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MODE COM WIRELESS ROUTER

MC-418A User Manual



Great thanks for your purchasing MC-418A Wireless Router ,MC-418A Supports IEEE802.11G Standard ,transferring date with speed of 54Mbps , also conforms to IEEE802.11B Standard. MC-418A satisfy enterprise with small scale, SOHO user to lay out WAN and LAN. MC-418A provide multi-protection for the security for the networks, such as support or prohibit SSID broadcast, not allow AP to broadcast SSID network name for SSID prevention. MC-418A support WEP for the security of WLANS with powerful firewall. MC-418A allow many PCs to share one PC's WAN Cable and one Internet account by ISP. MC-418A allow varies ways to internet, such as ADSL, Cable Modem, dial up automatically, easy to configure. MC-418A combines 4 port Ethernet Switch to connect with Ethernet adapters. VLAN server allow Internet user to visit website, FTP and other service in LAN. MC-418A control the outside visit, configure different authorized access. MC-418A support Web management, DMZ, network game and videoconference. This manual is the user's guide for MC-418A. This manual consists of hardware specification, installation guide, configuration guide and definition on how to use MC-418A. Pls use this manual for your reference.

First, please read the installation guide in chapter 4, note some points when install. Second, Pls read chapter 6, in order to allow MC-418A to run in corresponding Internet environment.

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1. Warning

- 1. Please used adaptor provided by manufacturer, otherwise will break MC-418A.
- 2. Do not drop Router down or any damage to the Router and its electronic component.
- 3. Do not disassemble Router, otherwise warranty for repair will not be guaranteed
- 4. Do not exposure Router under Sunshine, to avoid heat.
- 5. Please keep Router dry and away from fire.
- 6. Please keep Router under shield and run under 0-40 to the perfect state.

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2. PACKAGE CONTENTS

Package contents of Wireless Router as follows:

- 1. Wireless Router MC-418A
- 2. Switch DC Power Adapter (7.5V,1.5A)
- 3. Ethernet Cable
- 4. User's Guide

3.SPECIFICATION

This Wireless Router is a highly integrated Wireless Router with many functions such as Gateway, Switch, DHCP server, Firewall etc:

11G 54Mbps Support 802.11g high-speed data rate up to 54Mbps for 802.11g(draft) and 11Mbps for 802.11b with wide range coverage.

Network Address Transform (NAT) With providing Internet application this Router can allow more than one user to connect with Internet at the same time by sharing one public IP address; It supports many connection waysxDSLCable ModemLAN/ Leased Line and so on.

4 Ports 10/100M Switch It has 4 Network 10/100M switch ports port support MDI/MDIX automatic identification function, Switch port can connect to other switches, so that can support over hundred computers to go to Internet at the same time.

PPPoE(ADSL) Automatic Disconnection/Connection Users can optionally choose automatic disconnection in idle time and connection in access time to save Internet access cost.

DHCP Server Supported All of the networked computers can retrieve TCP/IP settings automatically from this product.

Static IP address Binding: Authorize user to manage and configure PC in LAN in most by binding MAC address and IP address together.

System Memorandum: MC-418A record routing history and forwarder to administrator mailbox.

UPnP: Defaulted UPnP enable user to configure networking hardware and software.

Management Based on Web Page Both network configuration and system configuration are based on inside Web Server. The user interface is clear and usage is easy. By this interface users can also update software to enhance the system stability and expansibility.

Internet Access Control Different administration can be setup for different users.

Data Package Filtration: Port Filtration, IP Address Filtration, MAC Address filtration, Key word Filtration enable user to configure IP router to analyze data package can be forwarded or refused.

Virtual Server Allow other users from Internet access WWW, FTP server or other servers in LAN.

QoS: Control the IP Router bandwidth forwarding and transferring by configuration IP Address QoS , application QoS and port QoS.

Firewall Users can randomly refuse or allow data from Internet

Scheduler: Manage and control Local Network accessing Internet by configuration time.

DMZ Server Allow one computer to be totally open to Internet to make sure special application.

Remote Management Users can totally manage office or home network wherever they are.

DDNS By this function users can set up their own web station.

Remote Wake-up: Enable user to remote wake up PCs in LAN.

Support VPN Pass-through Supports VPN Pass-through PPTP dialogue and also supports users to configure VPN Server and Client in LAN.

ITEM		WIRELESS ROUT	ER MC-418A
	Standard	IEEE 802.11G IEE	E 802.11B IEEE 802.3 IEEE 802.3u IEEE 802.3x
	Protocol		TCP/IP, NAT, DHCP, UDP, FTP, PPPoE, PPTP, L2TP,HTTP,DNS, IPSec/VPN Pass-through
	Future al Davit	WAN	One 10/100Mbps RJ-45 port, automatic sense cross cable
	External Port	LAN	Four 10/100Mbps speed Ethernet switch port, auto sense cross cable
		Frequency Range	2.412~2.472 GHz
		Forward Speed	1, 2, 5.5, 11Mbps(802.11b) 6, 9, 12, 18, 24, 36, 48, 54 Mbps (802.11g)
	Wireless	Opt. Channel	14
	Parameter	Data Modulation	CCK, DQPSK, DBPSK, OFDM
SPECIFICATION		RF Power	16-18dBm
SPECIFICATION		Antenna Type	1*2.4Ghz Dipole Antenna 1*2.4Ghz Embedded Antenna
	Cable		UTP100Base-TX UTP/STP 5 or above standard
	Control interf	ace	Based on Web application
Insid	Inside functio	n	10/100Mbps switch; LAN/WAN port auto sense cross cable; WAN port static/dynamic IP flexible setting up; Support 64/128 bit WEP and MAC; Support AP client Bridge-Point-to Point mode; Support client mode; PPPoE dial-up and connection time setting up; PPPoE dial-up and automatic/ manual connection; Double IP Configuration; Support VPN Pass-through; DHCP Service; DNS relaying; DMZ Server; Static IP Address Binding; System Memorandum forwarding; IP Router configuration back-up; UPNP; Connection setting up and stat.; Time control on access to internet; Firewall; NAT ON/OFF; Port/IP/MAC/Key word Filtration; Remote control; Remote Wake-up; DDNS; Gateway; Virtual Server; Qos & VPN Server
	CPU		KENDIN KS8695PX (ARM9)
	FLASH		2MB Flash
	Memory		16MB SDRAM
	LAN connection		Static or dynamic IP address
Product Specification	WAN connection		xDSL Cable Modem Special cable LAN
	Power supply		DC 7.5V/1.5A switch power adapter
	Size		179mm×*119mm×*39mm
	Temperature		0 ~ 60
	Humidity		10 ~ 85%

VPN server: Allow you to setup VPN server, allow 5 VPN client logging at same time Detailed Specification

Compatible OS Windows 95/98/ME/NT/2000/XP Mac OS Linux or other UNIX system



If the specification and functions of Router have been changed, it will not be informed. The users please take care of it by themselves.

4.INSTALLATION 4.1 BEFORE INSTALLATION

4.1.1. Firstly please confirm your computer OS (Windows 95,98,NT, ME, 2000, XP, Linux, Mac) and Web browser (Internet Explorer 4.0 with JavaScript function Netscape Navigator 4.0 or above version)

4.1.2. Make sure there is LAN Card which has been correctly installed in your computer.

4.1.3. If you are xDSL user, please remember your user ID and password.

4.1.4. If you connect Internet by LAN or WAN, please get the following information from your network administrator: IP address is static or dynamic, DNS, default gateway, account and so on.

If your computer has installed ADSL PPPoE dial-up software before the installation of Router, please backup your installation software and uninstall your ADSL PPPoE dial-up software by Start->control panel->Add or Remove Programs.

4.2 INSTALLATION

4.2.1. Setup WAN connection: connect broadband cable (xDSL, Cable Modem or LAN/ Leased cable) with WAN port of Router.

4.2.2. Setup LAN connection: connect your computer LAN card's port or your switch UPLINK port with one LAN port of Router by a common network cable.

Note: All LAN ports of Router can automatically sense cross cable, so you can either use through cable or cross cable to connect LAN card or switch.

4.2.3. Turn on the power: connect and the power supply, turn on it. Then Router comes to self-detect state. During the self-detect: PWR LED will be long light, RUN LED will slow flash after correct startup, other four LAN LED and WAN LED will flash only twice rapidly, then the system will come to normal work state. 4.2.4. Start computer

LED	Description	Explanation
PWR	Power LED	Long light
RUN	System status LED	LED flash when device work normally. LED doesn't on or flash refer some problem with device
WLAN	WLAN port connection LED	Flashing refers to data transformation
WAN	WAN port connection LED	Flashing refers to data transformation
LAN	LAN port connection LED	Flashing refers to data transformation

Port explanation	
Antenna	Antenna provide wireless LAN functionality and ensure optimal signal strength
Power jack	Connect power adapter (7.5V/1.5A)
Reset	Press Reset button. Switch the power off/on. After switching the power on, about 5 seconds later RUN LED will flash rapidly, then release the button. After Router startup, all configurations will restore to default configuration.
WAN	Connect xDSL/Cable Modem or Special cable
LAN 1~4	Connect personal computer or hub, switch and so on



NOTE: After switch or hub expand, Wireless Router can connect at most 253 client computers in LAN or WLAN.

4.3 NETWORK SKETCH MAP



Note: During the usage, the sequence of turn on is firstly turn on Modem's power supply 1 minute after Modem startup turn on Router power supply , then turn on the computer .

5. LOCAL COMPUTER SETUP

Users should configure local network to access Internet by Router. Users should know the default configuration of Router before installation. Users must connect with Router again after configure computer's local network. Please make sure your computer setting is as follows, Otherwise Router can not be correctly connected (Linux and Mac users please setup as follows by relative conference).

The default configuration of Router is:

- IP address 192.168.0.1

Users can setup static or dynamic IP configuration.

5.1 Windows 2000 SETUP

(1) Install Router.

(2) Start Windows 2000 and check LAN LED is on or off. If off, please confirm the connection of your computer with Router.

(3) Click "start"->"Setting"->"Panel Control".



(4) Double click the "Network and Dial-up Connection" in "control panel".

🖻 Network and Dial-up Connections	
File Edit View Favorites Tools Advanced Help	1
← Back • → • 🖻 🔞 Search 🔓 Folders 🚷 階 🕸 🗶 🕫 🧱	
Address 🔁 Network and Dial-up Connections	è60
Network and Dial- up Connections Make New Local Area Connection This folder contains network connections for this computer, and a wizard to help you create a new connection. Local Area Connection To create a new connection, dick Make New Connection. Connection To create a new connection, dick Make New Connection. Network connection, dick is icon and then click Properties. To identify your computer on the network, click <u>Network Identification</u> . Network connection	
2 object(s)	h.

(5) Click "Local area connection"->"Properties"->"Internet protocol (TCP/IP) "and "Properties".

neral	
Connection	
Status:	Connected
Duration:	01:33:29
Speed:	100.0 Mbps
Activity Sent	- 🕮 - Received
Packets:	9,835 11,000
Properties Disab	le



(6) Click **"General "** bar, Select **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"**

(7) Click "OK".

Local Area Connection Properties	Internet Protocol (TCP/IP) Properties
General	General
Connect using: B Realtek RTL8139(A) PCI Fast Ethernet Adapter	You can get IP settings assigned automatically (your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure	Obtain an IP address automatically
Components checked are used by this connection:	C Use the following IP address:
🗹 📇 Client for Microsoft Networks	IP eddress:
Eile and Printer Sharing for Microsoft Networks	Subnet mask:
	Default gateway:
Install Uninstall Properties	Obtain DNS server address automatically
Description	C Use the following DNS server addresses:
Allows your computer to access resources on a Microsoft	IDMP option to a second
network.	Atenate DNS server.
Show icon in taskbar when connected	Advanced
OK Cancel	OK jarcel

(8) Click "Start" ->"Run".

(9) Input "cmd" ,then click "OK".

(10) Input "ipconfig" in Pop-up Command window.

(11) Please make sure your IP is the same with below. If same then your configuration is successful, or please redo the above steps and restart your computer.

The IP address is between 192.168.0.2 and 192.168.0.254

The subnet mask is **255.255.255.0**

The default gateway is 192.168.0.1



(10) Input "ping 192.168.0.1", then "Enter".

(11) If you can see "**Reply from 192.168.0.1: bytes=32 time=2ms TTL=64**" then the connection between

your computer and Router is completed.





(1) Install Router.

(2) Start Windows XP and check LAN LED is on or off. If off, please confirm the connection of your computer with Router.

(3) Click "Start"->"Setting"->"Panel Control"

(4) Double click the "Network and Internet Connections" in "control panel".

(5) Click "Network connection"->"local area connection"->"properties"->"Internet protocol TCP/IP" and "Properties".

(6) Click "General ", Select "Obtain an IP address automatically" and "Obtain DNS server address automatically"

(7) Click "OK"







👍 Local Area Connection St	atus 🛛 🕐 🔀
General Support	
Connection	
Status:	Connected
Duration:	00:09:21
Speed:	100.0 Mbps
Activity Sent —	Received
Packets: 16	3 95
Properties Disable	
	Close



neral Alternate Configuration	
ou can get IP settings assigned is capability. Otherwise, you ne e appropriate IP settings.	d automatically if your network supports eed to ask your network administrator for
Obtain an IP address autor	natically
IP address:	55.
Subnet mask:	
Default gateway:	
 Obtain DNS server address 	s automatic lly
Out the following DNS	audresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced

(8) Click "Start"->"Run"

(9) Input **"cmd "**, Click **"OK"**

(10) Input **"ipconfig"** in the pop-up command window.

(11) Please make sure your IP is the same with below. If same then your configuration is successful, or please redo the above steps and restart your computer.

The IP address is between 192.168.0.2 and 192.168.0.254

The subnet mask is 255.255.255.0

The default gateway is 192.168.0.1

C:\VINDOVS\System32\cmd.exe	- 🗆 🗙
Microsoft Windows XP [版本 5.1.2600] (C) 版权所有 1985-2001 Microsoft Corp.	
C:\Documents and Settings\Administrator>ipconfig	
Windows IP Configuration	
Ethernet adapter Local Area Connection:	
IP Address : 192.168.0.2 Subnet Mask : 255.255.255.0 Default Gateway : 192.168.0.1	
c. Woldanents and Settings Munimistratory	
	-

(12) Input "ping 192.168.0.1", then "Enter".
(13) If you can see "Reply from 192.168.0.1: bytes=32 time=2ms TTL=64" then the connection between your computer and IP router is completed.



6. MC-418A ROUTER SETUP 6.1 START INTERNET EXPLORRE TO LOGIN

Run Internet Explorer (😂) and click the "Stop (🖻) button in Internet Explorer's toolbar. Input **http://192.168.0.1 in** Internet Explorer's address bar.

Address http://192.168.0.1

192.168.0.1 is Default IP address of Router.

You may see the following login web page. Click "Login" button and make relative configuration. Check "WAN

Setup" to Setup Wizard. The setup wizard enables you to configure the router quickly and conveniently. Check "WLAN Setup" to WLAN setup wizard. The wireless setup wizard enables you to configure the wireless setting. You can login directly without account & password confirmation because there is no account information required by factory default configuration.

Conn. Type: ROUTER current connection type, Dynamic IP is default value.

Conn. Status: Router current connection Status

WAN IP: ROUTER WAN current IP address

Connected PC: IP address of the computer which connects to ROUTER.

6.2 PPPoE(ADSL) USER SETUP

This connection way is suitable for virtual dial-up Internet connection.

Open external ADSL Modem and check the WAN LED of ROUTER.

If WAN LED is off, check the network cable between external modem and WAN port.

Click "Basic setup "-> "WAN setup", as follows:

IONCOM				ip TIM	EPRO
Status Basic	Setup System Q	۵۵	TAN	Advanc	ed
TAN Setup Vireless 5	tup LAM/DHCP Setup Link S	ietup/Info	Routing Jab	de	
Basic Setup >> WAN S	etup		Refresh	Save	Hely
Physical Address Clone Allow private ip to be ac PPPoE User (ABSL		-11	Seach	MoC address	
UserID	zioncom				
Password					
MTU	1454				
Disconnect PPP se	ssion if idle time is longer than	Min			

Select "PPPoE User (ADSL)" radio button.

Key in the "User ID" and "Password" provided by your Internet service provider.

—	
Llick the "Apply "	button.
Click the "Apply " 'ou may see the p	button. Jopup window.
Click the "Apply " /ou may see the p company_name mo	button. Dopup window. del_name - Microsoft Intern 😱 🗖 🔀
Click the "Apply "	button. popup window. del_name - Microsoft Intern

In case **"Conn. Status"** is **"Successfully connected"**, the configuration is correct. Click **"Show Internet connection status"** and see the 6.5.1.

Conn. Type	PPPoE User (ADSL)
Conn. State	Successfully connected
Sho	w Internet Information

If In case **"Conn. Status"** is **"Invalid ID/password"**, the configuration is incorrect. Click the **"close"** button and check your ID& password.

Conn. Type	PPPoE User (.
Conn. Stat	e Invalid ID/p
	Close

If "Conn. Status" keeps unchanged, check whether your service type is correct.

Conn. Type	PPPoE User (ADSL)
Conn. State	Connecting to internet
	Close

Confirm the WAN connection status: If WAN connection is successfully established, then by clicking "Show Internet Information" you can enter WAN status web page; or click "Status"-> "WAN status", as the following. Connection Type should be PPPOE (ADSL)

Connection Status should be "successfully connected"

Physical Address is shows Router WAN port MAC Address.

WAN IP Address, Subnet mask, Default Gateway, Primary DNS server and Secondary DNS server can be different from the following values. (These addresses are provided by your ISP)

Status	Basic Setup	System QoS	TAR	Advand	ied
All Status	Miréless Status IA	W Status			
Status >	TAR Status		Refresh	Save	He
Connect	ion				
And the second se					
	Connection Type	PPPoE (ADSL)			
	Connection Type Connection Status	PPPoE (ADGL) Successfully connected			
	Connection Type Connection Status Physical Address	PPPoE (ADSL) Successfully connected 00-DE-E8-12-11-11			
	Connection Type Connection Status Physical Address VVAN IP Address	PPPoE (ADSL) Successfully connected 00-DE-E8-12-11-11 10 . 0 . 0 . 3			
	Connection Type Connection Status Physical Address VVAN IP Address Subnet Mask	PPPoE (ADSL) Successfully connected 00-DE-E8-12-11-11 10 . 0 . 0 . 3 255 . 255 . 255 . 255			
	Connection Type Connection Status Physical Address VYAN IP Address Subnet Mask Defsult Gateway	PPPoE (ADSL) Successfully connected 00-DE-E8-12-11-11 10 . 0 . 0 . 3 205 . 255 . 255 . 255 10 . 0 . 0 . 3			
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway Primary DNB Server	PPPoE (ADSL) Successfully connected 00-0E-E8-12-11-11 100.00.00.33 295.255.255.255 100.00.00.33 202.96.134.133			

"Disconnect" is manual disconnection button. If you click then the system will disconnect with Internet

Status	Basic Setup	System	QoS	NAT	Advanc	ed
WAN Status	Wireless Status I	AN Status				
				Refresh	Save	Hel
Status >> 1	AN Status					
Status >> 1	AM Status					
Status >> T	All Status					
Status >> 1	AB Status		_			
Status >> 1	Connection Type	PPPoE (ADSL)	_			

"Connect" is manual connection button. By clicking it the system can be connected to Internet again. Click "Save" to save current configuration. Restart all PCs connect with IP Router.

Status Basic Setup	System QoS NA	AT Advanced	
WAN Status Wireless Status	LAN Status		
Status >> TAB Status	Ke	efresh Save Help	
TAN Connection			
Connection Type	PPPoF (ADSL)		
Connection Statu	s Successfully connected		
Physical Address	00-0E-E8-12-11-11		
	10 . 0 . 0 . 3		
WAN IP Address			
WAN IP Address Subnet Mask	255 255 255 255		1
WAN IP Address Subnet Mask Default Gateway	255 255 255 255	1	
WAN IP Address Subnet Mask Default Gateway Primary DNS Sar	255 . 255 . 255 . 255 10 . 0 . 0 . 3		
WAN IP Address Subnet Mask Default Gateway	255 . 255 . 255 . 255 10 . 0 . 0 . 3		
WAN IP Address Subnet Mask Default Gateway Primary DNS Ser Secondary DNS 5	255 255 255 255 10 0 0 3 ver 202 96 134 133 Server 202 96 68 68		

m /N Notes: Please save Router Configuration after completion, otherwise configuration will lose when power off or restart.

Other Configurations:

MTU: Input MTU value of data package, default value is 1454. Normally please do not change it.

Disconnect PPP session if idle time is longer than Min: If you choose this option and setup the time T, then the router automatically disconnects from Internet after T idle time.

Connect On Demand: Router can automatically connect with Internet if there is Internet access after disconnection. Note: during usage if there is disconnection due to external causes, then the Router will try to connect with Internet at once until successful connection. This function is the Router inner function and does nothing with Connect On Demand function. Connect On Demand is only effective to Disconnect PPP session if idle time is longer than Min.

Connect Manually: By this option users have to connect with Internet manually after disconnection. This option is only effective to Disconnect PPP session if idle time is longer than Min.

Prevent reconnection although no response from PPP server: This option is to shut off Router inner automatic connection function. By choosing this option if external network disconnects, Router will not try to connect at once.

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6.3 DYNAMIC IP USER (Cable/Modem...) SETUP

By this connection way Router can get IP address automatically from ISP (such as: CHINA TELCOM). It is suitable for connection ways such as Cable Modem, LAN and so on.

Turn on the external Cable Modem and check the WAN LED of Router.

If WAN LED is off, please re-confirm the network cable between external Modem and WAN port.

Click "Basic Setup"->"WAN Setup" as diagram:

Choose Dynamic IP user (Cable Modem...)

Click **Apply** to complete.

Status	Basic Setup	System	QoS	NAT	Advanced
WAN Setup	Wireless Setup	LAN/DHCP Setup	Link Setup/Info	Routing Tal	ble
Basic Set	up >> WAN Setup			Refresh	Save Hel
AM Setup					

You will see the following pop-up window

Conn. Type	Dynamic IP
Conn. State	Connecting to interne
	Close

If **Conn. status** is **"Successful connected"**, the configuration is correct. Click **"Show Internet Information"** and see the **6.5.1**

省 con	npany_name model	_name - Microsoft Intern 🔳 🗖 🔀
	Conn. Type	Dynamic IF
	Conn. State	Successfully connected
	Snow	Internet Information

If connection status keeps to be **"Connecting to Internet"**, please do the following steps: Close the pop-up window.

Turn off Cable Modem power supply then on, and confirm the WAN LED status.

Re-click "Apply" button.

Check the WAN Connection Status: If the status is "Successfully connection", click "Show Internet Information" to enter WAN status page; or click|Status->WAN status, as following diagram:

Status Basic Setup	System QoS NA	f Advanced
Status Wireless Status	LAN Status	
atus >> WAN Status	Re	fresh Save
onnection		
Connection Type	Cable Modem (DHCP)	
Connection Type Connection Status	Cable Modern (DHCP) Successfully connected	
Connection Type Connection Status Physical Address	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11	
Connection Type Connection Status Physical Address WAN IP Address	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67	
Connection Type Connection Status Physical Address WAN IP Address Subnet Mask	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67 255 . 255 . 0	
Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway	Cable Modem (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67 255 . 255 . 0 192 . 168 . 2 . 254	
Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway Primary DNS Server	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67 255 . 255 . 255 . 0 192 . 168 . 2 . 254 202 . 96 . 134 . 133	

If WAN connection is successfully established, you can see the following.

Connection Type should be "Cable Modem (DHCP)"

Connection Status should be "Successful connected"

Physical Address is shows Router WAN port MAC Address.

WAN IP Address, Subnet mask, Default Gateway, Primary DNS server and Secondary DNS server in your computer may be different from the following value (These addresses are provided by your ISP).

Disconnect button as follows is manual WAN port IP address release function button. If click it IP Router will release WAN port IP address and disconnect with Internet.

Status	Basic Setup	System	QoS	NAT	Advanced
WAN Status	Wireless Status	LAN Status			
				Referen	S ¥
Status >>	WAN Status			nerresn	Save ne.
Status >>	TAE Status			Refi esu	Save ne.
Status >>	TAE Status			vert ezu	Save ne.
Status >> AM Connectio	Connection Type	Cable Modern	(DHCP)	ACS 1194	Jave ne

"Connect" button is manual WAN port IP address refresh function button. If click it WAN port will re-get dynamic IP address and connect with Internet.

Click "Save" button to save current configuration, then restart all PCs connected with Router

Status	Basic Setup	System QoS NAT	Advanced
WAN Status	Wireless Status LA	N Status	
Status >>	TAN Status	Refre	sh Save Hei
AN Connecti	•n)		
	ni Varian a serie	- Series And Science Software with the Burley for the 2014 State Street 2014 State St	
	Connection Type	Cable Modem (DHCP)	
	Connection Type Connection Status	Cable Modern (DHCP) Successfully connected	
	Connection Type Connection Status Physical Address	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11	
	Connection Type Connection Status Physical Address WAN IP Address	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . [168 . [2	
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask	Cable Modem (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67 255 . [255 . [255 .]0	
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway	Cable Modem (DHCP) Successfully connected 00-0E-E8-12-11-11 132 . 168 . 2 . 67 255 . 255 . 255 . 0 132 . 168 . 2 . 254	
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway Primary DNS Server	Cable Modern (DHCP) Successfully connected 00-0E-E8-12-11-11 192 . 168 . 2 . 67 255 . 255 . 255 . 0 192 . 168 . 2 . 254 202 . 96 . 134 . 133	

Note:

After completed setup, please save Router configuration, otherwise the configuration will be lost when Router is power off or restarts.

Other configuration:

Physical address Clone If you want to change WAN port MAC address you can choose this option; If this option is un-chosen the WAN MAC address is default value; By this option the displayed MAC address is your current MAC address; You can also manually add the WAN port MAC address; without the option WAN port MAC address will restore to default value.

Allow private IP to be accepted: Allow WAN port assigned private IP address.

6.4 STATIC IP USER SETUP

If you have static IP address provided by ISP, you can choose this option.

Turn on the external modem and check the WAN LED of IP Router

If the WAN LED is off, please check the network cable between external modem and the WAN port.

Click Basic Setup->WAN Setup as following diagram

Status	Basic Setup	System	QoS U	NAT	Advanced
WAN Setup	Wireless Setup	LAN/DHCP Setup	Link Setup/Info	Routing Tab	le

Input WAN IP address, Subnet mask, Default Gateway, Primary DNS Server and Secondary DNS Server provided by ISP.

WAN IP Address	210 . 21 . 224 . 73	
Subnet Mask	255 . 255 . 255 . 240	
Default Gateway	210 . 21 . 224 . 66	
Primary DNS Server	202 96 134 133	
Secondary DNB Server	202 96 128 68	

Click Apply to complete.

You will see the following pop-up window:

Conn. Type	Static IP		
Conn. State	Configuration is don		
Show	Internet Information	\geq	

Check WAN connection status: If it is **"Configuration is done"**, click **"Show Internet Information"** to enter WAN status page; or click **Status->WAN status**, as following diagram:

Status			1)
	Wireless Status LA	N Status		\bigcirc
atus >>	TAN Status		Refresh	Save
onnecti	on			
	Connection Type	Static IP		
	Connection Type Connection Status	Static IP Successfully connected		
	Connection Type Connection Status Physical Address	Static IP Successfully connected 00-0E-E8-12-11-11		
	Connection Type Connection Status Physical Address WAN IP Address	Static IP Successfully connected 00-0E-E8-12-11-11 210 21 224 73		
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask	Static IP Successfully connected 00-0E-E8-12-11-11 210 21 255 255 255 255		
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway	Static IP Successfully connected 00-0E-E8-12-11-11 210 21 255 255 255 255 210 21 210 21 210 21		
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway Primary DNS Server	Static IP Successfully connected 00-0E-E8-12-11-11 210 21 255 255 255 255 210 21 21 20 21 20 21 20 21 20 21 </td <td></td> <td></td>		

If WAN connection is successfully established, you can see the following.

Connection Type should be "Static IP"

Connection Status should be "successful connection"

Physical Address is shows Router WAN port MAC Address.

Confirm WAN IP Address, Subnet mask, Default Gateway, Primary DNS server and Backup DNS server is same with the values provided by ISP or not.

Click the **"Save"** button to keep current configuration, then restart computers in LAN to re-get IP relative information.

Note:

After completion please save the configuration, otherwise configuration will be lost when IP Router is power off or restarts.

6.5 STATUS 6.5.1 WAN Status

Click "Status"->"WAN Status" as following:

AN Status	Wireless Status LA	N Status	
Status)	>> TAN Status	Refr	esh Save H
Connect	tion		
	Connection Time	Oable Medaws (DLIOD)	
	Connection Type	Cable Modern (DHCP)	
	Connection Status	Successfully connected	
	Connection Status Physical Address	Successfully connected 00-0E-E8-12-11-11	_
	Connection Type Connection Status Physical Address WAN IP Address	Successfully connected 00-0E-E8-12-11-11 192 168 . 2	
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask	Successfully connected 00-0E-E8-12-11-11 192 168 2 67 255 255 0	
	Connection Type Connection Status Physical Address WAN IP Address Subnet Mask Default Gateway	Successfully connected 00-0E-E8-12-11-11 192 168 2 67 255 255 0 132 168 2 254	

This page shows current Internet connection status (WAN port), including **Connection Type**, **Connection Status**, **WAN IP address**, **Subnet mask**, **Default Gateway** and **DNS server**. If it is dynamic IP way, "**Disconnect**" button or "**Connect**" button will be shown above. Click "**Disconnect**" button to release current WAN Port IP Address, then click "**Connect**" button to refresh WAN IP address; if it is PPPoE way, then "**Connect**" or "**Disconnect**" button will be shown above. Click "**Connect**" button to connect with Internet, click "**Disconnect**" button to disconnect with Internet.

Refresh Refresh current web page. All of the following web pages will have this button with the same function.

Save Save IP Router current configuration. All of the following web pages will have this button with the same function.

6.5.2 Wireless Status

Status)	> Wireless Status	Refresh	Save H
reless Co	onfiguration		
			4
	Wireless Status	Running : Used for LAN port(AP Mode)	
	SSID(Network Name)	zion	
	Mode	G and B	
	Region	Korea	
	Channel	6	
	SSID broadcasting	Started	
	Authentication Type	Automatic	
	Encryption Strength	Disable	
	MAC Authentication	Open	

Click "Status"->"Wireless Status" as following:

This web show current wireless part configuration, including:

Wireless Status: Show current wireless connector status.

SSID (networking name): Show current wireless networking name.

Mode: Current used wireless connector forwarding mode

Region: Show current channel region information

Channel: show current used channel

SSID Broadcast: Show SSID is on or off

Authentication Type: Show current used certification way

Encryption Strength: Show WEP encryption length (64/128 bits)

MAC Authentication: Show how to identify wireless customer by MAC address.



6.5.3 LAN Status

Clickl "Status"	->"LAN	Status"	as follows:
------------------------	--------	---------	-------------

Sta	tus >> LAN Status					Refr	esh	Save	Help
AN IS	aformation	_							
	Physical Address	00-0E-E	8-11-11-11						
	System IP Address	192 .	168 . 0	. 1					
	Subnet Mask	255 .	255 . 255	5.0					
	DHCP IP Pool	192 .	168 . 0	. 2	 192	. 168 .	0	254	
	Number of IP allocated	1	_						

LAN Information : Show user current LAN connecting status (LAN port and wireless connection) and DHCP server status, include MAC address of the LAN port ,and IP rent regions and quantities of IP address shared by Router among IP address ,subnet mask, DHCP server in LAN .

Shared IP information: Show IP address information rent by DHCP server Serial Number: The position in the subject Physical Address: MAC address of the client PC Types: Wireless /Wired, dynamic / static

6.6 BASIC SETUP 6.6.1 WAN Setup

Click "Basic Setup"->"WAN SETUP" as following:

Status	Basic Setup	System	QoS (NAT	Advance	ed
WAN Setup	Wireless Setup	LAN/DHCP Setup	Link Setup/Info	Routing Tab	le	
Basic Set	tup >> WAN Setup			Refresh	Save	Hel
baare bei	tup // what Secup			11011 0511	Dave	,

The way for Dynamic IP User, PPPoE(ADSL) user and static IP user to set up are illustrated in Chapter 6.2, 6.3, and 6.4 respectively. Please refer to those chapters.

MC-418A not only connect Internet by cable also with other AP by wireless, named wireless client mode. In this mode, wireless client PC cannot connect with this Wireless router in wireless way but by cable.

If choose this mode, configure wireless connection as Internet connection, click "Applied" and "restart". This mode enable user to obtain IP in WAN setup.

Note:

1. In client mode, click " Basic Setup "->"Wireless Setup" configure corresponding SSID and encryption way.

2. in client mode , wireless router WAN port will be disable.

6.6.2 Wireless Setup

Click "Basic Setup"->"Wireless SETUP" as following:

This web show the basic wireless parameter and wireless certification way configuration

-						
WAN Setup	ireless Setup LAN/D	CP Setup	Link Setup/Info	Routing Tab	le	
Basic Setup	>> Wireless Setup	1		Refresh	Save	Hel
Basic Setup Status	Running - Used for LAN	port(AP Mode	e)			
asic Setup Status Operation	Running - Used for LAN	port(AP Mode	e)			
Status Operation SSID	Running - Used for LAN	port(AP Mode	e) g and b 💌			
Status Operation SSID Region	Running - Used for LAN DN Modecom Korea	port(AP Mode Mode Channel	e) g and b 💌	Search the best ch	annel	

Basic Setup: Show current wireless status and basic parameter for configuration

Status: Show wireless connector status (on/off, AP/Client mode)

Operation: Wireless connector can be configured as on or off.

SSID: Record wireless SSID

Mode: If wireless connector conforms to 11G and 11B standard, pls choose "G and B"; If wireless connector only run under 11G standard, choose "g only mode".

Region: Configure region for wireless channel, no need to setup.

Channel: Choose the wireless networks channel in AP mode; In client mode, option for channel is disable. **Broadcast of SSID Option:** if SSID configured, AP broadcast SSID to wireless client.

After finishing configuration, click "Apply".

Authentication Type	Automatic 💌	
Incryption Strength	64 Bit 💌	
(ey Input Method	String	
asic KEY	Fill the values of Key	
☞ KEY 1		
C KEY 2		
C KEY 3		
C KEY A		

WEP Setup: Configure Certification way and WEP key.
Authentication Type: Choose authentication type (automatic/open system/share Key)
Encryption Strength: Choose Key length (64/128bits)
Key Input Method: Choose string, HEX or Pass phrase
Basic Key: Fill in Key value

After finishing configuration, click " Apply ".

Policy	Accept -	Apply
Address List To Be Rej	ected	MAC Addresses Currently Online
MOVE Check items to be re	moved	<== ADD Check items to be added
		Banual Input
		🗔 Get MAC address of this host

MAC Authentication: Configure MAC authentication, choose type (Open/Accept/Reject) and click "Apply" In open type: All the wireless clients can connect.

In Accept type: Specified clients can connect

In Reject type: Specified client was reject to connect.

Notes:

After setup, pls click "Save". Save Router configuration, otherwise, configuration will be lost when power off or router restarted.

6.6.3 LAN Status

Click "Basic Setup"->"LAN/DHCP SETUP" as following:

0	ic Setu	Syst	tem	QoS	U	NAT	U	Advanced
WAN Setup Wireless	s Setup 🤇	LAN/DHCP	Setup	Link Setup/	Info	Routing	Table	
Basic Setup >> LAN	/DHCP Setu	ıp				Refresh	s	ave He
rstem IP Setup								
S	System IP Add	dress	192	. 168 .	0.1			
S	Subnet Mask		255	. 255 .	255 . 0			
102 C			Apply					
ICP Setup DHCP Server Status		Runnin	Apply					
CP Setup DHCP Server Status DHCP Server Operation	n	Runnin Start •	Apply g					
ICP Setup DHCP Server Status DHCP Server Operation DHCP IP Pool	n	Runnin Start •	g 168 0	2	192		.254	
CP Setup DHCP Server Status DHCP Server Operation DHCP IP Pool	n	Runnin Start • 192	g 168 0 96 134	. <mark>2</mark> - 1	192 .[168 202 .[96	0		
CP Setup DHCP Server Status DHCP Server Operation DHCP IP Pool Manual DNS configu	n uration	Runnin Stat 192	g 168 0 96 134 Apply	. <mark>2</mark> - 1	192 . 168 202 . 96	0		
CP Setup DHCP Server Status DHCP Server Operation DHCP IP Pool Manual DNS configu Static Lease Tanag	n uration	Runnin Stat • 192 .	9 9 168 0 96 134 Apply	2 - 133 -	192 , 168 202,96	0	.[254	

in IP Setup	Twin IP		
in IP Setup			
in IP Setup	Twin IP Setup		
in it setup		T-in TP Setan	
		IP Setup	

LAN port basic parameter and DHCP server parameter can be setup in this web page.

System IP Setup If you want to change Router LAN port address, you can setup as follows:

System IP address IP address in LAN. This IP address is factory default value **192.168.0.1**, and you can change it.

Subnet Mask Subnet mask in LAN. This value cannot be changed.

TCP/IP protocol configuration includes IP address, subnet mask, Gateway and DNS server and so on. It is not easy to configure TCP/IP protocol correctly in all computers in LAN, but it is lucky that –DHCP Server has provided this function. If you choose the DHCP function, you can let DHCP Server configure TCP/IP protocol in all computers in LAN automatically.

DHCP Setup: If you want to able or disable DHCP Server, change DHCP address range, you can choose the following options:

DHCP Server Status Display DHCP Server current status.

DHCP Server Operation Able and disable DHCP Server. The default value is able DHCP Server.

DHCP IP Pool IP address range automatically allocated by DHCP Server is address pool.

Manual DNS configuration: Let DHCP Server automatically allocated the DNS Server to Client PC.

Static Lease Management This function makes sure the convenient control of the IP address in LAN computers. Static lease IP can obligate static IP address for computer with appointed MAC address. Afterwards when the computer asks DHCP Server for IP address, DHCP Server will give it the obligated IP address.

Add hardware address & IP pair on the real network: Choose this function, IP Router list PC IP address and MAC address to be binded, click "Add" to implement binding.

C Add hardware address & IP pair manually	
3	
IP Address	Physical Address
☑ 192.168.0.2	00-A0-B0-13-F5-10

www.modecom.eu

Add hardware address & IP pair manually: Choose this option, user just input the MAC address and IP address of PC to be binded

Notes:

1. In order to use DHCP function of the Router, TCP/IP protocol of computers in LAN must be configured as "automatically get IP address".

2. After completion please click "Apply" to make the configuration valid. Please save the configuration, otherwise configuration will be lost when Router is power off or restarts.

6.6.4 Link Setup/Info

Click "Basic setup"->" Link Setup/Info" as follows:

Sta	itus Ba	sic Setup	System	Qol	s	NAT	Advanced
WAN Set	up Wireles	ss Setup L	AN/DHCP Setu	p Link Se	tup/Info	Routing Table	r
Basic	Setun >> Li	nk Setun/Inf				Refresh	Save Help
Link Set	ap						
Port	Mode	Speed		Apply			
WAN	Auto 🗸	10Mb	ps 🐱	Apply			
1	Auto 🗸	10Mb	ps 🗸	Apply			
2	Auto 🗸	10Mb	ps v	Apply	-		
3	Auto	10Mb	ns v	Apply			
	- terto	- Gretter		1.466.12			
4	A				1.1		
4 Link Inf	Auto mode	only					
4 Link Inf Port	Auto mode ormation WAN	only	2	3	3	4	
4 Link Inf Port Link	Auto mode	only 1 Off	2 Off	3) n	4 Off	
4 Link Inf Port Link Speed	Auto mode ormation WAN On 100 Mbps	1 Off -	2 0ff	3 0: 100 1) n Mbp <i>s</i>	4 Off	
4 Link Inf Port Link Speed Deuplex	Auto mode Ormation WAN On 100 Mbps Full	1 0ff - -	2 0ff -	0: 100 J Fu	3 n Mbps 11	4 0ff -	
4 Link Info Port Link Speed Deuplex	Auto mode ormation WAN On 100 Mbps Full	1 off -	2 0ff 	0: 100 1 Fu	3 n Mbps 11	4 	
4 Fort Link Inf Link Speed Deuplex Link Stat	Auto mode ormation WAN On 100 Mbps Full tistics	1 Off -	2 0ff - -	3 00 100 Fu	3 n Mops 11	4 0ff - -	
4 Fort Link Speed Deuplex Link Stat	Auto mode Auto mode WAN On 100 Mbps Full tistics	1 Off - - WAN	2 Off 	2	3 n Mbps 11	4 off - -	
4 Port Link Speed Deuplex Link Stat Por Rx-Pac	Auto mode ormation WAN On 100 Mbps Full tistics ct ckets	1 0ff - - - WAN 419	2 0ff - 1 0	2 0 100 100 100 100 100 100 100 100 100	3 n m Mbps 11 3 2325	4 	_
4 Fort Link Infe Speed Deuplex Link Stat For Rx-Pac Rx-By	Auto mode ormation WAN On 100 Mops Full tistics ct ckets ptes	000 Jy 1 00 ff - - - - WAN 419 109782	2 Off - 1 0 0	2 0 100 Fu 2 0 0	3 n Mbps 11 3 2325 343104	4 0ff - - - - 4 0 0	
4 Port Link Inf. Speed Deuplex Link Stat Por Rx-Pac Rx-Bros	Auto mode ornation WAN On 100 Mbps Full tistics rt ckets rts adcast	001y 1 0ff - - - - - - - - - - - - - - - - - -	2 Off - -	2 0 1000 Fu 2 0 0 0 0	3 n Mbps 11 3 2325 343104 130	4 	
4 Port Link Inf. Speed Deuplex Link Stat Poo Rx-Pac Rx-Bro Rx-Bro Rx-Mult	Auto mode ormation WAN On 100 Mbps Full tistics ct ckets cytes adcast ticast	1 0ff - - 109782 171 0	2 Off - -	2 0 100 Fu	3 n Mbps 11 2325 343104 130 10	4 0ff - - 0 0 0 0	
4 Port Link Inf Speed Deuplex Link Stat Por Rx-Pac Rx-Bro Rx-Bro Rx-Bro Rx-Bro Rx-Bro	Auto mode ormation WAN On 100 Mbps Full tistics tistics tistics tickets ptes adcast ticoast trons	NAN 1 0 1 0 1 0 0 0 0	2 Off 	2 0 100 1 Fu 2 0 0 0 0 0 0 0	3 11 3 3 2325 343104 130 10 0	4 	
4 Port Link Inf. Speed Deuplex Link Stat Poo Rx-Pac Rx-Boo Rx-Broo Rx-Broo Rx-Broo Rx-Hut Tx-Pac	Auto mode ornation WAN On 100 Mbps Full tistics et ckets types addcast ticast ticast ckets	VAN 419 109782 171 0 0 224	2 Off 	2 0 0 0 0 0 0 0 0 0 0	3 n. Mbps 11 2325 343104 130 10 0 2256	4 	
4 Port Link Inf Port Link Speed Deuplex Link Stat Por Rx-Pac Rx-Bro R	Auto mode ornation WAN On 100 Mbps Full tistics ct ckets ckets dcast ticast tror ckets vtes	1 Off - WAN 419 109782 171 0 224 54262	2 Off 	2 0 0 Fu 2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 n Mbps 11 33 2325 343104 130 100 2256 521680	4 	

All IP Router ports' speed, Link information and port statistics data and so on can be setup by this web page: Link Setup Setup every port's connection speed. Port Router WAN Port and LAN Port. Mode Automatic mode and manual mode turn on/off. Speed Setup port speed. Apply Apply current setup. Link Information Display all current ports connection status. Port Router WAN port and LAN port. Link Connection port is being used or not. Speed Current port speed. Duplex If FULL, then it is full Duplex; If HALF then it is half- Duplex Link Statistics Display received and sent-out data flow from every current port.

Note:

Click "Save" to save this Router configuration, otherwise configuration will be lost when power is off or PC restarted.

6.6.5 Routing Table

Static routes can be added if you require specific routes, Click "Basic setup"->" Routing Table" as follows:

Status	Basic	Setup	System	m Q	oS.	NAT	Adva	nced
WAN Setup	Wireless S	Setup	LAN/DHCP Se	etup Link S	Setup/Info	Routing	Table	
Basic Setu	p >> Routi	ing Table				Refresh	Save	He]
tatic Routin	g Table							
tatic Routin Typ	ag Table	arget		Mask	Gatewa	1		
tatic Routin Typ	ng Table 9 T. T. ▼ [arget	[Mask	Gatewa	/		
tatic Boutin Typ NE	eg Table T	arget	<u> </u>	Mask Add	Gatewa			
tatic Routix Typ NE	g Table	arget	 Ma	Masi Add	Gatewa	/ 		

Type Routing Type. Have two options: NET/Host.

Target: Enter in the IP of the specified network or host that you want to access using the static route
Mask: Enter in the subnet mask to be used for the specified network, For example:255.255.255.0=>24.
Gateway: Enter in the gateway IP address to the specified network.
For Complete Setup, Please click "Add" button to add a Routing rule.

Note:

Click "Save" to save this Router configuration, otherwise configuration will be lost when power is off or PC restarted.

6.7 SYSTEM 6.7.1 PASSWORD

Click "System" -> "Password" as follows

System administrator ID and password can be changed by this web page.

Admin Setup Firmwe	are Upgrade System Lo	g Misc.		
System >> Admin Se	tup		Refresh	Save He
ogin Account Setup				
	Current Login ID	root		
	Current Password	1		
	New Login ID			
	New Password			
	Re-type New Password			
	A	Apply		
min E−mail Setup				
	Admin E-mail			

Apply

SMTP Account SMTP Password

Firstly please input your old ID and password, and then input your expected new ones. If your old ID and password which have been input are correct then click **"Apply"** to successfully change.

Admi E-Mail Setup: If user wants to receive IP Routing log, configure Email address and SMTP server to receive.

Note:

1. According to the safety, we strongly recommend you to change the initial administrator username and password. If you forget your system password please change them to factory default values by Reset button.

2. If want to restore the default value, Please press Reset button and pull out the power adapter DC plug then insert the DC plug, about 5 seconds later RUN LED will flash rapidly, then release the button. After Router startup, all configuration will restore to default configuration.

6.7.2 Firmware Upgrade

Click **"System"** ->**"Firmware Upgrade"** as follows Router will be obtained new function by upgradetion.

How to upgrade firmware:

Login our website www.modecom.eu, download advanced software to local hard disk; please pay attention to model number.

Status	Bazic Setup	System QoS	NAT	Advanc	ed
Admin Setup	Firmware Upgrade	System Log Misc.			
			(1997)	1000	100
System >> I	firmware Upgrade		Refresh	Save	Helj
System >> I	firmware Upgrade ade Firmware Version	1.04	Refresh	Save	Helj

By updating the Router software, you can get new functions or performance.

Software update steps:

1) Login our company homepage www.modecom.eu, **download new version software to your local hard disk. Please notice production and software type.**

2) Click "Browse" button to choose you downloaded file.

				<u> </u>	<u> </u>
Look in:	🗁 upgrade	•	- 🗈 📥	*	
My Recent	415a_ch_1_016	>			1
Desktop					
Documents					
y Computer					
%					
ly Network Places	File name: 41	5a_ch_1_016	•	Open	
Status	Basic Setup	System	QoS	NAT	Advanced
Status Admin Setu	Basic Setup p Firmware Upgrade	System Log Mis	QoS)	NAT	Advanced
Status Admin Setu	Basic Setup p Firmware Upgrade	System Log Mis	QoS .	NAT	Advanced
Status Admin Setu System	Basic Setup p Firmware Upgrade >> Firmware Upgrade	System Log Mis	QoS c.	NAT Refresh S	Advanced Save Hell
Status Admin Setu System 2	Basic Setup p Firmware Upgrade >> Firmware Upgrade	System Log Mis	9.05 c.	NAT Refresh S	Advanced
Statuz Admin Setu System S Firmware Up	Basic Setup p Firmware Upgrade >> Firmware Upgrade pgrade	System System Log Mis	QoS c.	NAT Refresh S	Advanced Save Hely
Status Admin Setu System S	Basic Setup p Firmware Upgrade >> Firmware Upgrade pgrade Firmware Versi	System Log Mis	QoS c.	NAT Refresh S	Advanced
Status Admin Setu System S	Basic Setup p Firmware Upgrade >> Firmware Upgrade pgrade Firmware Versi Build Date	System Log Mis System Log Mis 00 1.04 Fri Jul 16 16:53:58	QoS c. KST 2004	NAT Refresh S	Advanced
Statuz Admin Setu System S	Basic Setup p Firmware Upgrade >> Firmware Upgrade pgrade Firmware Versi Build Date New Firmware	System System Log Mis 000 1.04 Fri Jul 16 18:53:58 Z:\backun3\produce	QoS c. KST 2004 V01-router/Fin Bro	NAT Refresh S	Advanced

3) Click **"Upgrade"** button to upgrade system software.

Firmware Upgrade

Upgrade process is completed. When the system is restarted configuration page will be opened automatically. Please, wait a minute

4) After update, Router will restart automatically.

5) Please check you firmware version.

Note:

Update phase is about 60 seconds. During the update progress please do not turn the power off otherwise the Router will be damaged.

6.7.3 System log

Click "System" ->"System log" as follows

Status	Basic Setup	System	QoS	NAT	Advan	ced]
Admin Setup	Firmware Upgrade	System Log	Misc.			
System >> F	irmware Upgrade			Refresh	Save	Help
ir av are Vpgra	ade	- Al				
irmware Upgre	ade	1.04				
irmware Upgre	Firmware Version Build Date	1.04 Fri Jul 16 16:53	3:58 KST 2004			

This web record router system log and can switch system log status for checking system history happens on the Router.

6.7.4 Misc.

Click "System" ->"Misc." as follows

Status Ba	asic Setup	Gystem QoS NAT	Advanced
Admin Setup Firm	ware Upgrad	e System Log Misc.	
System >> Misc.		Refresh	Save He
ostname Setup			
1	Hostname	Apply	
Config Ment/Besta	rt		
Config Back	up	Download configuration file into your PC	
Config Back	up owse	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button	
Config Back	up owse pre	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button.	
Config Back	up owse ore ault om	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button. To restart the system, click this button. But, some configuration would be erased if you didn't save a con	figuration.
Config Back	up owse ault em	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button. To restart the system, click this button. But, some configuration would be erased if you didn't save a con	figuration.
Config Back	up owse	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button. To restart the system, click this button. But, some configuration would be erased if you didn't save a con	figuration.
Config Back Br Config Restor Restore Defa Restore Defa Restore Defa Restore Defa System Time System Time	up owse re anult am Thu Jan 1 I	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button. To restart the system, click this button. But, some configuration would be erased if you didn't save a con D1:31:27 1970	figuration.
Config Back Br Config Restor Restore Defa Restore Defa Restart System System Time Setup Time Server	up owse , we set the set of th	Download configuration file into your PC After browsing a configuration file, click "Config Restore" button To restore the factory default configuration, click this button. To restart the system, click this button. But, some configuration would be erased if you didn't save a con 01:31:27 1970	figuration.

Config Back	up	Download configuration file into your PC			
Config Rest	rowse	After browsing a configuration file, click "Config Restore" button			
Restore Defa	ault	To restore the factory default configuration, click this button.			
		To restart the system click this button.			
Hestart Syste	em	But, some configuration would be erased if you didn't save a configuration			
Hestart System ten Time Settup Ourrent Bystem Time	em Thu Jan	But, some configuration would be erased if you didn't save a configuration			
Hestart System tem Time Seturn Current System Time Time Server	em Thu Jan time.nis	But, some configuration would be erased if you didn't save a configuration 1 01:31:27 1970 st.gov			

UPHP Setap	
	Enable UPNP Server Apply
Auto Connecting	
	Connect with a system setup-page automatically
	when a internet was disconnected

Setup Hostname: Configure Router name in the networking presented on the report forwarded to administrator mailbox.

Config Mgmt /Restart:

Config Backup: Enable user to backup all the configurations.

Config Restore: Restore previous configuration on router.

Restore Default: Restore defaulted configuration provided by manufacturer, including:

Defaulted user name: Blank

Defaulted IP address: 192.168.0.1

Defaulted Subnet Mask: 255.255.255.0

Restore defaulted configuration provided by manufacturer, router will reboot automatically.

Restart System: Click "Restart System", router will reboot automatically.

System Time Setup: For sake of Scheduler. pls configure accurate time system. Refresh router current time in accurate time zone : Or choose other system server until time to be refreshed.

UPNP Setup: UPNP is configured as defaulted. General plug and play UPNP refer to system architecture for the networking between PC and other universal intelligent equipments, especially for the SOHO user. UPnP works with wired or wireless networks and can be supported on any operating system. UPnP boasts device-driver independence and zero-configuration networking, enable networking equipments connect automatically and working harmoniously.

6.8 QoS 6.8.1Basic Setup

Click "QoS" ->"Basic Setup" as follows

	IP QoS Appl	ication QoS Por	t QoS			
QoS >> Basic	Setup			Refr	esh Save	Hel
S Basic Setup						
		QoS Status	Started			
		QoS Status QoS Operation	Started			
W Speed Setup		QoS Status QoS Operation	Started			
UN Speed Setup		QoS Status QoS Operation	Started			
W Speed Setup	Internet Type	QoS Status QoS Operation VDSL Pro	Started n Stop			

Function: Above web is for user to configure Qos basic functions status, access to the Internet and bandwidth speed.

Setup Method:

Start up Qos, configure the access to the internet and bandwidth speed under subject of internet throughput, Qos specify the throughput level of the internet application, and then click "Apply".

Notes:

1. If Internet throughput configuration changed, current Qos configuration will be missing.

- 2. Save current configuration before router power is off or reboot.
- 3. For the management, prefer to static lease IP or using static IP address on client's PC.

6.8.2 IP QoS

Click "QoS" ->"IP QoS" as follows

asic Setup IP QoS	Application Q	oS Port QoS	<u> </u>	
QoS >> IP QoS			Refresh	Save He
nn hw TP Address				
up by 11 Address				
I	nternet Rate	Download 13 Mbps	Upload 13 Mbps	
	192 168	. 10 . –	192 . 168 . 10	
IP Address	C Twin IP			
Operation Mode	Max. Limit	•		
Download Rate	0 Kbps	Vpload Rate	ОКыр	os 💌

Function:

IP Qos enable user to control forwarding and downloading speed between the maximum and minimum on PC with specified IP address.

Setup Method:

Fill in specified IP address in the column, choose operating mode (maximum Limit /Minimum Guarantee), and then fill value in forwarding and downloading Bandwidth throughput, click "Apply". If delete current configuration, choose the value, click "del"

Notes:

1. If Internet throughput configuration changed, current Qos configuration will be missing.

- 2. Save current configuration before router power is off or reboot.
- 3. For the management, prefer to static lease IP or using static IP address on client's PC.

6.8.3 Application QoS

Click "QoS" ->"Application QoS" as follows

Status	Basic Setup	System	QoS	NAT	Adva	nced
Basic Setup IP	QoS Application	a QoS P	ort QoS			
QoS >> Applicat	ion QoS			Refi	resh Save	He
etup by Applicati	on)					
					4.0	
	T-I	n - 1	1 10 11	11.1	111	
	Internet Rate	Downlo	oad 13 Mbps	Upload 13	Mbps	
Apps	Internet Rate Operatio	Downlo n Mode	oad 13 Mbps Download	Upload 13	Mbps Upload	ŕ
Apps	Internet Rate Operatio) Max.Limi	Downlo n Mode	oad 13 Mbps Download	Upload 13	Mbps Vpload Kbps 💌	1
Apps WWWWOTTP Soribada	Internet Rate Operatio) Max.Limi .	Downlo n Mode t •	Download 0 Kbps 0 Kbps	Upload 13	Mbps Vpload Kbps 💌	
Apps WWW OffTP Soribada GuruGuru	Internet Rate Operatio) Max.Limi . Max.Limi . Max.Limi	Downle n Mode	Download 0 Kbps 0 Kbps 0 Kbps	Upload 13	Mbps Upload Kbps • Kbps •	
Apps WWW OTTP Soribads GuruGuru WinMX	Internet Rate Operatio) Max. Limi Max. Limi Max. Limi Max. Limi Max. Limi		Download Download Download Kbps D Kbps D Kbps	Upload 13	Nbps Vpload Kbps • Kbps • Kbps •	
Apps WWW OffTP Soribada GuruGuru WinMX	Internet Rate Operatio) Max.Limi Max.Limi Max.Limi Max.Limi Max.Limi Max.Limi Max.Limi		Download Download Download Kbps D Kbps D Kbps D Kbps D Kbps D Kbps	Upload 13	Mbps Vpload Kbps • Kbps • Kbps • Kbps •	

Function :

QoS on application programme bandwidth throughput will be specified between maximum or minimum value.

Setup Method:

Choose application programme to be specified, choose operation mode (maximum Limit /Minimum Guarantee), specify the bandwidth throughput value, and click "Apply".

If want to delete current configuration, choose the column to be deleted, and click "Apply".

Notes:

1. If Internet throughput configuration changed, current Qos configuration will be missing.

- 2. Save current configuration before router power is off or reboot .
- 3. For the management, prefer to static lease IP or using static IP address on client's PC.

6.8.4 Port QoS

Click "QoS" ->"Port QoS" as follows

Basic Setu	p IP QoS A	pplication QoS	Por	t QoS	Ind	() Adva	aceu
QoS >> 1	Port QoS				Refr	esh Save	Hel
tup by P	ort						
	Internet	t Rate	Downly	oad 13 Mbps	Upload 1	3 Mbps	
			-				
	External. Port #			Protocol	TCP 💌	I	
	Operation Mode	Max. Limit	•				
	Download	0 Kbr)s 🔻	Upload	0	Kbps 💌	

Function:

QoS on port bandwidth throughput will be specified between maximum or minimum value.

Setup Method:

Choose port to be specified, choose operation mode (maximum Limit /Minimum Guarantee), specify the bandwidth throughput value, and click "Apply".

If want to delete current configuration, choose the column to be deleted, and click "Apply ".

Notes:

1. If Internet throughput configuration changed, current Qos configuration will be missing.

- 2. Save current configuration before router power is off or reboot.
- 3. For the management, prefer to static lease IP or using static IP address on client's PC.

6.9 NAT

6.9.1 Applications

Click "NAT"->"Applications", as follows:

Status Saste Setup	System 500 MAL Advanced
Applications Internal Server	Fort Forwarding Fort Trigger NAT On/Off
HAT \gg Applications	Refresh Save Help
Application Satup	
pplication	Internal IP Address
🗂 BuddyBuddy	192 . 163 . 0 .
🗂 WinAmp Broadcasting	192 . 163 . 0 .
🗖 GuruGuru	192 . 163 . 0 .
NetMeeting	132 . 163 . 0 .
🔲 WinMk	192 . 163 . 0 .
C Windows XP/2000 Remote Desktop	192 . 169 . 0 .
Network Drive	192 . 163 . 0 .
🔲 H.323 Internet Phone	192 . 163 . 0 . 1719
🗂 Soribada2	132 . 163 . 0 .
Soribada2 Multi Forward Option	UDP port 22321 & 7674 is forwarded by using non-standard NAT algorithm

MODE COM

	-		
MODE COM			

Port Nu	mber			Add	
		in second	Traces	1000/2	T says 1

Some programs such as Internet network game, Video meeting, network phone and so on need more than one connection. Because of Firewall some of the programs can not work with simple NAT IP Router. But **"Applications"** can make those programs work well with NAT IP Router.

Function

This page is only for the special application programs that cannot work well with Firewall or Proxy Server. If use these functions I, make the special application programs work well with IP Router.

Setup Method

Choose needed application grogram. Then fill the program's IP address in **"Internal IP address"**. Click **"Apply"** to make it effective.



1. If you want to save all values after Router power off or restart, please click "Save" button which is in right-above to save current values.

2. If you want to choose option "Applications", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.

3. The following is the list of all application port:

6.9.2 Internal Server



Click "NAT"-> "Internal Server" as follows:

MODE COM

Because there is Firewall function in the Router, if computers in WAN try to access servers in LAN through the Router, under default configuration the firewall protection will not allow the access, then conflict occurs – at the same time Router has to protect computers in LAN from WAN, at the other time it has to allow access of valid users in WAN.

Here the Router provides you **"Internal Server"** function to solve the conflict. Virtual Server provides one service port. All service requests to this port will be relocated to the servers whose IP address has been appointed in LAN.

Function

After been setup the IP Router can allow some services, such as DNS^{III}SMTP^{III}POP3^{III}HTTP^{III}NEWS^{III}FTP^{III}TeInet^{III} PPTP in LAN, to be open to Internet. Then users from Internet can access servers in your LAN; Or by setting up DMZ Server you can allow all application services and ports of one Server in your LAN to be open to Internet.

Setup Method

1. Please confirm the LAN services which you wan to be open to Internet according to the following list:

Protocol	Server
DNS	DNS (Domain Name Server)
SMTP	SMTP (Simple Message Transfer Protocol)
POP3	POP3(Post Office Protocol)
HTTP	Web Server
News	News Server
FTP	FTP File Transfer Server
Telnet	Telnet Server
PPTP	VPN (Virtual Private Network)

2. Choose the Server which you want to be open to Internet, then input Server IP address. Click **"Apply"** button to make current setup valid. Note: All open protocol port should be standard port, otherwise Router can not transfer the data package from the invalid port which you have configured; You can change external port number. But other users who want to access the services which you have setup have to setup the port number before successful access.

3. If you want to setup **"DMZ Host"** please choose **"DMZ "** option, then input the internal Server's IP address which you want to be open to Internet. Router will transfer all received data packages except those which have been setup in **"Internal Server"** to DMZ Server, and will allow the unlimited dual communication between DMZ Server and outside Internet. If you are using a new network application but Router can not transfer data package without knowing the Port of this application, then you can setup all DMZ ports to be open. After DMZ service being effective, firewall protection of this computer will be invalid, please notice the safety.

1. If you want to save all values after Router power off or restart, please click "Save" button which is in right-above to save current values.

2. If you use "Internal Server", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.

Application	Port
BuddyBuddy	TCP 812, TCP 987
WinAmp Broadcasting	TCP 8000
GuruGuru	TCP 9292 TCP 9999
NetMeeting	TCP 1720
WinMX	TCP 6699 UDP 6257
Windows XP/2000 Remote Desktop	TCP 3389 UDP 3389
Soribada2	UDP22321

6.9.3 Port Forwarding

Click "NAT"->"Port Forwarding" as follows:

Function

By the Port Range which user has setup, "**Port Forwarding**" will be defined as Service Port. All requests to this port will be transferred to the computer which appointed with "Internal PC IP address".

Setup Method

Input port transfer details which you want to setup in **"Rule Name"**. Choose **"Protocol"** and **"External Port Range"** which you want to setup. Then setup **"Internal PC IP Address"** and Port Transfer Range. Click **"Add"** to apply current configuration. If you want to delete rule, then choose the rule which you want to delete, click **"Delete"**.

Rule Name: Port transfer details need to be added.

Protocol: Port transfer protocol. There are 2 choices: TCP and UDP.

External Port Range Port Range which is open to outside.

Internal PC IP Address IP address of the computer to which IP Router will transfer data.

Internal Port Range Internal PC Port Range.

Note

1.If you want to save all values after Router power off or restart, please click "Save" button which is in right-above to save current values.

2. If you use "Port Forwarding", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.



6.9.4 Port Trigger

Click "NAT"->"Port Trigger" as follows:

Status	Basic Setup	System	QoS	HAT	Advand	ed
Applications	Internal Serv	er Port Forwa	rding Fort Trigger	NAT On/Of	f	
HAT >> Port	Trigger			Refresh	Save	Hel
ort Irigger S	etup					
	Rule Name					
	Rule Name	Protocol	TCP •			
	Rule Name Port Trigger	Protocol Port Range				
	Rule Name Port Trigger	Protocol Port Range Protocol				
	Rule Name Port Trigger Port Forward	Protocol Port Range Protocol Port Range	TCP			

Function

If application program is connected form forward ports. All in trigger ports will be opened to prepare for connection.

Setup Method:

Key in the description which you setup the function on the trigger port, Setup the protocol and range of the trigger port, then setup the protocol and range of the forward port, Click **"Add"** Button and add the rule, If want to delete the current rule, Please select the rule which you want to delete and click **"Del"** button.

Rule Name: The description of adding the trigger port.

Port Trigger: Setup the trigger port.

Protocol: Select the trigger port's protocol (TCP / UDP)

Port Range Trigger port's range.

Port Forward: Setup the forward port

Protocol: Select the forward port's protocol (TCP / UDP)

Port Range Forward port's range.

6.9.5 NAT ON/OFF

Click "NAT"->"NAT ON/OFF" as follows:

Status	Basic Setup	System	QoS	HAT	Advance	ed
Applications	Internal Server	Port Forwarding	Port Trigger	NAT On/Of	£	
				100 March 100 Ma		1000
HAT >> HAT (Dn/Off			Refresh	Save	Hel
HAT >> HAT (On/Off	1		Refresh	Save	Hel
HAT >> HAT (AT On/Off Set	up	1		Refresh	Save	Hel

Make this router be operated on the NAT Off mode If this option is checked, all features about NAT will be disabled automatically

6.10 Advanced Setup 6.10.1 Firewall

Click "Advanced"->"Firewall" as follows:

Firewall	DDNS WOL URL Filter Remote Mgmt Scheduler VPN Setup	
Advanced >>	Firevall Refresh S	ave Hel
Blocking DoS		
F	SYN Flooding 🔽 Smurf 🔽 IP source routing 🔽 IP Spoofing	
Г	Blocking ICMP(ping) from internet	
Г	Blocking ICMP(ping) from LAN to internet	
	Apply	
Direction		
Direction Source HW addre	[_AN > WAN ▼ 	
Direction Bource HW addre	LAN > WAN ISS Search MAC address Image: Constraint of the search machine in the search ma	
Direction Source HW addre Source IP Addres	LAN > WAN •	
Direction Source HW addre Source IP Addres	LAN > WAN sss Search MAC address C C C Net Mask	
Direction Source HW addre Source IP Addres Destination IP Address	LAN > WAN sss Search MAC address C C C Net Mask C Net Mask	
Direction Source HW addre Source IP Addres Destination IP Address Protocol	LAN > WAN ISS Search MAC address C C Image: Comparison of the second sec	
Direction Source HW addre Source IP Addres Destination IP Address Protocol	LAN > WAN S Search MAC address S C Net Mask C Net Mask C Net Mask C Net Mask C	·



Function

Blocking Dos Blocking list from all attack, all default value of the options mentioned above is **ON**. **Blocking ICMP (ping) from Internet:** In order to setup Ping package from Internet to which Router has no response. It is for the protection from shock wave attack and other hacker detects.

Blocking ICMP (ping) from LAN to Internet: In order to setup Ping package from LAN to which Router has no response. It is for the protection from shock wave attack.

Connection Filtering: By setting up IP address Filter, data package from source IP address to destination address can be accepted or dropped.

Setup Method

1. Choose Dos attack from which needed protected, then click **"Apply"** button to effect current configuration. (Note: Current all options' default value is **ON**)

2. Setup relative parameter of connection filter. Click **Add** to effect current configuration. If you want to delete current rule, then choose the rule and click **"Delete"** button.

Direction Setup the orientation of connection filter. There are two options: **"WAN"**->**"LAN"** and **"LAN"**->**"WAN"**.

Source IP Address IP Router address of the computer which sends the data.

Net Mask Subnet Mask of the computer which sends the data. Such as 255.255.255.0 will be 24.

Destination IP Address IP Router address of the computer which receives the data.

Net Mask Subnet Mask of the computer which receives the data. Such as 255.255.255.0 will be 24.

Protocol Protocol support. There are four options: Any TCP UDP and ICMP Any refers to all protocols.

Destination Port Protocol port of destination computer. If any, then it cannot be setup.

Accept/Drop Setup "Connection Filtering" to accept or drop data package.

Note

1. If you want to save all values after Router power off or restart, please click "Save" button which is in right-above to save current values.

2. If you use "Connection Filter", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.

6.10.2 DDNS

Advanced >> DD	S			Refresh	Save Hel
DDHS Status					
	DynDNS C	ient Operation St	topped		
	* Sign up w	ww.dyndns.org first.	(Free)		
DDES Setup					
	DynDNS Operation	Start 💌			
	User ID	[
	Password				
	Password	Apply			
	036110	3 H.			

Click "Advanced"->"DDNS" as follows:

With Internet connections ways such as ADSL or Cable Modem, normally ISP will allocate a dynamic IP address. **Dynamic domain name service** is a method of keeping a domain name linked to dynamic IP address gets from ISP. But dynamic domain name service depends on dynamic domain name service system. This function can allow you to use registered dynamic domain name service no matter how IP address changes.

Before use DDNS, an account provided by DDNS provider is needed.

Choose Dynamic DNS to be **Stat**, input valid **"User ID"** and **"Password"** that got from DDNS provider. Fill your registered domain name in **"Host Name"**. Click **"Apply"** button to effect current configuration.

DDNS Status Display current DDNS status. "Started" or "Stopped".

DynDNS Operation DDNS "Start/Stop"

User ID The valid ID which you get from DDNS provider.

Password The valid password which you get from DDNS provider.

Host Name The valid domain name which you get from DDNS provider. $\! \boxtimes \!$



6.10.3 WOL

Click "Advanced "->"WOL":

Firewall	DDNS (WO)	L URL Filter Remote	Mgmt Scheduler	VPN Setup	\sim
Advanced	>> TOL			Refresh	Save Helj
OL PC Regi	stration				
OL PC Regi	stration	-			
TOL PC Regi C Name nysical Addres	ss Auto	- 00 - A0 - B0 - 13	-F5 -10	Search	MAC address

Function

This function allows the wake-up signal from LAN or remote equipment to connect to Router's Internal network, and supports network wake-up computers.

Setup Method

1. If you want to send network wake-up signal to special client computer, please input the computer's name and LAN Card's MAC address. Then click **"Add"** button to add new rule.

2. After setup, click **"Wake-up PC"** button to send network waken-up signal to the computer which you want to wake up.

3. If you want to delete current rule, please choose rule then click "Delete" button.

6.10.4 URL Filter

Sta	us)	Basic Setu	φ	System	QoS		NAT		Advance	a)
Firewall	DDMS	WOL C	URL Fi	lter	emote Mgmt	Schedu	ler	VPN Setup		
Advan	ed >> UR	L Filter				(Ref	fresh	Save	Hel
URL Filt	ering Set	up	,							
				Status	Stopped					
				Operation	Start					
Filterin	g Rule			Operation	Start					
Filterin Idress	g Rule (* 192	. 168 . 1)))	Operation	Start	58 . 0	•	□ ALL II	P	
Filterin Jdress ysical	g Rule	. 168 . [1	.	Operation	Start [192 . [16 0 Sea	68 . 0	- Idress	□ all I	P	
Filterin ddress wysical mput tring	s Rule	. 168 . T)) 	Operation 		8 . 0	idiess	L ALL II	P	
filterin Idress ysical put ring	g Rule		0 . [Operation		88 . 0 ch MAC ad	idiess		P	
Filterin Idress upsical uput tring Fil	e Rule	. 168 . [1 	D	Operation	Start	68 . 0	ldiess d		P	Del

Click "Advanced "->"URL Filter" as follows:

Function

In order to control the web stations which can be accessed by the computers in LAN, you can use **"URL Filter"** function by PC's IP or MAC address to appoint the web stations which can be allowed to access or not.

Setup Method

1. Click "start" button to start URL Filter function.

2. Input the IP address or MAC address which you want o filter in "IP Address". Input the web station address which you want to filter in "Input String". For example, if you want to forbid users to access "www.xxx.com", you may input "www.xxx.com" in "Input String".

- 3. Click "Add" button to effect current configuration.
- If you want to delete current rule, please click "Delete" button follow with the rule. Status URL filter current status. "Started " or "Stoped".

Operation URL setup **"Start"** and **"Stop"** switch. Click **"Start"** button to start **"URL Filter"**, click **"Stop"** button to forbid **"URL Filter"**.

IP Address Setup all computers which you want to limit. Include IP address and MAC address limit. Choose **"All IP"** to limit all computers in LAN; when choose MAC address, the default MAC address is the MAC address of the IP Router which you are accessing.

Input String The web station URL or keyword which you want to limit the access.

By inputting www.xxx.com to limit users to access www.xxx.com

By inputting web sites' keywords, such as **sex xxx** (between is Blank) to forbid users to access www.sex.com and **www.xxx.com**.

A Note

1. If you want to save all values after IP Router power off or restart, please click "save" button which is in right-above to save current values.

2. If you use "URL Filter", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.

6.10.5 Remote Management

Click "Advanced"->"Remote Mgmt" as follows:

Status Basic Set	up System	QoS		NAT	Advanc	ed
Firewall DDNS WOL	URL Filter Remot	e Mgmt	Scheduler	VPN Setu	ıp	
Advanced >> Remote Mgmt				Refresh	Save	Hel
						-
Bemote Mgmt Setup	-					
Remote Mgmt Setup			_			
Bemote Hgmt Setup	Status	Stopped	Tr.			
Remote Hgmt Setup	Status Operation	Stopped	Ī			7

This page is to setup Router's remote management and WEB management ports. After start Remote Management, users can remote manage the Router by "http://WAN port IP address: Your setup Port (be-tween is colon)"; If you want to start remote management, please setup "Management port" then click "Apply".

Status Display the status and management Port number of remote management setup.

Operation Router remote management **Start/Stop** switch.

Management Port Remote WEB management port number.

6.10.6 Scheduler

Click "Advanced"->"Scheduler" as follows:

	II DDWS	WOL. URL H	'ilter Remote Mgmt	Scheduler	VPN Setup	
Adva	nced >> Sc	heduler		Ret	fresh	Save Help
Schedul	e Setup					
)ays To B	lock	🗆 Sun 🗖 Mor	a □ Tue □ Wed □	Thu 🗆 Fri 🗆	Sat	Everyday
ime To B	lock	00:00 🕶 ~ 0	0:00 💌 (24 Hour)			🗆 ALL Day
ddress	IP	192 168	.0	192 . 168 .		□ ALL IP
o Block	Netmask	C 192 . 1691				
0 Dioch		C 00 -00	-00 -00 -00 -00) Sea	rch MAC ado	tress
o biotit	Physical	. 100 100				Construction of Construction o

Function

This function can limit Internet access time of client computers in LAN. Then client computers in LAN can not access Internet in special time, but in other time the access can be allowed.

Setup Method

- 1. Setup the days which you want to limit or "Everyday".
- 2. Choose limited time period or "All Day".
- 3. Input the IP or MAC address of the computer which you want to limit or "All IP".

- MODIE COM
 - 4. Click "Add" button to effect current configuration.
 - 5. If you want to delete current rule, please click "Delete" button follows with the rules. Days To Block The days you want to limit. From "Monday" to "Sunday" or "Everyday". Time Of Day To Block The time you want to limit. "24 Hours" or "All Day". Address To Block The computers you want to limit. "IP /Mask" or "Physical", or "All IP".

/Note

1. If you want to save all values after Router power off or restart, please click "save" button which is in right-above to save current values.

2. If you use "Scheduler", we recommend you to use "Reserving IP" function or use static IP address in client computer in order to manage it easily.

6.10.7 VPN Setup

Click **"Advanced"**->**"VPN Setup"** as follows:

	. ()	U	U		
Firewall DDNS	WOL URL Filter	Remote Mgmt	Scheduler	VPN Setup	
Advanced >> VPH	Setup			Refresh	Save Hel
PN(PPTP) Setup					
	VPN Server Statu	s Started : MPPE	encryption		
	Encryption(MPPE) ON 💌			
	Operation	Start 💌			
		Apply			
PH (PPTP) Account					
	CONTRACTORNAL DATA	A reading and			
	VPN Account				
	VPN Account VPN Password		1	1	
	VPN Account VPN Password Assign IP Address	192 . 168 . 0		1	
	VPN Account VPN Password Assign IP Address	192 . 168 . 0 Add			
VPN Account	VPN Account VPN Password Assign IP Address Assign IP Addres	192 . 168 . 0 Add	on State	Disconned	tion Del

Function

This wireless router VPN server allow 5 user to get in at same time.

Setup Method

VPN (PPTP) setup Check Apply button to open VPN server

VPN (PPTP) account Type in VPN client Account and Password also enter account IP address then check add button

If want to delete current account, check the account and check delete button to delete it.

/Note

If you want to save all values after Router power off or restart, please click "save" button which is in right-above to save current values.

1 Appendix A UTP Cable specification

Twisted pair Category-5 straight-through cable Twisted pair Category-5 Cross over cable





Be inspired.

Be satisfied...



modern

b e