 IP addresse machine can be is assigned manually b automatically from RT-G32 if the DHCP	DHCP Server is for your local network. The IP address of a local by the network administrator or obtained server is enabled.	
	Enable the OHOP Server?	⊙Yes ONo RT-032	
de d'anna ang	P Poul Shuting Address	192 158 1 10	
	IF Feol Ending Address Lease Time	192.168.1.100	
	Default Gileway	192.158.1.1	p.
	DHOP and Wird Server Setting DHOPs # address	11.11.11.11	
	WINS Sever	22,72,22,22	2
	Manually Assigned IP around the DHCP Enable Manual Assignment?	O Yes O No	
	MAC Address	IP AG3835	
		Delete	
		Apply	

Enable the DHCP Server?: DHCP server administers and assigns IP addresses for LAN clients automatically.

RT-G32's Domain Name: The Domain Name for client who requests IP address from the DHCP server.

IP Pool Starting Address: The first address in the pool to be assigned by the DHCP server in LAN.

IP Pool Ending Address: This field indicates the last address in the pool to be assigned by the DHCP server in LAN.

Lease Time: The amount of connection time with the current dynamic IP address.

Default Gateway: This field indicates the IP address of gateway in your LAN.

DHCP's IP address: This field indicates the IP address of DNS to provide to clients that request IP address from DHCP server.

WINS Server: The Windows Internet Naming Service manages interaction of each PC with the Internet. If you use a WINS server, enter IP address of server here.

Enable Manual Assignment?: Enable this function to assign static IP address by manually. **MAC Address:** Enter the MAC Address of each DHCP client.

IP Address: Assign an IP address for each DHCP client. The IP address should comply with the DHCP address pool you specified. The DHCP address pool contains the range of the IP address that will automatically be assigned to the clients on the network.

Route

This function allows you to add routing rules into RT-G32. It is useful if you connect several routers behind RT-G32 to share the same connection to the Internet.



Network/Host IP: It stands for the destination network or host of a route rule. So it could be a host address, such as r 192.168.123.11 $_{
m J}$ or a network address, such as r 192.168.0.0 $_{
m J}$.

Netmask: It indicates how many bits are for network ID and subnet ID. For example: if the dotted-decimal netmask is 255.255.255.0, then it's netmask bits is 24. If the destination is a host, its netmask bits should be 32.

Gateway: It stands for the IP address of gateway where packets are routed to. The specified gateway must be reachable first. It means you have to set up a static route to the gateway beforehand.

Metric: Metric is a value of distance for the network

Interface: Network interface that the route rule applies to.

WAN

Configure the internet connection, QoS, and Server settings.

Internet Connection

RT-G32 supports several connection types to WAN. These types are selected from the dropdown menu beside WAN Connection Type. The setting fields differ depending on the connection type you selected.

RT-G32	Time: 2 SSID: R Firmwa	2102142 1-G32 re Version: <u>87-G32-x0.1</u>	Language: English	Logout Raboot	0
B Retwork Nep	Internet Connection	rigger Virtual Server	DHZ DDNS		
M Advanced Setting		WAN Internet Co	nnection		0
Remember Path	RT-G32 supports several connection Connection Type. The setting fields	n types to WAN. These types are differ depending on the connecti	selected from the dropdown m on type you selected.	enu beside WAN	
🤣 WAN	WAN Connection Typ	n: Static IP 😸			I
Press.	WAN P Setting				
P Distanting	Get the WAY IP automatically	7 CYes CNo			
	#Attes	192.168.60.1			
	Butters Mark	255 255 255 0			
	Detaut Galeria	192.168.80.254			
	WAN DNG Setting				
	Connect to DNB Berry Juditimatically	E Yes C No			
	DNS Server	158.95.1.1			
	CH45 Derver	0.0.0.0			

WAN Connection Type: RT-G32 supports 5 methods of obtaining the WAN IP Address:

-- Automatic IP (DHCP): Automatic gets IP address from your ISP.

-- PPPoE (ADSL): PPPoE is a common connection type used for xDSL.

-- PPTP: PPP Tunneling Protocol can support multi-protocol Virtual Private Network (VPN).

-- L2TP: Layer 2 Tunneling Protocol can support multi-protocol Virtual Private Networks (VPN)

-- Static IP (fixed IP): Use static IP address to access Network.

Get the WAN IP automatically?: This field allows you to get the WAN IP address automatically.

IP Address: This is the IP address of RT-G32 as seen on the remote network. If you set it to 0.0.0.0, RT-G32 will get IP address from DHCP Server automatically.

Subnet Mask: This is the Subnet Mask of RT-G32 as seen on the remote network.

Default Gateway: This is the IP address of the default gateway that allows for contact between RT-G32 and the remote network or host.

Connect to DNS Server automatically: This field allows you to get the DNS IP address from

the remote network automatically

 $\ensuremath{\text{DNS}}$ Server 1: This field indicates the IP address of DNS that RT-G32 contacts to.

DNS Server 2: This field indicates the IP address of DNS that RT-G32 contacts to.

Unter Marrier	
Passaurt.	
life Disconnect Time in seconds Disconnect after time of inactivity (in Records)	Particular and a second se
unu	1460
Special Requiriment from ISP	
Heart Beat of FFTFA 3TP (VFN) Sorrer	
HINLAGING	

User Name: This field is only available when you set WAN Connection Type as PPPoE or PPTP.

Password: This field is only available when you set WAN Connection Type as PPPoE.

Idle Disconnect Time in seconds: Disconnect After time of inactivity (in seconds): This field is optional and allows you to configure to terminate your ISP connection after a specified period of time. This field is optional and allows you to end your ISP connection after the specified time of inactivity. A value of zero allows infinite idle time. If Tx Only is checked, the data from Internet will be skipped for counting idle time. If Tx Only is checked, Internet activity such as downloading data, is not counted as idle time.

MTU: It means Maximum Transmission Unit (MTU) of PPPoE packet.

Heart-Beat or PPTP/L2TP (VPN) Server: Please enter the server name or server IP of the authentication server of BigPond server.

Host Name: This field allows you to provide a host name for RT-G32. It is usually requested by your ISP.

MAC address: This field allows you to provide a unique MAC address for RT-G32 to connect Internet. It is usually requested by your ISP.

Port Trigger

Port Trigger function allows you to open certain TCP or UDP ports to communicate with the computers connected to RT-G32. This is done by defining trigger ports and incoming ports. When the trigger port is detected, the inbound packets to the specified incoming port numbers are redirected to your computer.

RT-G32		Timei <u>00:04:39</u> SSID: RT-G32 Firmware Versi	un: <u>RT-GT2 v0.1</u>	Langua	Agie:		
Retwork Hap	Internet Connect	en Port Trigger	Virtual Serv	ner DHZ	DONS		
Advanced Setting			NAT Setting -	Port Trigger			0
U LAN	Port T comp When are re	rigger function allows you uters connected to RT-G3 the trigger port is detecte directed to your computer	to open certain T 2. This is done by d. the inbound pa	CP or UDP ports defining trigger ckets to the spec	to communi ports and inc ified incomin	cate with the coming ports. Ig port numbers.	
A Normanian (Tripp	er Port List					
Statum Log		Eni	bie Port Trigger?	O'Yes ONo			
		Description Trigger	Port Protocol	Incoming Port	Protocol	(managed)	
			II ICP M	1	LICP. W	Add	
						Delete	
						ADDV	

Enable Port Trigger: Enable/Disable the port trigger.

Description: Enter the name of port trigger.

Trigger Port: This is the port used to trigger the application. It can be either a single port or a range of ports.

(Trigger) Protocol: This is the protocol used to trigger the special application.

Incoming Port: This is the port number on the WAN side that will be used to access the application. You may define a single port or a range of ports. You can use a comma to add multiple ports or port ranges.

(Incoming) protocol: This is the protocol used for the special application.

Virtual Server

To make services, like WWW, FTP, provided by a server in your local network accessible to the outside users, you should specify a local IP address to the server. Then, add the IP address and network protocol type, port number, and name of the service in the following list. Based on the list, the gateway will forward service request from outside users to the corresponding local server.

RT-G32	Timer <u>202:05:10</u> SSID: RT-G32 Firmware Version: <u>RT-G32, v0.1</u> Language:						
Hatwork Nap	Internet Connection Port Trigger Virtual Server DHZ DDHS						
Advanced Setting	NAT Setting - Virtual Server						
A Research	To make services, like WWW, FTP, provided by a server in your local network accessible to the outside users, you should specify a local IP address to the server. Then, add the IP address and network protocol type, port number, and name of the service in the following list. Based on the list, the gateway will forward service request from outside users to the corresponding local server.						
S WAR	Enable Virtual Server? Oves ON0 Virtual Server List						
Administration							
Bystem Llig	Sense Name Port Range Local IP Local Port Protocol Protocol No.						
	TCP • Add						
	Delate						

Port Range: Enter the Port range for WAN side.
Local IP: Enter the IP Address for the Virtual Server in LAN side.
Local Port: Enter the specific Local Port number you want to forward
Protocol: This is the protocol used to Virtual server.

DMZ

DMZ (De-Militarized Zone) allows you to expose one computer to the Internet, so that all the inbounds packets will be redirected to the computer you set. It is useful while you run some applications that use uncertain incoming ports.

Time: 02:02:52 SSID: KT-G32 Firmware Version: <u>AT-G32, v0.1</u>	
Internet Connection Port Trigger, Virtual Servet DH2 DUNS	
NAT Setting - DMZ	0
Virtual DMZ allows you to expose one computer to the internet, so that all the inbounds packets will be redirected to the computer you set. It is useful while you run some	
applications that use uncertained incoming ports. Please use it carefully.	
# Address of Exposed Station	
Applys	
	Informet 20002322 Language: <

IP Address of Exposed Station: Enter the IP address of a particular host in your LAN that will receive all the packets originally going to the WAN port/Public IP address above. **Note:** You need to give your LAN PC clients a fixed/static IP address for DMZ to work properly

DDNS

Dynamic DNS (DDNS) allows you to assign an Internet domain name to a computer with a dynamic IP address. Currently, several DDNS services are embedded in RT-G32. You can click Free Trial below to start with a free trial account.

Advanced Setting WAN - ODNS C Characteristic Dynamic DNS (DONS) allows you to assign an intermet domain name to a computer with a dynamic IP address. Currently, several DDNS services are embedded in RT-632. You can click Trie Trial below to start with a free trial account. C Enable the DDNIS Client? O yes O No O yes O No O yes O No User Name or E-mail Address Passaging or DDNS Key O yes allows or DDNS Key O yes allows or DDNS Key Host Name The format sheuld be two assignment computer with a get and yes on the format sheuld be two assignment or point to start with a free trial account. O yes O No	ASUS RT-G32	Vision: 00:06:30 SSID: RT-G32 Firmware Version: <u>RT-G32, v0.1</u>	
WAN-DDNS C Image: Instanting Dynamic DNS (DDNS) allows you to assign an internet domain name to a computer with a dynamic IP address. Currently, several DDNS services are embedded in RT-632. You can click Free Trial below to start with a free trial account. Image: Instanting In	A Network Map	alienvet Counvection Port Tripper Virtual Server DHZ DDNS	
Turning DNS (DDNS) allows you to assign an internet domain name to a computer with a dynamic IP address. Currently, several DDNS services are embedded in RT-G32. You can dick Free Trial below to start with a free trial account. Free Trial below to start with a free trial account. Enable the DDNIS Clearity O Yes: O No Attended of the trial account. Prestriant Log User Name or E-mail Address Passaring or DDNS Key O Yes: O No Attended to account. Other Name or E-mail Address Passaring or DDNS Key O Yes: South or Yes: Yes: Yes: Yes: Yes: Yes: Yes: Yes:	M Advanced Setting	WAN - DDNS	0
	Versies	Dynamic DNS (DDNS) allows you to assign an internet domain name to a computer with a dynamic IP address. Currently, several DDNS services are embedded in RT-G32. You can click Free Trial below to start with a free trial account.	
Berver: WWW ASUS COM Deer tiame or E-mail Address	Frend	Enable the DDNS Client? O Yes O No	7
User Name or E-mail Address Password or DDNS Key Address Address Address Password or DDNS Key Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address Address	Administration	Sever: WWW ASUS COM	
Password or DDHS Key Host Name Host Name The format should be var, asuscomm, com, where var is pour bostname.	Sistematop	User Hame or E-mail Address	
Most Name The format should be two asuscomm.com; where two is pour hostname.		Password or DDNS Key.	
Entrance and the second second		Most Name: The format should be tax asiaboorism com, where tax' is your hostname.	
Charle Windcard Tes 140		Enable wildcard? Yes I No	
Update Manually Update a		Update Manually	
In Apply I		Apply	

Enable the DDNS Client: Enable/Disable the DDNS server. Default setting is Disable.

Server: AP Router supports type: WWW.ASUS.COM.

User Name or E-mail address: Enter the user name or e-mail address that you register in WWW.ASUS.COM website

Password or DDNS Key: Enter the password or DDNS Key that you register in WWW.ASUS.COM website

Hostname: Enter the hostname that you register in WWW.ASUS.COM website

Enable wildcard: Enabling the wildcard feature for your host causes <u>WWW.ASUS.COM</u> to be aliased to the same IP address as yourhost.dyndns.org. This feature is useful if you want to be able to use, for example, <u>WWW.ASUS.COM</u> and still reach your hostname.

Update Manual: Click "Update" button to update the DDNS manually.

Firewall

Configure the firewall and filter mechanisms to protect your network.

General

Enabling Firewall (SPI Firewall) provides basic protection for RT-G32 and devices behind it. If you want to filter out specified packets, please use WAN vs. LAN filter in next page.

RT-G32	Time: 00:37/19 SSID: RT-G32 Firmware: Vorsion: <u>RT-G32: v0.1</u> Languinge: English Rebot: Rebot:	¢
Retwork Hap	General URL Filtur MAC Filter LAN to WAN Filter	
Advanced Setting	Firewall - General	1
9 siturinus 9 LAN	Enabling Firewall(SPI Firewall) provides basic protection for RT-G32 and devices behind it. If you want to filter out specified packets, please use WAN vs. LAN filter in next page.	
e néh	Enable Feewall? = Yes O No	
> Firewall	Enable DoS protection? Yos No	
Administration	Enable Web Access from WWV? O'Yes @ No	
System Lag	Part of Web Access Nom WAN. 8080	
	Respond Prop Request mon xxxxx7 Ci Yes @ No	

Enable Web Access from WAN?: This feature allows you to configure RT-G32 from the Internet. If you are under Home Gateway mode, please access RT-G32 with 8080 port (i.e. http://Your WAN IP: 8080).

Port of Web Access from WAN: To specify the port used to configure RT-G32 from the Internet. The default port is 8080.

Respond Ping Request from WAN?: This feature allows you to respond to ping request from WAN.

URL Filter

To specify keyword, URL filter will block specific URL access from clients.

RT-G32	Time: 00:37:38 SSID: K1-G32 Firmware Version	* <u>RT-G22_VE.1</u>	Languaget English •	Reboot	0
Network Map	General URL Filter HAC Filter	LAN 10 WAN Hiter			0
A Without A	To specify keywork, URL filter will block specific Enable URL Filter?	URL access from clients			
Pirewall	Date to Enable URL Filter. Time of Day to Enable URL Filter.	00 00 22	SWed Cithu Cifn C	Sat	
En Syntain Llag	UHL, Køyword List		Add.	Deluta	
				Apply	

Date to Enable URL Filter: This field defines the dates that URL filter will be enabled.

Time of Day to Enable URL Filter: This field defines the time interval that URL filter will be enabled.

MAC Filter

MAC filter allows you to block packets from devices with specified MAC address in your LAN.

RT-G32	Time: 00:37:53 SSID: RT-G32 Firmware Version: RT-G32 v0.1	
Retwork Hop	General URL Filter MAC Filter LAN to WAIN Filter	
Advanced Setting	Firewall - MAC Filter	0
D Toresta	MAC filter allows you to block packets from devices with specified MAC address in your LAN.	
2.00	White Free Made Disabled -	
Categorian	MAC address *Piezze enter the complete MAC address which contains 12 heradecimal letters	
	MAC Ither list.	
	Apply	

MAC Filter Mode: In Accept mode, RT-G32 only accepts clients with MAC address in the list. In Reject mode, RT-G32 will reject clients with MAC address in the list.

MAC Address: Please enter the complete MAC address which contains 12 hexadecimal letters.

LAN to WAN Filter

LAN vs. WAN filter allows you to block specified packets between LAN and WAN. You can first define the date and time that filter will be enabled. You can then choose the default action for filter in both directions and insert the rules for any exceptions

ASLIS RT-G32		Time: 00:18:06 SSID: RT-G32 Firmware Verse	on: <u>87-932_49.1</u>	Language: English		
Ketwork Nap	General UIBL TTR	ne MAC Filler	LAN to WAN Filte	-		
Advanced Setting		1	Firewall - LAN to WA	N Filter		
P revenue	LAN vs. WAN filter allows filter will be enabled. You	s you to block specifie a can then choose the	d packets between LAN : default action for filter in	and WAN. You can f both directions and	irst define the date a Sinsert the rules for i	nd time that any exceptions.
WAN STATE		Enable LAN IS WAR	VIII O'Yes @ No			
Firewall	Date	TO ETIDONE CAN TO WAR	(710) ElSun ElMon	Tue Wed	Thu 🗍 Fri 🗐 Bat	
a annineration	Time of Day	to Emante EAN to WA	(Finite 00 2 00	23 59		
Eyden Ling		Screen our apoched	HITEL ACCEPT			
		Ethnod (CMP) process	(Ippen:			
	LAN to WAN Filter Table					
		1	Vell-Known Applications	User Defined ·		-
	Source #	Port Range	Destination (P	Port Range	Protocol	-
				_	102	Add
						Delete
						Apply

Enable LAN to WAN Filter?: Select [Yes] to enable filter that specify IP or port for control incoming and outgoing packets.

Date to Enable LAN to WAN Filter: This field defines the dates that LAN to WAN filter will be enabled.

Time of Day to Enable LAN to WAN Filter: This field defines the time interval that LAN to WAN filter will be enabled.

Packets not specified will be: This field defines those LAN to WAN packets which are not specified in IP Filter Table will be accepted or dropped.

Filtered ICMP packet types: This field defines a list of LAN to WAN ICMP packets type that will be filtered. For example, if you would like to filter Echo (type 8) and Echo Reply (type 0) ICMP packets, you need to enter a string with numbers separated by blank, such as, 0 5. **Well-Known Applications**: User Defined, WWW, Telnet, FTP

Administration

Configure the system and upgrade the firmware of RT-G32.

System

RT-GJ2	Time: 02153151 SSTD: RT-G32 Firmware: Version: RT-G32_s	English Sopost - Reboot	0
Retwork Hap Syst	en Firmwate Upgrade Hestore/Save	/Upload Setting	
M advanced Setting	Administr	ation - System	0
D WARREN Chu	nge System's Password		
D.M	New Password		
P NAN	Retipe New Password		
S Administration	celaneous		
System Lug	Remote Log Server:		
	TimeEdner (GMT) G	reenwich Mean Time 🔹	
	NTP Selver.	UTP Line	
		Appily	I

Remote Log Server: This field allows assigning a remote server to record log messages of RT-G32. If you leave it blank, the system will record up to 1024 messages on RT-G32.

Time Zone: The standard time in your area or locality.

NTP Server: To synchronize your system time with NTP Server.

Firmware Upgrade

RT-G32	Time: <u>00:44:18</u> SSID: RT-G32 Firmware Version: <u>8</u>	-932. v0.1	Longuage:		
Network Hap	se Firmware Upgrade Eritate	/Save/Upload)	setting		
Advanced Setting	Administ	ration - Firmwar	e Upgrade	0	
LAN WAN Frend Administration System Log	 Check if any new version of firmware is available on <u>ASUS websits</u> Download a proper version to your local machine. Specify the path of and name of the downloaded file in the [New Firmware File]. Click [Upload] to upload the file to RT-G32. Uploading process takes about three minutes. "After receiving a correct firmware file, RT-G32 will automatically start the upgrade process. The system reboots after the upgrading process is finished." 				
	Product ID:	RT-G32			
	Firmware Vession:	RT-032_v0.1			
	New Farmware File.		(Dowee		
		Upload			
	Note: 1 For a configuration param setting will be kept during 2 In case the upgrade proce automatically. The LED sil situation. Use the Firmwa	efer existing both in the upgrade proce as fails. RT-G32 ei gnats at the front of re Restoration utilit	n the old and new firmware, its 55 nters the emergency mode RT-G32 will indicate such y on the CD to do system recovery		

Follow instructions listed below:

- 1. Check if any new version of firmware is available on ASUS website.
- 2. Download a proper version to your local machine.
- 3. Specify the path of and name of the downloaded file in the [New Firmware File].
- 4. Click [Upload] to upload the file to RT-G32. Uploading process takes about three minutes.

5. "After receiving a correct firmware file, RT-G32 will automatically start the upgrade process. The system reboots after the upgrading process is finished.

Note:

1. For a configuration parameter existing both in the old and new firmware, its setting will be kept during the upgrade process.

2. In case the upgrade process fails, RT-G32 enters the emergency mode automatically. The LED signals at the front of RT-G32 will indicate such situation. Use the Firmware Restoration utility on the CD to do system recovery

Restore/Save/Upload Setting

This function allows you to save current settings of RT-G32 to a file, or load settings from a file.

RT-G32	Time: 00:44:48 Language: SSID: RT-G32 English • Firmware Version: <u>RT-G32_v0.1</u>	Reboot				
Network Map	System Timeware Upgrade Restore/Save/Upload Setting					
Advanced Setting	Administration - Restore/Save/Upload Setting					
Witeen]	This function allows you to save current settings of RT-G32 to a file, or load settings from	(a)				
A 201	Ine.	_				
	Focior defoile Restore					
	Bare tetto: Save					
Administration	Holord Bone					
Administration	Restor setting					

Factory default: Click [Factory default] to restore the router to its factory default settings and delete all the current settings. Wait for a while until the router reboots.

Save settings: Click the [Save] button to save current setting of RT-G32 into a file. (Note: While you save current settings to a file, it will be saved to flash as well.)

Restore settings: Specify the path and name of setting file. Then click [Upload] to write the file to RT-G32. Please wait 30 seconds until RT-G32 reboots.

System Log

Monitor the status and various system logs.

General Log

The log file keeps a running log of events and activities occurring on the device. The log always displays recent logs. When the device is rebooted, the log would not be cleared.

RT-G32	Timer 00:43143 SSID: RT-G32 Firmware Version: RT:G32.x0.1	(
Retwork Map	General Log Routing Table						
Advanced Setting	System Log - General Log						
P windles	Bratem Time Sat, Jan 1 00:48:43 2000 GMT+0000						
P LAN	Booting Odays Ohours (Aminutes 43 seconds						
 Material Administration 	Jan 1 00:00:11 (none) sysleg.info syslegd started: BusyBox v1.00-pre10 (2008.(Jan 1 00:00:12 (none) daemon.info init: Starting pid 101, console /dev/console Jan 1 00:00:17 (none) local0.info udhopd[327]; udhopd (v0.9.9-pre) started						
System Log	Jan 1 00:00:18 (none) cron.notice crond(33]: crond 2.3.2 dillon, started, log [#] Jan 1 00:00:22 (none) local0.info udhcpd(332): sending OFFER of 192.168.1.10 Jan 1 00:00:22 (none) local0.info udhcpd(332): sending ACK co 192.168.1.10						
	Jan 1 00100125 (none) local0.info udhepd[332]; sending ACK to 192.168.1.10 Jan 1 00101125 (none) local0.info udhepd[332]; sending ACK to 192.168.1.10 Jan 1 00:01125 (none) local0.info udhepd[332]; sending ACK to 192.168.1.10						
	Jan 1 00:02:25 (none) local0.info uthopd[332]: sending ACK to 192.168.1.10 Jan 1 00:02:55 (none) local0.info uthopd[332]: sending ACK to 192.168.1.10 Jan 1 00:03:25 (none) local0.info uthopd[332]: sending ACK to 192.168.1.10 						
	Clear						

Boot time: Elapsed time since system boot

Routing Table

A routing table contains the information necessary to forward a packet along the best path toward its destination. Each packet contains information about its origin and destination. When a packet is received, a network device examines the packet and matches it to the routing table entry providing the best match for its destination. The table then provides the device with instructions for sending the packet to the next hop on its route across the network.

ASUS RT-G32		Time: <u>00:49:11</u> SSID: RT-G32 Firmware Versio	ee: <u>RT-G72, v0.1</u>	Longu Englis	age: h	-	00	Logoul Reboot	2	0
Hetwork Hap	General Log R	outing Table	System Log - Routir	ng Table						1
LAN LAN Internet LAN Internet Constant D Administration System Log	Kernel IP rout Destination 192.168.1.0 192.168.60.0 default	ing table Gateway - 192.168.60.254	Genmask 255.255.255.0 255.255.255.0 0.0.0.0 0.0.0.0	Flags U U US	Metric 0 0	Ref 0 0 0	Use 0 0	Iface br0 eth0.2 eth0.2	*	
								Refr	esh	

Destination: The IP address of the packet's final destination. The destination can be an IP address or a class-based, sub-netted, or super-netted network ID.

Gateway: The IP address to which the packet is forward.

Netmask: Includes directly-attached subnets, indirect subnets that are not attached to the device but can be accessed through one or more hops, and default routes to use for certain types of traffic or when information is lacking.

Flags: Possible flags include → U: Route is up. H: Target is a host. G: Use Gateway
C: Cache entry I: Reject route

Metric: A number used to indicate the cost of the route so that the best route, among potentially multiple routes to the same destination, can be selected.

Ref: Number of reference to this route.

Use: Count of lookups for the route.

Iface: Interface to which packets for this route will be sent.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

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

DGT Warning Statement

Article 12

Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

Article 14

The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.