# MEDIALINK





# 150Mbps Wireless N Router User Guide

MODEL NO: MWN-WAPR150Nv2

### **Simple Setup**

Simplified Steps To Install This Product Quickly And With Ease

### **Enhanced Performance**

**Advanced Security** 

Wireless Connection Speed Of Up To 150Mbps | 2.4 GHz Wireless Technology Effectively Protect Your Wireless Network With WPA / WPA2 Encryption

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### **Chapter 1 Product Introduction**

Thank you for purchasing the Medialink Wireless 150N Router!

This router is extremely easy to setup and easy to use. It supports 802.11n devices and is backwards compatible with 802.11b/g devices. The router can support various types simultaneously without slowing down your network.

The Medialink wireless router includes a router, four-port Fast Ethernet (10/100) switch and firewall. It provides powerful online monitor functions and supports URL filter and MAC filter. With WDS function, it can repeat and amplify wireless signals from compatible Access Points so as to enlarge network coverage area. It supports UPnP and WMM to make your audio and video streaming smooth. With QoS function, it can efficiently distribute the data downloading from your ISP to the clients in your network.

### 1.1 Package Contents

Please verify the following items after you open the package:

- > One Wireless N Broadband Router
- > One Quick Installation Guide
- One Power Adapter
- One CD

If any of the listed items are missing or damaged, please contact the Medialink seller for immediate replacement.

### **1.2 LED Indicators and Port Description**

### Panel and LED indicators show:



LED indicator description on the front panel

LED indicator	Status	Description		
POWER Continuously lit		Indicates the router is on and has power.		
SYS	Flashing	Indicates the router is operating correctly.		
WAN	Continuously lit	Indicates the router's WAN port is connected to an Ethernet device.		
	Flashing	Indicates the port is transmitting and/or receiving data packets.		
WLAN	Continuously lit	Indicates the wireless function is enabled.		
	Flashing	Indicates it is wirelessly transmitting data		
	Continuously lit	Indicates the router's LAN port is connected to an Ethernet device.		
LAN(1/2/3/4)	Flashing	Indicates the port is transmitting and/or receiving data.		
WPS	Flashing	Indicates the device is communicating with the client in WPS mode.		

### **Back panel ports**

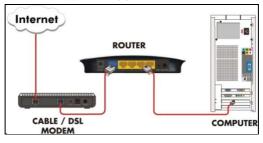


### Back panel port description

Port/Button	Description
	Can be connected to Ethernet devices such as MODEM, Switch, Router, etc.,
WAN	Usually it is used to connect DSL MODEM or Cable MODEM, or ISP
	network cable for connecting to the Internet.
LAN	Can be connected to an Ethernet switch, Ethernet router, or NIC card.
<mark>(1/2/3/4)</mark>	Mostly they are used to connect to computers, Ethernet switches, etc.
	The system reset/ WPS button. Press and hold this button for 7 seconds
	and all of the settings will be deleted and router settings will be restored to
RESET/ WPS	factory default. Hold the button for 1 second and the WPS feature will be
	enabled. The WPS LED will flash when communicating in this mode.
DOWED	The jack is for power adapter connection. Please use the included standard
POWER	power adapter.

### **Chapter 2 Product Installation**

- 1. Please use only the included power adapter to power your router. (**NOTE**: Use of an unmatched power adapter could cause damage to this product).
- 2. Please connect the router's LAN port to your computer with an Ethernet cable and connect your broadband line provided by your ISP to the router's WAN port.



3. By default the Medialink router is set to use a Dynamic (DHCP) connection through the WAN port so unless you have a DSL Modem that requires the router to use a PPPoE type setup, then you will immediately have Internet access through the Medialink router. If you have a PPPoE setup that requires a DSL Username and Password to be entered into the router proceed to Step 4.

4. PPPoE Setup

- a. Open any Internet browser such as Internet Explorer or Firefox.
- b. In the address bar, type http://192.168.8.1 , then hit "Enter" on your keyboard.
- c. At the prompt enter the default Username (admin) and Password (admin).

d. Select "PPPoE", enter your DSL Username and DSL Password provided by your ISP and hit "Apply"

# Chapter 3 How to configure your computer's Ethernet

### (LAN) connection.

(Please note that most computers are already configured correctly and do not require this step.)

### 3.1 How to Set the Network Configurations

### Network Configurations under Windows XP

1. Right click "My Network Places" on your computer desktop and select "Properties".



2. Right click "Local Area Connection" and select "Properties".



3. Select "Internet Protocol (TCP/IP)" and click "Properties".

ieneral Advanced		
Connect using:		
🕮 Realtek RTL813	9 Family PCI Fast Etl	Configure
This connection uses th	e following items:	
🗹 🚚 QoS Packet S		~
AEGIS Protoco		5.3.0
hereiten ander eine eine eine eine eine eine eine ei	or(rervir)	~
<	III	>
Install	Uninstall	Properties
Description		
Transmission Control wide area network pr		
across diverse interco		communication
Show icon in notifica	V	
Notify me when this		
Trodiy no where and	Sol in Bodion mas in no	So of the contractivity

4. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically". Click "OK" to save the configurations.

General	Alternate Configuration				
this cap		l automatically if your network suppo ed to ask your network administrator			
<ul> <li>⊙ 0</li> </ul>	btain an IP address autom	natically			
OU	se the following IP addres	s:			
IP a	ddress:				
Subr	net mask:				
Defa	ult gateway:	· · · · · ·			
⊙ 0I	btain DNS server address	automatically			
OU	se the following DNS serv	rer addresses:			
Prefe	erred DNS server:				
Alter	nate DNS server:				
		Advance	:d		

Or if you want to specify a Static IP Address for your computer, select "Use the following IP address" and enter the IP address, Subnet Mask, Default Gateway as follows:

- > IP Address: 192.168.8.XXX: (XXX is a number from 2~254)
- Subnet Mask: 255.255.255.0

- **Gateway:** 192.168.8.1
- DNS server: You should input the DNS server address provided by your ISP. Otherwise, you can enter 192.168.8.1. Click "OK" to save the configurations.

	l automatically if your network supports ed to ask your network administrator for
C Obtain an IP address autor	natically
Use the following IP address	38:
IP address:	192.168.8.2
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.8.1
C Obtain DNS server address	automatically
Use the following DNS service	ver addresses:
Preferred DNS server:	192.168.8.1
Alternate DNS server:	
	Advanced

### **Network Configurations under Windows 7**

1. Click the network icon and on the lower right corner of your computer desktop, and then click" Open Network and Sharing Center".



2. Click "Change adapter settings" on the left side of the window.



3. Right click "Local Area Connection" and select "Properties".

	-	Disable	
-		Status	f
		Diagnose	
ď	•	Bridge Connections	
		Create Shortcut	
	9	Delete	
	•	Rename	
		Properties	

4. Double click" Internet Protocol Version 4(TCP/IPv4)".

Conn	ect using					
Com			E8036 PCI-E I	Card Dilan	ant Controller	
	Marveir	TUKOTI 66	E0030 FCI-E	rast Ether	riel Controller	
					Configure	
This o	onnectio	on uses the	e following iter	ns:		
			soft Networks			
		Packet Sc				
			Sharing for Mi			
			(IEEE 802.1)			
			ol Version 6 (T			
			ol Version 4 (T			
			ology Discove			
	Unk-	Layer Top	ology Discove	ry Kespor	ider	_
	Install		Uninstall		Properties	
Der	cription					_
Tra	ansmissio	on Control I	Protocol/Inter	net Protoc	ol. The default	
wid			tocol that pro		munication	
	oss dive	rse interco	nnected netw	orks.		
ac						

5. Select "Obtain an IP address automatically" and "Obtain DNS server address

automatically". Click "OK" to save the configurations.

Seneral	Alternate Configuration			
this cap	n get IP settings assigned au bability. Otherwise, you need appropriate IP settings.			
<u>o</u>	btain an IP address automati	cally		
OU	se the following IP address:			
IP a	ddress:			
Subr	net mask:			
Defa	ult gateway:		- 2	
0	btain DNS server address au	tomatically		
- U	se the following DNS server a	ddresses:		
Pref	erred DNS server:			
Alter	mate DNS server:			
V	alidate settings upon exit		Ady	anced

Or if you want to specify a Static IP Address for your computer select "**Use the following IP address**" and enter the IP address, Subnet mask, Default gateway as follows:

ieneral	
	d automatically if your network supports need to ask your network administrator
Obtain an IP address auto	matically
Use the following IP addre	SS:
IP address:	192.168.8.2
Subnet mask:	255.255.255.0
Default gateway:	192.168.8.1
Obtain DNS server address	s automatically
• Use the following DNS serv	ver addresses:
Preferred DNS server:	192.168.8.1
Alternate DNS server:	• • •
🔲 Validate settings upon exi	t Ad <u>v</u> anced

- IP Address: 192.168.8.XXX: (XXX is a number from 2~254)
- > Subnet Mask: 255.255.255.0
- **Gateway:** 192.168.8.1
- DNS server: You should input the DNS server address provided by your ISP. Otherwise, you can enter 192.168.8.1. Click "OK" to save the configurations.

### 3.2 Log in to the Router

1. To access the Router's Web-based Utility, launch a web browser such as Internet Explorer or Firefox and enter http://192.168.0.1 Press "Enter".

🙋 http://192.168.8.1/

2. You will be prompted to Login. The Default Username is "admin" and the Default Password is "admin" as well. Click Apply to enter the router's GUI.

Usaman john OntartUsaman amm Fassoc jam Ontartusama amm Appy Canad	Login		_	
			(Default Usemame: admin)	
Rept. Cased	Password:	admin	(Default Password: admin)	

Note: To change the Login Credentials once you are logged in, go to "Advanced Settings" > "System Tools" > "Change Username/Password".

 Once you have logged in, you will be directed to the Basic Settings Page where you can name your wireless network and set a password as well as configure your connection type. Click "Advanced Settings" to adjust any other settings within the router.



### 3.3 Fast Internet Access

Two kinds of fast access methods are provided on the router's web-based utility or GUI: DHCP and PPPoE (aDSL Virtual Dial-Up).

If you select DHCP, you can choose to change the Wireless SSID (name of network) and/or the Wireless Password if you want. Then click "Apply" to complete the settings.



If you select PPPoE, you only need to enter the DSL Username and DSL Password. If you are unsure of your DSL Username and Password, please contact your Internet Service Provider (ISP). If you want to change the Wireless SSID (name of network) and/or the Wireless Password you can do that here. Then click "Apply" to complete the settings.



The default access method is DHCP. For other access methods, please refer to WAN settings in Chapter 4. The wireless password must contain at least 8 characters. The

default is "password" and you can change it whenever you want.

### 3.4 Default Wireless Settings

Your Medialink router is set by default to have a Wireless SSID "medialink". This is the name of your network that will appear in a list to choose from on any device in range of the router.

The default wireless security settings on your router are WPA-Personal using AES Algorithm for encryption. You can choose to you other security methods in the Advanced Settings. The password otherwise known as "Network Key" or "WPA Key" is set to "password" by default. This can be changed but please note it is case sensitive and must contain at least 8 characters.

(For advanced setting or to disable wireless security, please refer to Chapter 5.2).

### **Chapter 4 Advanced Settings**

### 4.1 System Status

The System Status screen allows you to view the router's (blue) WAN port status and system status.

WAN Status:		
Connection Status	Disconnected	
WAN IP		
Subnet Mask		
Gateway		
DNS Server		
Alternate DNS Server		
Connection Type	Dynamic IP	
Connection Time	00:00:00	
Release Refr	sh	

Connection Status: This displays the router's WAN connection status. Disconnected: indicates the router's WAN port has not been connected with a network cable.

Connecting: indicates the router's WAN port is obtaining an IP address. Connected: indicates the Router is connected with your ISP or modem.

- **WAN IP** : IP address obtained from ISP, modem, or router.
- Subnet Mask: Obtained from ISP, modem, or router.

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- > Gateway: Obtained from ISP, modem, or router.
- > DNS Server: Obtained from ISP, modem, or router.
- > Alternate DNS Server: Obtained from ISP, modem, or router.
- > Connection Type: displays your current access method.

System Status:	
LAN MAC Address	
WAN MAC Address	
Firewall	Enable
System Time	
Running Time	
Connected Client	
Firmware Version	V5.07.39_en_MDL01
Hardware Version	V3.0

- > LAN MAC Address : displays the Router's LAN MAC Address.
- > WAN MAC Address : displays the Router's WAN MAC Address.
- > System Time : displays the system's updated time.
- Connected Client : displays the number of the connected computers whose IP addresses were obtained via DHCP server.
- > Firmware Version : displays the Router's firmware version.
- > Hardware Version : displays the Router's hardware version.

### 4.2 WAN Settings

Click "Advanced Settings" > "WAN Settings" to enter the following screen:

### PPPoE (aDSL Virtual Dial-up)

dvanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	WAN Setting rol   Firewall		ngs   MAC (	Clone   DNS S	ettings   Traff	io Statistics
	1	Ande PPPOE	v			
	ISP User	name (or Email)	[jsmth@ISPc	fomain.net		
		ISP Password	•••••			
		MTU	1492 (De	fault Setting is 14	92)	
		Service Name		(Only enter th	is information if	
			structed by ISP	3		
		Server Name	structed by ISP	_	is information if	
	Select your conn	ection mode:				
	Connect Auto	matically: Corne	ot automatically	to the internet at	ter rebooting the	
syste	m or connection	failure. (Recomm	ended)			
		Demand: Re-estal	alish connection	to the internet or	ly when there is a	iata
trans	mitting.					
	Max Idle Time 6	0 (60-3600	Seconds)			
	O Connect Man	ually: Require the	user to manual	ly connect to the	Internet before es	rice
	on.					
	O Connect Duri	ng Specified Time	Period.			
	Note:To use the	Connect During I	Specified Time I	Period' mode, you	must first set th	
	Settings" in "Sys					
	Connection Time	From 0 H	ours 0 N	linutes To 0	Hours 0	
Minut						

- > Mode: Shows your current connection mode.
- > ISP Username (or Email): Enter the Username provided by your ISP.
- > ISP Password: Enter the password provided by your ISP.
- MTU: Maximum Transmission Unit is the size of the largest data packet that can be sent over the network. The default value is 1492. Do NOT modify it unless necessary, but if a specific website or web application software cannot open or be enabled, you might want to lower the MTU value to 1450, 1400, etc.
- Service Name: The connection name for your PPPoE must only be entered if instructed by your ISP. Otherwise leave it blank.
- Server Name: The server name must only be entered if instructed by your ISP. Otherwise leave it blank.
- Connect Automatically: Connect automatically to the Internet after rebooting the system or after connection failure.
- Connect on Demand: Re-establish your connection to the Internet after the specific time (Max Idle Time). Zero means you are connected to the Internet at all

times. Otherwise, enter the minutes to be elapsed before you are disconnected from the Internet.

- Connect Manually: Connect to the Internet by users manually.
- Connect on Fixed Time: Connect to the Internet during the time you fix automatically.
- > Click "Apply" when finished.

# 

The "Connect on Fixed Time" goes into effect only when you have set the current time in "Time Settings" from "System Tools".

### Static IP

If you have a Static IP account with your ISP, please choose static IP. You will need to enter the IP Address, Subnet Mask, Gateway, DNS Server and Alternate DNS Server provided by your ISP or network administrator.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	WAN Settings			Clone   DNS S	ettings   Traff	o Statistics
	Mo	se Static I				
	IP Addre	10.1.10	14			
	Subnet Ma	ak 255.25	5.255.0			
	Gatero	y 10.1.10	1			
	DNS Serv	er 10.1.10	1			
	Atemate DNS Serv	er		(Optional)		
	M	u 1500	Default Settin	g ie 1500)		

- > **Mode:** Shows your current connection mode.
- IP Address: Enter the WAN IP Address provided by your ISP. If you are not clear, please contact your ISP.
- Subnet Mask: Enter the WAN Subnet Mask provided by your ISP. Typically it is 255.255.255.0 or similar.
- Gateway: Enter the Default Gateway provided by your ISP. If you are not clear, please contact your ISP.
- > DNS Server: Enter the DNS server provided by your ISP.
- Alternate DNS Server: Enter the second DNS address if your ISP provides one. (optional)
- > Click "Apply" when finished.

### **Dynamic IP (Via DHCP)**

If your connection mode is Dynamic IP, it means every time you access the Internet, you

will get a different IP Address. You do not need to enter any parameters in this mode, just Click "**Apply**" to apply the setting.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
System Status	WAN Setting	LAN Sett	ings   MAC 0	Clone   DNS S	ettings   Traff	o Statistics
	ol Firewall					
	Mo	de DHCP	~			

### PPTP

			<			
Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings		
	WAN Setting			Clone   DNS S	ettings   Traff	ic Statistics
	м	ode PPTP	~			
	PPTP Server Addr	ess				
	Userna	ime				
	Passy	ord				
	A	по 1452				
	Address M	ode Dynamie				
	IP Addr	ess 0.0.0.0				
	Subnet M	ask 0.0.0.0				
	Gate	vay 0.0.0.0				
		(A	poly Can	el l		

- > **Mode:** Show your current connection mode.
- PPTP Server Address: The IP address or domain name of the destination server is used to specify the destination address for the PPTP connection.
- Username/Password: Used to validate identity when connecting to the PPTP server.
- Address Mode: Set the router's IP address mode. You can select either "Dynamic" or "Static". If your ISP doesn't provide the IP address, please select "Dynamic".
- > IP Address: Please enter the IP address provided by your ISP.
- Subnet mask: Please enter the subnet mask provided by your ISP, generally it is 255.255.255.0 or similar.
- > Gateway: Please enter the gateway provided by your ISP.
- > Click "Apply" when finished.

### L2TP

Advanced Settings		DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	WAN Setting			Clone   DNS S	ettings   Traff	ic Statistics
Sandwidth Com	ion prenewant p	WAN Open				
	м	de L2TP	~			
	L2TP Server Addr					
	Userna	me				
	Passw	ord				
	N	ти 1452				
	Address M	ode Dynamie				
	IP Addr	ess 0.0.0.0				
	Subnet M	sk 0.0.0.0				
	Gater	av 0.0.0.0				

- > Mode: Shows your current connection mode.
- L2TP Server Address: The IP address or domain name of the destination server is used to specify the destination address for the L2TP connection.
- Username/Password: Used to validate identity when connecting to the L2TP server.
- Address Mode: Set the router's IP address mode. You can select either "Dynamic" or "Static". If your ISP does not provide the IP address, please select "Dynamic".
- > IP address: Please enter the IP address provided by your ISP
- Subnet mask: Please enter the subnet mask provided by your ISP, generally it is 255.255.255.0 or similar.
- Gateway: Please enter the gateway provided by your ISP.
- > Click "Apply" when finished.

### 4.3 LAN Settings

Click "Advanced settings" > "LAN settings" to enter the following screen:

	DIAL		<			
Advanced Settings		DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	s   WAN Settings trol   Firewall			Clone   DNS S	ettings   Traff	ic Statistics
	This page is used t	to set the basic	network parame	eters for LAN.		
	LAN MAC Addre	55				
	IP Addre	ss 192.16	3.8.1			
	Subnet Ma	sk 255.25	5.255.0			
		A	pply Cano	cel		

- > LAN MAC Address: The Router's LAN MAC Address, which is unchangeable.
- IP Address: The Router's LAN IP Address (not your PC's IP address and not the WAN IP Address that your router acquires from your modem/ISP). The default value is 192.168.8.1. You can change this when necessary.
- Subnet Mask: The Router's LAN Subnet Mask. The default value is 255.255.255.0
- Click "Apply" when finished.

### 

Once you modify the IP address, you need to remember it for next time you log in to the web-based utility. If your computer loses access to the router after you change the LAN IP Address, you will need to refresh the computer's connection to the router. Disabling/Enabling the Local Area Connection is one way to do that.

### 4.4 MAC Clone

This page is for the Router's MAC Address that is registered to the WAN connection.

Some ISPs require the end-user's MAC Address to access their network. This page will allow your router to copy the MAC Address of your connected computer to the router so that your ISP connection will work properly.

	JIAL		<			
Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
System Status Bandwidth Contr				lone   DNS S	ettings   Traff	ic Statistics
	MAC Address Clon	e				
	F	MAC Restore Defau		14:35:8B:02:C4 Ione MAC Adda	_	
		_	oply Cano	_		

- MAC Address: The MAC Address to be registered with your Internet Service Provider.
- Clone MAC Address: Copies your PC's MAC Address. Make sure you are using a computer that does work properly when connected directly to your modem and that your computer is currently connected to your Medialink router via Ethernet.
- Restore Default MAC Address: Restores the MAC Address to the default factory MAC Address.

Click "Apply when finished.

**NOTE:** After the settings are completed, reboot the device to activate the modified settings.

### 4.5 DNS Settings

DNS stands for Domain Name System (or Service).

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
System Status Bandwidth Contr			ngs   MAC (	Clone DNS S	ettings   Traff	ic Statistics
		DNS Assignment	_			
		.,	8.8.4.4	( Opt		

- > Enable Manual DNS Assignment: Select to enable the manual DNS settings.
- > Primary DNS Address: Enter a valid DNS address.
- Alternate DNS address: Enter a valid DNS address or leave this field blank. (optional)
- > Click "Apply" when finished.

NOTE: After the settings are completed, reboot the device to activate the modified

settings.

### 4.6 Traffic Statistics

Traffic statistics is used to display the bandwidth that LAN devices have used.

Advanced Settings	Wireless Settings	DHCP Server	Virtua Serve		curity ttings	Routin	
				AC Clone	DNS S	ttings   i	Traffic Statistic
Bandwidth Cor	trol Firewall	WAN Spe					
	able traffic statisti						
				Sent Bytes		Received	Connection

**Enable Traffic Statistics**: Enable the Medialink router to calculate the traffic used by the LAN devices. By default, Traffic Statistics is disabled to improve the router's data packet processing ability. When this function is enabled, the webpage will refresh automatically every five minutes, meanwhile, each computer's traffic value will refresh automatically.

- > **IP Address:** The IP address of the device whose traffic is being calculated.
- Uplink Rate: The data speed of data sent from the device per second, the unit is KByte/s.
- Downlink Rate: The data speed of data received by the device per second, the unit is KByte/s.
- Sent Message: The number of the calculated data packets that are sent out through the router.
- Sent Bytes: The volume of the calculated device's statistics that is sent out through the router.
- Received Message: The number of the calculated data packets that are received through the router.
- Received Bytes: The volume of the calculated device's statistics that is received through the router.

### 4.7 Bandwidth Control

Bandwidth control is used to limit the data traffic of LAN computers when accessing the Internet. It can simultaneously control maximum of 254 PCs' traffic. In addition, IP address range configuration is supported.

Advanced Settings			Virtual Server	Security Settings			ystem Fools
		ngs   LAN Set		Ione   DNS	Settings	Traffic St	atistics
<b></b>	Enable Bandwidth	h Control					
	IP R	Range: 192.168.	.8. ~				
	Upload/Dow	nload: Upload					
	Upload/Dow Bandwidth R			(Byte/s)			
	Bandwidth R			(Byte/s)			
	Bandwidth R	tange:		(Byte/s)			
	Bandwidth R	tange:	~ 0	(Byte/s)			

- Enable Bandwidth Control: enables or disables the internal IP bandwidth control. The default is disabled.
- IP Range: The IP address range of the hosts whose traffic has been controlled. It can be a single IP address or IP address range. (For Single IP, enter the same IP in both fields.
- > Upload/Download: specifies the traffic direction for the selected IP addresses.
- Bandwidth Range: The maximum and minimum upload/download data traffic of the hosts in specified IP range. The unit is KByte/sec. The uplink of upload and download cannot exceed the WAN port bandwidth limitation range (by default is 1500 or 1492).
- Enable: enables the current edited rule. Otherwise, the rule will not go into effect.
- Add to list: After you edit the rule, click the "Add to list" button to add the current rule to the rule list.

Here we take 2Mbps bandwidth as an example. Theoretically, the biggest downloading rate for 2Mbps bandwidth is 2Mbps=256KByte/s, and the biggest uploading rate is 512kbps=64KByte/s

### Example 1

If you want to set the download rate of the computer at the IP address of 192.168.8.2 as 80-90KByte/s, upload rate as 10-15KByte/s, first add one upload rule as shown in the picture below:

### MEDIALINK

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Securit Setting		touting ettings	System Tools
System Status Bandwidth Con		ngs   LAN Se Statistics   Fi				tings   W	AN Speed
			ienan j man	incurum 1	/pc		
<u>ا</u> ۲	Enable Bandwidth	Control					
	IP R	ange: 192.168.6	2 ~ 2				
	Upload/Down	load: Upload	-				
	Bandwidth R	ange: 10	~ 15 (KB	te/s)			
	Er	iable: 🔽					
			Add to list				
	IP Range	Destination	Bandwidth F	ange	Enable	Edit D	elete

- 1. Enter 192.168.8.2 in the both IP address fields
- 2. Select upload in the Upload/Download field.
- 3. Enter 10-15 in the bandwidth range field
- 4. Select "Enable"
- 5. Click "Add to list"
- 6. Click "Apply" to finish the upload rule settings.

And then add a download rule as shown in the picture below.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routin Setting	
System Status andwidth Con		ngs   LAN Se Statistics   Fi		Clone   DNS Medium Type	Settings	WAN Speed
5 F	nable Bandwidt			_		
	IP R	ange: 192.168.	8. 2 ~ 2			
	Upload/Down	nload: Downlo	ad 💌			
	Bandwidth R	ange: 80	~ 90 (KB)	te/s)		
	E	nable: 🔽				
			Add to list			
No.	IP Range	Destination	Bandwidth R	ange Ena	ble Edit	Delete
No.	IP Range	Destination	Bandwidth R	ange Ena	ble Edit	Delete

- 1. Enter 192.168.8.2 in the both IP address fields
- 2. Select download in the Upload/Download field.
- 3. Enter 80-90 in the bandwidth range field
- 4. Select "Enable"

- 5. Click "Add to list"
- 6. Click "Apply" to finish the download rule settings.

**Example 2** Set the download rate of all computers within the range of 192.168.8.2--192.168.8.254 as 100-120KByte/s, and the upload rate as 20-30KByte/s, as shown in the picture below.

Upload Rule:

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Setting		outin etting	
stem Status	WAN Settin			Clone   DI Medium Ty		ings	WAN Speed
	inter province of	tation of the	Terren   Tren	i meanani ry	pe		
₽ E	nable Bandwidth	Control					
	IP Ra	nge: 192.168.8	8. 2 ~ 254				
	Upload/Downl	oad: Upload	-				
	Bandwidth Ra	nge: 20	~ 30 (KB	ivte/s)			
			100 (10	10001			
-	Eni	able: 🔽					
			Add to list				
No	IP Range	Destination	Bandwidth		Enable	Fdit	Delete

Download Rule:

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	Systen Tools
ystem Status andwidth Cont	WAN Setting			Clone   DNS Medium Type	Settings   W/	AN Speed
R E	nable Bandwidth C	Control				
	IP Ran	ige: 192.168.8	2 ~ 254			
	Upload/Downic	ad: Downlos	ad 💌			
	Bandwidth Ran	ige: 100	~ 120 (KB)	te/s)		
	Ena	ble: 🔽				
			Add to list			
No.	IP Range	Destination	Bandwidth R	ange Enal	ble Edit Del	lete

### 4.8 Firewall

This page allows you to disable/enable the router's Firewall.

# Advanced Wireless DHCP Virtual Security Routing System Settings Settings Server Server Settings Settings System System Status WAN Settings LAN Settings MAC Clone DNS Settings WAN Speed Bandwidth Control Traffic Statistics Trowont WAN Medium Type If Enable Firewall Apply Cancel

### 4.9 WAN Speed

Advanced Settings		DHCP Server	Virtual Server	Security Settings		
	WAN Setting			Dione   DNS S	ettings   Traff	ic Statistics
Cr	oose the WAN Sp	eed:				
(D)	NUTO					
	OM HALF-duplex					
0	IOM FULL-duplex					
	100M HALF-duplex					
100	00M FULL-duplex					

This page allows you to set the connection speed of the WAN port. It is not recommended to adjust this setting.

### **Chapter 5 Wireless Settings**

### 5.1 Wireless Basic Settings

Advanced Settings		DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basi	s Settings   Wire	less Securit	y   MAC Filte	r   Connection	Status	
₽.e	nable Wireless Fund	tion				
V	Vireless Working Mor	ie 🕘 Wirele	as Access Poin	t(AP) O WDS Bri	ige Mode	
	Network Mot	te 11b/g/r	n Mixed Mode	~		
	Primary SSI	D medialin	k			
	Broadcast(SSI)	D) 🖲 Enabl	Disable			
	Chann	el Channe	11(2462MHz	) 🕶		
	WMM Capab	le 🖲 Enabli	Disable			
	APSD Capab	le O Enabl	e 💿 Disable			
	Channel Bandwid	th 0 20 G	20/40			
	Extension Chann	el Channe	7(2442MHz)	~		

- Enable Wireless Function: Select to enable the router's wireless features; deselect to disable it and all functions related with wireless will be disabled.
- Wireless Working Mode: This router provides two kinds of working modes: Wireless Access Point(AP) and WDS Bridge Mode

### Wireless Access Point (AP)

- > Network Mode: Select one mode from the drop-down list.
  - **11b mode :** Select it if you have only Wireless-B clients in your network.

11g mode : Select it if you have only Wireless-G clients in your network.

**11b/g mixed mode:** Select it if you have only Wireless-B and Wireless-G clients in your network.

- 11b/g/n mixed mode: Select it if you have Wireless-B, Wireless-G and Wireless-N clients in your network. This mode is default is recommended since b/g/n clients will each connect at their respective top speeds.
- Primary SSID: The unique name of the wireless network which can be modified at any time.
- Broadcast (SSID): Select "Enable" to enable the router's SSID to be detected by wireless devices. The default is enabled. If you disable it, the wireless devices must know the SSID for communication for it will be hidden.
- > Channel: The channel currently used by the router. Select an effective channel

(from 1 to 11 or AutoSelect) of the wireless network. The best channel is the least used channel by your neighbors.

- WMM Capable: Enables the router to enhance the transfer performance of the wirelessly transferred multimedia data (such as video or gaming). We recommend enabling this option at all times.
- > APSD Capable: Used for auto power-saved service. The default is disabled.
- Channel Bandwidth: Select an appropriate channel bandwidth to enhance the wireless performance. Select 20/40M when the network has 11b/g and 11n wireless clients. Select 20M when the network has only non-11n wireless clients. Select 20/40M to promote its throughput when the wireless network is in 11b/g/n mode.
- Extension Channel: This allows devices to connect at n speeds using a 40M bandwidth.

### WDS Bridge Mode Settings

WDS (Wireless Distribution System) is used to expand wireless coverage area. This can only be used with some wireless routers that support WDS and you must have ability to change the settings of both routers.

dvanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
lireless Basi	s Settings   Wi	reless Securit	y   MAC Filte	r   Connection	Status	
	nable Wireless Fur					
_	/ireless Working M		an Annan Dain	t(AP) () WDS Br	dan Mada	
	A COMPANY OF A CO		n Mixed Mode		office and a	
		SID medialin				
		SID)    Enabl				-
			11(2462MHz	)		
	WMM Cap	able () Enabl	e ODisable			
	APSD Cap	able O Enabl	e 🔮 Disable			
	Channel Bandw	idth 0 20 (	20/40			
	Extension Char	mel Channe	1 7(2442MHz)	~		
V/or	king Mode :WDS					
_	AP MAC Addres	18				_
	AP MAC Addres	15				
Note	: The Primary SS	D and Channel	will automatically	y be set to match	your selected Ac	cess
	Point. The Acce	ss Point you se	lect MUST suppo	ort WDS for this f	unction to work.	

AP MAC Address: Input the MAC address of another (opposing) wireless router that supports WDS that you want to connect.

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**Example**: This example shows how to bridge two MWN-WAPR150Nv2 routers. First check the following settings:

### First MWN-WAPR150Nv2 (connected to your ISP)

LAN IP Address: <Your Choice. We will use the default 192.168.8.1 for the example> SSID: <Your Choice> Channel: <Your Choice 1~11> Extension Channel: <Will be set automatically. Simply record it.> Wireless Security: <Your Choice> Wireless Working Mode: WDS Bridge Mode DHCP Server: Enabled

### Second MWN-WAPR150Nv2 (used to extend your network)

LAN IP Address: 192.168.8.XXX where XXX is 2~254 (192.168.8.2 will be used in this example) SSID: <MUST Match First MWN-WAPR150Nv2> Channel: <MUST Match First MWN-WAPR150Nv2> Extension Channel: <MUST Match First MWN-WAPR150Nv2> Wireless Security: <MUST Match First MWN-WAPR150Nv2> Wireless Working Mode: WDS Bridge Mode DHCP Server: Enabled (will be disabled as the last step of this configuration)

# Connect the Second MWN-WAPR150Nv2 to the First MWN-WAPR150Nv2 wirelessly:

1. Click "Open Scan" and select the First MWN-WAPR150Nv2 from the list and click the "OK" button on the dialog box and then the corresponding wireless MAC address will be added to the AP MAC address field automatically.

	System Tools	Routing Settings	Security Settings	Virtual Server	DHCP Server			Advand
		n Status	er   Connectio	ity   MAC Filte	less Secur	attings   Wirel	ss Basic Si	Wireless
or if						Mode :WDS	Working I	
it, th					1	AP MAC Address		
enal						AP MAC Address		
con	The	cted Access Point	to match your sele	utomatically be set	Channel will a	Primary SSID and C	Note: The	
the			S for this function t					
able		WORK.	5 for this function t	Cose Scan	nt you select i	Access Poin		
wire to th		0		Licee Scan			1	
×			vebpage	ge from v	Messa	SSID	Select	
selected.	oint you have :	the Access Po	o connect to	Click OK t	?	xcuthbertx	•	
					24	xcuthbert11 8x	c	
		Cancel	OK			RPMAP1	с	
neig		cure 64	6 se	F.61.8E.CE.61	00:0F		с	
D is us		cure 75	8 se	51:8F:C7:F0	00:0F		с	
for 8								

2. Scroll down to the bottom of the page and click "Apply" after the MAC address is added.

**Connect the First MWN-WAPR150Nv2 to Second MWN-WAPR150Nv2 wirelessly**: Repeat the steps above on the First MWN-WAPR150Nv2 to pair the two routers.

**Disable DHCP on the Second MWN-WAPR150Nv2:** Login to the Second MWN-WAPR150Nv2 at <u>http://192.168.8.2</u> and disable the DHCP Server. Click "Apply".

**Power Cycle**: After you are finished, power down both devices. Then power up the First MWN-WAPR150Nv2 first and then power up the Second MWN-WAPR150Nv2. You will now have a stronger signal to which you can connect.

**Placement**: You may now unplug the power from the Second MWN-WAPR150Nv2 and move it wherever you have an open electrical outlet. Ideally, the Medialink router should be placed halfway between your existing router and the ultimate location you wish to have a stronger signal.

### 5.2 Wireless Security Settings

The Medialink router is secured by default using WPA-PSK with AES Algorithm for encryption. The default Key is "password". WPA-PSK is very secure and very compatible with most devices. For stronger security, choose WPA2-PSK with AES. For even more universal security that is still very strong choose Mixed WPA/WPA2-PSK with TKIP&AES. Older devices may only support WEP security.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basi	o Settings   Wire	less Securit	MAC Filte	r   Connection	Status	
	SSID "medialin	ĸ				
	Security Mo	de WPA - F	PSK	~		
	WPA Algorithr	ns ④ AES	Откір Тк	IP&AES		
	к	ey passwor	d			
	Key Renewal Interv	val 3600	Seconds (Reco	mmended setting	is 3800.)	
	WPS Settin		e O Enable			

### 5.2.1 WPS Settings (Not Recommended)

WPS (Wi-Fi Protected Setting) makes it quick and easy to establish a secure connection between the wireless clients and the router. The users only need to enter a PIN code or press the WPS button for 1 second on the back panel to configure it without manually selecting an encryption method or setting a Key.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basic	Settings   W	reless Securit	MAC Filte	r   Connection	Status	
	SSID "mediali	nk"				
	Security M	ode WPA -	PSK			
	WPA Algorith	ims ④ AES	Откір П	KIPSAES		
		Key passwo	d			
к	ey Renewal Inte	rval 3600	Seconds (Reco	ommended setting	is 3800.)	
	WPS Sett	ngs – O Disab	le 🕘 Enable			
	WPS M	ode O PBC	PIN			

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- > WPS Settings: To enable or disable WPS function. The default is "Enable".
- **WPS Mode:** PBC (Push-Button Configuration) and PIN code.
- PBC: Select the PBC and click "Apply", or press and hold the WPS button on the back panel of the device for about one second. The WPS LED indicator will be flashing for 2 minutes, which means the WPS is enabled. During this time (flashing WPS LED), you can enable the wireless client to implement the WPS/PBC negotiation between them. When the WPS connection is completed, the LED indicator will be continuously lit. To add more clients, repeat the above steps.)
- PIN: If this option is enabled, you need to enter a wireless client's PIN code in the field and keep the same code in the WPS client.

# 

The use of WPS function requires the wireless client to support this function. If all devices do not support this function, then the devices that do not support it will not be able to connect. We do not recommend using WPS as it is not as secure as using other methods and creates compatibility issues in some networks.

### 5.2.2 WPA-PSK (WPA-Personal)

WPA authentication guarantees to protect wireless users' data and only the authorized network users will have access to the WLAN via the specified Network Key.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basic	Settings   Wire	less Security	MAC Filter	Connection	Status	
	SSID "medialini					
	Security Mo	de WPA - P	SK	~		
	WPA Algorithm	ns 💿 AES	Откір Тк	IP&AES		
	K	ey password	i			
	Key Renewal Interv	al 3600	Seconds (Recor	mmended setting	is 3800.)	
	WPS Settin	gs 💿 Disable	O Enable			

- WPA Algorithms: Provides TKIP [Temporal Key Integrity Protocol] or AES [Advanced Encryption Standard].
- > Key: Enter the pass phrase that consists of 8-63 ASCII characters excluding

these five characters \, '; "

Key Renewal Interval: Set the key's renewal period, which tells the device how often it should change the dynamic keys. It is not recommended to change this setting.

### 5.2.3 WPA2-PSK (WPA2-Personal)

WPA2 (Wi-Fi Protected Access version 2) provides higher security than and WPA (Wi-Fi Protected Access).

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basi	o Settings   Wi	reless Securit	MAC Filte	r   Connection	Status	
	SSID 'medial		DOV	(m)		
	Security N			~		
	WPA Algorit	hms • AES	Откір Оти	(IP&AES		
		Key passwor	d			
	Key Renewal Inte	rval 3600	Seconds (Reco	mmended setting	is 3800.)	
	WPS Sett	ings 💿 Disab	le O Enable			

- WPA Algorithms: Provides TKIP [Temporal Key Integrity Protocol] or AES [Advanced Encryption Standard].
- Key: Enter the pass phrase that consists of 8-63 ASCII characters excluding these five characters \, '; "
- Key Renewal Interval: Set the key's renewal period, which tells the device how often it should change the dynamic keys. It is not recommended to change this setting.

### 5.2.4 WEP

WEP (Wired Equivalent Privacy) provides 40-bit or 128-bit encryption to your wireless network.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings		System Tools
Wireless Basic	Settings   Wir	eless Securi	MAC Filte	r   Connection	Status	
	SSID "medialir	×				
	Security Ma	de WEP		~		
	Default Key	key1 M				
	WEP key1	ThirteenCha	irs	ASCI		
	WEP key2 :	ASCII		ASCII 💌		
	WEP key3 :	ASCII		ASCII		
	WEP key4	ASCII		ASCII 🛩		
		(inclusion)	le O Enable			

- Default Key: Determines which Key will allow wireless clients to be accepted into the network.
- WEP Key1~4: These are keys that you can choose to make active. Only one key is used at a time.
- ASCII/HEX: Each Key can be entered as 5 OR 13 case sensitive ASCII characters excluding these five characters \, '; " OR 10 OR 26 HEX characters including 0~9 and A~F only.

#### 5.3 MAC Filter

MAC Filter is based on the client's wireless MAC address to permit or forbid specific clients access to the wireless network.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basic	Settings   Wi	reless Securit	y   MAC Filte	Connection	Status	
	MAC Address F	iter Forbid	~			
		MAC Addr	ess			
	14 35	8B 1	7 02	10	Add	

- MAC Address Filter: "Permit" allows the clients in the list to be the only clients to be able to access the wireless network, "Forbid" prevents the clients in the list from accessing the wireless network but allows everyone else.
- MAC Address: Input the MAC address of the each wireless client to implement the filter policy. Click "Add". Repeat for additional clients.

- MAC Address list: Shows the added MAC addresses. You can add or delete them.
- > Click "Apply" when finished.

#### **5.4 Connection Status**

This screen shows each wireless client's connection status, including MAC Address, Channel Bandwidth.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Wireless Basis	o Settings   Wir	eless Security	y   MAC Filte	Connection	Status	
		(	Refresh			
	NO.	( MAC	Refresh Address	Bandwidth		

- > MAC Address: Shows the MAC Addresses of the clients connected to the router.
- Bandwidth: Shows the channel bandwidth of the currently connected wireless clients.

## **Chapter 6 DHCP Server**

#### 6.1 DHCP Server

DHCP (Dynamic Host Control Protocol) is used to assign an IP address to the computers on the LAN/private network. When you enable the DHCP Server, the DHCP Server will allocate automatically an unused IP address from the IP address pool to the requesting computer when "Obtain an IP Address Automatically" is configured. You can specify the start and end address of the IP Address pool here:

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
HCP Server	DHCP Client	t List				
	DHCP Ser	rver 🗹 Enab	le			
	IP Pool Start Addr	ess 192.168.	8. 100			
	IP Pool End Addr	ess 192.168.	8. 200			
_	Lease T	ime One da	v v			

- > DHCP Server: Check "Enable" to enable DHCP server.
- IP Pool Start/End Address: Enter the range of IP addresses for the DHCP server to distribute.
- Lease time: The valid time of the Dynamic IP address which is distributed to the DHCP client's host computer by your Medialink router's DHCP server. During this time, the server will not distribute the IP address to any other connected device.

#### 6.2 DHCP Client List

DHCP client list displays user device's IP Address, MAC address, host name and other information which are assigned by the DHCP server. You can manually enter the IP and MAC address and convert them to static assignment.

	Assignment PAddress 19:			_	_	
	Address 19					
	Address	2.168.8.			4	dd
NO.	IP A	ddress	MA	C Address	Delete	
1					Refr	sh
Hos	t Name	IP Address	MA	C Address	Lease Time	

- Host Name: The name of the device whose IP is allocated by the DHCP server. This name is generated by the device itself.
- > IP Address: Enter the IP address which needs static binding.
- MAC Address: Enter the MAC address of the device you want to bind. Click "Add" to add the entry in the list.
- > Lease time: The remaining time length of the corresponding IP address lease.

# **Chapter 7 Virtual Server**

#### 7.1 Port Range Forwarding

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routi Settin	
ort Range F	orwarding   D	MZ Host   UPI	IP Settings			
spe	cialized Internet ap	ding is useful for w plications. When yo our router's WAN p	ou enable port for	varding, the comm	unication req	uests from
1	IO. Start Por	t-End Port	LANIP	Protocol	Enable	Delete
	1.	194	2.168.8.	TCP 💌		E
	2.	193	2.168.8.	TCP 💽	п	
	3.	192	2.168.8.	TCP 💌		E
	4.	193	2.168.8	TCP 💌	Г	Г
	5.	192	2.168.8	TCP 💌		Г
	6.	194	2.168.8	TCP 💌	П	F
	7.	190	2.168.8	TCP 💌	Г	<b>—</b>
	8.	190	2.168.8.	TCP -	Г	F
	9.	190	2.168.8	TCP 💌	Г	Г
	10.	190	2.168.8.	TCP 💌	Г	
	11.	192	2.168.8	TCP .	Π.	Г
	12.	192	2.168.8	TCP .	Г	Г
	13.	193	2.168.8.	TCP .		E

- Start/End Port: Enter the start/end port number which ranges the External ports used to set the server or Internet applications.
- LAN IP: Enter the IP address of the PC or device which you want to set as the server.
- Protocol: Select the protocol (TCP/UDP/Both) for the application. If you are not clear about the protocol you are using, you can select "Both".
- > Enable: Click the Enable checkbox to bring the rule into effect.
- > Delete: Clear all settings of this item.
- Well-known service port: The well-known protocol ports are listed in the drop-down list. Select one and select a sequence number in the ID drop-down list and then click "Add", this port will be added automatically to the ID list. For other well known service ports that are not listed, you can manually add them to the list.
- Add to: Add the selected well-known port to the policy ID.

**For Example**: You want to share some large files with your friends outside of your local area network, however, they are too big, and it's not convenient to transfer them. Then, you can build a FTP server on your computer and set the router's port range forwarding

to enable your friends to access to these files on your computer. Suppose that your FTP server or your computer's static IP address is 192.168.8.10, and you want your friends to access the server through the default FTP port: 21 and use TCP protocol.

Please follow the steps below to configure.

1.Enter 21 in both start port and end port fields, or you can also select FTP from the well-known service port and port 21 will be added to the corresponding fields automatically.

2. Enter 192.168.8.10 in the LAN IP column, and then select "Both" as the protocol and select "Enable" as shown below:

Advanced Settings		reless			Security Settings	Routi Settin	
Port Range F	orwa	ding	DMZ Host	UPNP Settings			
	the 10.		your router's W	AN port will be forwa	rded to the specifier Protocol	d LAN IP addr Enable	Delete
	1.	21	-21	192.168.8.10	Both 💌	5	
	2.		-	192.168.8.	TCP -	Г	E
	3.			192.168.8.	TCP 💌	Г	
	4.		H	192.168.8.	TCP •	Г	Π
	5.		7	192.168.8.	TCP •		Г
	6.			192.168.8.	TCP •	Г	Γ
	7			192,168.8	TCP +	Г	E
	1.	_	1	132.100.0.			100

Then scroll all the way to the bottom of the page and click the "Apply" button to save the settings.

Now, when your friends want to visit the FTP server, they only need to enter ftp://xxx.xxx.xxx.21 in their browser address field. Here, xxx.xxx.xxx means your router's WAN IP address. For example, when your router's WAN IP address is 24.65.128.52; your friends need to enter ftp://24.65.128.52:21 in the browser address field.

# 

If you set the service port of the virtual server as 80, you must set the Web management port on Remote Web Management screen to be any value except 80 such as 8080. Otherwise, there will be a conflict which will disable the virtual server.

### 7.2 DMZ Settings

The DMZ Settings screen allows one local computer or device to be exposed to the Internet for use of a special-purpose service such as Gaming or VoIP. DMZ hosting forwards all ports to one device.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	Systen Tools
ort Range Fo	orwarding   DI	Z Host   UPI	NP Settings			
	Note: When the [	)MZ host is enable	ed, the firewall set	tings of the DMZ ho	st will not function.	

- DMZ Host IP Address: The IP address of the LAN device you want to set as the DMZ host.
- > Enable: Check to enable the DMZ host.

#### For example:

Set your Game Console or VoIP device to the IP address 192.168.8.10 and then set that IP Address as the DMZ host to bypass the firewall of the router and allow for a smooth connection without interruption.

# 

When the DMZ host is enabled, the firewall settings of the DMZ host will not function.

### 7.3 UPNP Settings

**UPnP (Universal Plug and Play)**: The LAN device can request the router to process some special port switching so as to enable the external host to access the resources of the internal host.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Port Range Fo	orwarding   DI	IZ Host   UPI	NP Settings			
		IPop P				

> Enable UPnP: Click the checkbox to enable the UPnP.

# **Chapter 8 Security Settings**

#### 8.1 Client Filter Settings

You can enable Client Filter to control LAN computers' access to some or all ports:

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
lient Filter	IAC Address Fi	Iter   URL Fil	er   Remote 1	Neb Managem	ent	
Fiter	Mode: Forbid only	•				
	Access Po	licy: (1) 💌				
	Policy Name (Optio	nal):				
	Sta	rt IP: 192.168.8.				
	En	d IP: 192.168.8.				
	a di	Port:	(All ports	s include 1~65535)		
	7	ype: TCP 💌				
	1	ime: 0 💽: 0	• ~ 0 •	0 -		
	Day	(s): Sunday	💌 ~ Saturda	· •		
	En	able: 🔽 Clea	r this item: Clear			

- > Filter Mode: You can select either "Permit only" or "Forbid only".
- Access Policy: Select a number from the drop-down list.
- Policy Name (Optional): A simple description of the policy. You can leave it blank if you want.
- Start/End IP: Enter the start/end IP address.
- Port: Enter the controlled TCP/UDP protocol port. You can specify a port or port range. For all ports enter 1 to 65535.
- > Type: Select one protocol (TCP/UDP/Both) from the drop-down list.
- > Time: Select the time range of client filter. The start time must be earlier than the

end time. The Time cannot cross over midnight.

- Day(s): Select the day(s) to run the access policy. The start day must be earlier than the end day.
- > Enable: To enable/disable the access policy.

**Example1** Only Permit the Kids' computers at the IP addresses 192.168.8.100~192.168.8.120 to access the Internet from 9am to 9pm.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	Systen Tools
ient Filter	MAC Address Fi	ilter   URL Fil	ter   Remote	Web Managem	ent	
Fit	er Mode: Permit only					
	Access Po	ilicy: (1) 💌				
	Policy Name (Optio	nal): Kids				
	Sta	rt IP: 192.168.8	100			
	En	d IP. 192.168.8	120			
	1	Port: 1	65535 (All port	s include 1~65535)		
	т	ype: Both 💌				
	1	ime: 9 💽 0	• ~ 21 •	0 💌		
	Da	y(s): Sunday	💌 ~ Saturda	y 💌		
	En	able: 🔽 Clea	r this item: Clear	-		

### 8.2 MAC Address Filter

You can limit certain computers' access to Internet by using MAC Address Filter.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Client Filter	MAC Address Fi	lter   URL Filt	er   Remote V	Veb Managem	ent	
	201	_				
Filter	Mode : Permit only	•				
	Access Po	icy: (1) 💌				
	Policy Name (Option	nal):				
	MAC Addre				7	
	-	ime: 0 • 10	- 0 - 1			
	Day	(s): Sunday	<ul> <li>Saturday</li> </ul>	· ·		

- > Filter mode: You can select "Forbid only" or "Permit Only".
- > Access Policy: Select a number from the drop-down list.
- Policy Name (Optional): A simple description of the policy. You can leave it blank if you want.
- > MAC Address: Enter the MAC address you want the policy to apply to.
- Time: Select the time range. The start time must be earlier than the end time. The Time cannot crossover midnight.
- Day(s): Select the day(s) to run the access policy. The start day must be earlier than the end day.
- > Enable: To enable/disable the access policy.

**Example 1** Forbid an employee's computer with the MAC address of 14:35:8B:17:02:10 to access Internet during 8:00am to 5:00pm from Monday to Friday.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	Systen Tools
Client Filter	MAC Address Filt	er   URL Filte	r  Remote W	eb Managem	ent	
Filter	Mode : Forbid only	•				
1						
	Access Polic	cy: (1) 🔹				
	Policy Name (Optional	al): Employee				
	MAC Addres	ss: 14 35	8B 17	02 10	7	
	Tn	ne: 8 💌 : 0	▼ ~ 17 ▼ :0	-	_	
	Dav	s): Monday	• ~ Friday	•		

### 8.3 URL Filter Settings

You can use URL filtering to forbid access to certain websites at a specified time.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Client Filter   I	MAC Address Fi	lter   URL Fill	ter   Remote	Web Managem	ent	
Fiter	Mode : Forbid only					
	Access Po	licy: (1) 💌				
	Policy Name (Option	nal):				
	Sta	t IP: 192.168.8				
	En	d IP: 192.168.8				
	URL character st	ing:				
	Ţ	ime: 0 + 0	• ~ 0 •	0 -		
	Day	(s): Sunday	💌 ~ Saturda	y 🔹		
	Enz	ible: 🗹 Clear	r this item: Clear			
			Apply Cano	and the		

- **Filter Mode:** "Forbid only" is the only mode.
- > Access Policy: Select a number from the drop-down list.
- Policy Name (Optional): A simple description of the policy. You can leave it blank if you want.
- Start/End IP: Enter the start/end IP address.
- > URL Character String: Specify the URL or keyword that you want to block.
- Time: Select the time range. The start time must be earlier than the end time. The Time cannot crossover midnight.
- Day(s): Select the day(s) to run the access policy. The start day must be earlier than the end day.
- > Enable: To enable/disable the access policy.

**Example1** Forbid all computers on LAN to access facebook.com during 8:00 to 18:00 from Monday to Friday.

Client Filter   MAC Address Filter   URL Filter   Remote Web Management Filter Mode : [Fobid only  Access Policy: [1]  Policy Name (Optional):   facebook Start P: 192.188.8 [2] End P: 192.188.8 [24] URL character string:   facebook.com	Settings	Security Settings	Virtual Server	DHCP Server	Wireless Settings	Advanced Settings
Access Palicy: (1)  Policy Isane (Optional): [accebook Start IP: 192:188.8 [2] End IP: 192:188.8 [254 URL character string: [accebook.com	ent	Veb Managem	r   Remote V	ter   URL Filte	MAC Address Fi	Client Filter   I
Access Policy; (1)  Policy Name (Optional); Facebook Start IP: 192,188,8 2 End IP: 192,188,8 254 URL character string: Facebook.com						
Policy Name (Optional): [facebook Start IP: 192.188.8 2 End IP: 192.188.8 254 URL character string: [facebook.com				•	Mode : Forbid only	Filter
Start P. 192.1888 2 End P. 192.1888 224 URL character string "facebook.com				cy: (1) 💌	Access Po	
End IP: 192.188.8 254 URL character string: Tacebook.com				al): facebook	Policy Name (Optio	
URL character string: facebook.com				IP: 192.168.8.2	Sta	
			54	IP: 192.168.8.2	En	
			om	ng: facebook.c	URL character st	
Time: 8 • 0 • ~ 18 • 0 •		•	• ~ 18 • :	me: 8 💌 0	1	
Day(s): Monday 🔹 ~ Friday 💌		*	💌 ~ Friday	(s): Monday	Day	
Enable: IP Clear this item: Clear			this item: Clear	ole: 🗹 Clear	En	

# 

Enter only one domain name or keyword for each access policy. So, if you want to filter multiple domain names or keywords, you need to set multiple access policies.

There is no way for any router to filter https:// addresses since they are encrypted so there is sometimes a way around this filtering process depending on the website and if the user knows this.

#### 8.4 Remote Web Management

This section instructs how to allow the network administrator to manage the Router remotely.

	Remote We			
Client Filter   MAC Address Filter   URL Filter   Remote Web Management		o Manageme	Int	
Enable 17				
Enable 17 Port 8000				

- > Enable: Check to enable remote web management.
- > Port: The management port open to outside access. The default value is 8080.

IP Address: Specify the range of the Public IP addresses of the computers on the Internet for remote management.

# 

1. If you want to log into your Medialink router's Web-based Utility via port 8080, you need to use the format of WAN IP address: port (for example http: //220.135.211.56:8080) to implement remote login.

2. If your WAN IP address starts and ends with 0.0.0.0, it means all hosts on the Internet can implement remote Web management. If you change the Internet IP address to be a range like this: 124.88.97.17-124.88.97.19, then only the computers at the IP addresses of 124.88.97.17, 124.88.97.18 and 124.88.97.19 can access the Router to implement remote web management.

#### For example:

If you want to configure the computer at the IP address of 124.88.97.17 to access the router's web-based utility via port 8080, please set the parameters as above.

# **Chapter 9 Routing Settings**

### 9.1 Routing Table

This page shows the router's core routing table.

dvanced Settings	Wireless Settings	DHCP Server	Virtual Server	Secur Settin		Routing Settings	Sys To
outing Table	Static Routi	ng					
	Destination IP	Subnet Mas		Sateway	Hops	Interface	
	Destination iP	action of the states	in c		nopa		
	0.0.0.0	0.0.0.0		10.1.10.1	1	vian2	
		1.0.000			0.000		

The main duty for a router is to look for the best path for every data packet, and transfer this data packet to a destination. In order to fulfill this function, many transferring paths, (i.e. routing table) are saved in the router, for use when needed.

#### 9.2 Static Routing

This screen is used to set the router's static routing.

A static route is a pre-determined pathway that network information must travel to reach a specific host or network.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Routing Tab	le   <mark>Static Routi</mark>	ng				
	Destination Netwo	rk IP Address	Subnet Mas	k Gat	sway Ope	rate
					A	id

- > Destination Network IP Address: The destination host or IP segment you visit.
- Subnet Mask: Enter the subnet mask, generally it is 255.255.255.0
- Gateway: The entry IP address of the next router.

# 

1. The gateway must be at the same network segment as the router's LAN IP Address.

2. If the destination IP address is one host's address, then the subnet mask must be 255.255.255.255.

3. If the destination IP address is an IP segment, then it must match with the subnet mask. For example, if the destination IP is 10.0.0.0 then the subnet mask must be 255.0.0.0

# Chapter 10 System Tools

#### **10.1 Time Settings**

This section is to configure the router's system time. You can set it manually or obtain the GMT time from the Internet.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	DDNS   Backi ame/Password		Restore To Fa	ctory Default	Firmware   Re	boot The R
lange Osem.	ame/Fassword	Systog				
Time	zone: (GMT-05:00	) Eastern Time			•	
(Not	e System time will n	ot be accurate un	less there is acce	ss to the Internet or	you select "Custo	nized
Time	below.)					
Cus	tomized Time: 🔽					
201	12 Year 9 M	onth 21 Day	16 Hour 20	Minute 52 Sec	ond	
(Not	e: The Customized	lime Setting show	n above will alwa	ys reflect the syste	m time on your	
conn	ected computer. An	y adjustment will I	be properly adjust	ed in the System Sta	itus of your router	once
you c	lick 'Apply'. Howev	er the time shown	here will revert b	ack to the system ti	ne of your connect	ed

- Time Zone: Select the time zone where you are operating the Router from the drop-down list.
- Customized time: Enter the time you wish to configure. This time is automatically acquired from your connected computer's time settings. Use the Customized Time section to apply Daylight Savings Time.

# 

When the Router is powered off, the time settings will be lost. The router will obtain the GMT time automatically the next time you access the Internet. Only when you connect to the Internet and obtain the GMT time or set the time on this screen, can the time settings in other functions (e.g. security settings) take effect.

### 10.2 DDNS

DDNS (Dynamic Domain Name System) is used to assign a fixed host and domain name to a dynamic Internet IP address. Every time you access the Internet, the dynamic domain name software installed on your host will tell the ISP'S host server its dynamic IP address by sending messages. The server software is responsible for providing DNS service and implementing dynamic domain name resolution.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	DDNS   Backup/		lestore To Fa	ctory Default	Firmware   Re	boot The Route
onongo oborne						
	DDNS Servic	e 🕶 Enable	C Disable			
	Service Provide	er no-ip.com	💽 Sign up			
	Usernam	e medialink				
	Passwor	d	•			
	Domain Nam	e medialinks	moo.qi-or			
			Apply Cance	d		

#### Main features:

1. Most ISP connections provide a dynamic IP address and the DDNS is used to capture the changeable IP address and match it to a fixed domain. Then users can have access to the Internet to communicate with others outside the network.

2. DDNS can help you to establish a virtual host in your home or company.

- > DDNS: Click the radio button to enable or disable the DDNS service.
- Service provider: Select one from the drop-down list and click "Sign up" for registration.
- Username: Enter the username that you used to register from the DDNS provider
- > Password: Enter the password that you used to register from the DDNS provider
- > **Domain name:** Enter the effective registered domain name

#### For example:

Establish a Web server in the local host 192.168.8.10 and register in no-ip.com as follows:

Username	medialink
Password	password
Domain Name	medialink.no-ip.com

After mapping the port in the virtual server, and setting account information in DDNS server, you can then access the web page by entering <u>http://medialink.no-ip.com</u> in any external PC's browser address field.

#### 10.3 Backup/Restore

On this screen, you can back up the router's current settings or restore previous settings.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
Time Settings   Change Userna			Restore To Fa	ctory Default	Firmware   Re	boot The Route
	me/Password	Syslog				
Here	e you can Backup y	our router's curre	int configuration or	restore your route	r with a saved	
	e you can Backup y guration file.	our router's curre	int configuration or	restore your route	r with a saved	

#### Backup Settings:

Click the **Backup** button to back up the router's settings and select a path to save them.

File D	ownload 🔀
Do you it?	ı want to save this file, or find a program online to open
	Name: RouterCfm.cfg Type: Unknown File Type, 11.5KB From: <b>192.168.8.1</b>
	Eind Save Cancel
2	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not find a program to open this file or save this file. <u>What's the tisk?</u>

Click the "Save" button to save the configuration files.

#### Restore Setting:

Click the "Browse" button to select the backup files.

Choose file		? 🔀
Look in:	: 🞯 Desktop 💽 🔶 🖆 📺 -	
My Recent Documents	My Documents Wy Computer My Network Places RouterCfmucfg	
My Documents		
My Computer		
<b>S</b>		
My Network Places	File name:	Open
	Files of type: All Files (*.*)	Cancel

Click the "Restore" button to restore previous settings.



### **10.4 Restore to Factory Default**

This screen allows you to restore all settings to the factory default values.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	DDNS   Back		Restore To Fa	ctory Default	Firmware   Rei	boot The Rou
hange Usern:	ame/Password	Syslog				

Restore to factory default: Click this button to restore to default settings.

Factory default settings: Username: admin Password: admin Wireless SSID: medialink Wireless Password: password Wireless Security: WPA-PSK/AES IP Address: 192.168.8.1 Subnet Mask: 255.255.255.0

#### 10.5 Firmware

⊳

Here you can upgrade or rollback the router's Firmware. The latest Firmware can be downloaded at <u>www.medialinkproducts.com/support</u>.

WARNING: BE SURE TO USE A COMPUTER THAT IS CONNECTED TO THE ROUTER VIA ETHERNET TO ADJUST THE FIRMWARE.



- Backup your settings: First Backup a copy of your router's settings using the Backup/Restore section.
- Browse: Then in the Firmware screen, click Browse to select the upgrade file that you have downloaded and saved to your computer from www.medialinkproducts.com/support
- Upgrade: Click this button to start the upgrading process. After the upgrade is complete, the router will reboot automatically.
- Empty your Internet Browser's Cache: In order for the new Firmware to display properly, you must empty the Browser's Cache (Temporary Internet Files). For Internet Explorer: Tools > Delete Browser History > Check Temporary Internet Files > Click Delete. Once finished, hit F5 to refresh the screen.
- Reset the Router to Factory Settings: After changing the Firmware, you must reset the router to factory settings for the changes to take effect. After the reset, you can restore your router's settings using a file that you backed up prior to upgrading.

#### 10.6 Reboot the Router

Reboot the router to make any configuration changes effective. The router will cut its WAN connection automatically after rebooting and then reestablish the WAN connection.

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
ime Settings   Change Userna			Restore To Fa	ctory Default	Firmware Re	boot The Ro
nange osenna	interrassword	1 aysing				
Click	the button to rebot	at the router.				
	about the router					
Re	epoot the router					

> Reboot the router: Click this button to reboot the router.

#### 10.7 Change Username/Password

This section is to set a new password to better secure your router and network.

#### MEDIALINK

Advanced Settings	Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
	DDNS Backup ame/Password		Restore To Fa	ctory Default	Firmware   Re	boot The Route
	koministrator Login Cr lote: Pasaword can o		tters and numbers			
	Old Userna					
1.1	New Userna					
	Old Passwi					
	New Passwo	brd				
	Confirm New Passwo	brd				
			Apply Cano	el		

- > Old Username: Enter the old username.
- > New Username: Enter the new username.
- > Old password: Enter the old password.
- New password: Enter a new password.
- Confirm new password: Re-enter to confirm the new password.

## 

The default username and password is admin. To secure the router and your network, it is highly recommended that you change the initial password.

#### 10.8 Syslog

This section is to view the system log. You can view various conditions appearing after system start, and also check whether there's an attack on the network. The log can record at most 150 entries.

dvanc Setting		Wireless Settings	DHCP Server	Virtual Server	Security Settings	Routing Settings	System Tools
		DDNS   Backup/ ame/Password		Restore To Fa	ctory Default	Firmware   Re	boot The Ro
	1	2011-04-01 00:00:00	main		System start		
	2	2011-04-01 00:00:04	system		interface vlan2 in	nit	
	3	2011-04-01 00:00:05	system	DHCPC_DISCOVER sending			
	4	2011-04-01 00:00:11	system	DHCPC_DISCOVER sending			
	5	2011-04-01 00:00:11	system	DHCPC_DISCVOER received			
	6	2011-04-01 00:00:11	system	DHCPC_STATE_REQUESTING init sending			
	7	2011-04-01 00:00:11	system	DHCPC_STATE_REQUESTING received			
	8	2011-04-01 00:00:11	system	DHCPC_STATE_REQUESTING lease = 604800			
	9	2011-04-01 00:00:11	system	get n	ew lease time: 604	800 secs	
	10	2011-04-01 00:00:11	system	ge	t DHCPC_T2: 9430	7 secs	_

- > Refresh: Click this button to update the log.
- > Clear: Click this button to clear the currently shown log.

# Appendix 1 Glossary

#### Channel:

A distinct frequency range within the 2.4 GHz wavelength. There are 11 available channels in North America ranging from 2412 MHz to 2462MHz.

#### SSID:

SSID (Service Set Identifier) is the network name shared by all devices in a wireless network. Your network's SSID should be unique to your network and identical for all devices within the network. It is case-sensitive and must not exceed 20 characters. Make sure this setting is the same for all devices in your wireless network.

#### WPA/WPA2 Encryption:

A security protocol for wireless networks that builds on the basic foundations of WEP. It secures wireless data transmission by using a key similar to WEP, but the added strength of WPA is that the key changes dynamically. The changing key makes it much more difficult for a hacker to learn the key and gain access to the network. WPA2 is the second generation of WPA security and provides a stronger encryption mechanism through Advanced Encryption Standard (AES), which is a requirement for some government users.

## **Appendix 2 Product Features**

- Supports IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.3 and IEEE 802.3u standards.
- High gain omni-directional antenna, with strong signals and long transmission distance.
- Wireless transmission rate up to 150Mbps
- Provides one 10/100Mbps auto-negotiation Ethernet WAN port to connect to the Wide Area Network
- Provides four 10/100Mbps auto-negotiation Ethernet LAN ports to connect to the Local Area Network
- Supports Auto MDI/MDIX
- Supports xDSL/Cable MODEM, static and dynamic IP in community broadband networking as well as PPTP and L2TP.
- Includes router, wireless access point, four-port switch and firewall all in one
- SupportsWPA-PSK,WPA2-PSK,andWPA-PSK&WPA2-PSK mixed security modes
- Supports WPS button

- Supports hidden SSID function and MAC Address-based access control
- Supports WMM to make your audio and video smoother
- Supports SNTP
- Supports UPnP and DDNS
- Supports WDS to extend wireless network
- Supports Wireless WAN and allows access to ISP's wireless hotspots to share Internet access with multiple computers or the ability to extend an existing wireless network via a Wireless Bridge.
- Supports Virtual Server functions such as Port Forwarding and DMZ host.
- Provides Syslog to record the running status of the router

# **Appendix 3 FAQ**

This section provides some solutions to the problems which may occur during the router's installation or usage. The instructions below may help you deal with the problems. lf problem the please vour is not in list. visit our website www.medialinkproducts.com or send an F-mail to support@medialinkproducts.com.

# 1. Cannot log in to the Web-based Utility of the router after you enter the IP address in the address field?

Step 1: Check if the router is working correctly, after the device is powered on for a few seconds, the SYS indicator on the front panel should light up. If it is not, please contact us. Step 2: Check that the network cables are connected correctly and the corresponding LED indicator lights up. Sometimes, the indicator lights up, but it does not mean it is functioning.

**Step 3:** Run "Ping" command and check if it can ping the Router's LAN IP address 192.168.8.1 (open "Command Prompt" and type "Ping 192.168.8.1" and then enter). If it is OK, please make sure your browser does not access the Internet by proxy server. If the ping fails, you can press the "RESET" button for 7 seconds to restore to default settings. And then repeat the ping operation. If it still does not work, please contact us.

#### 2. I forgot the login password and cannot enter the Web-based Utility.

Press the "RESET" button for 7 seconds to restore the Router to default settings. (UN: admin PW: admin)

#### 3. The device is telling me that the password I am entering is incorrect.

Make sure you are entering the password exactly how it is entered in the router. The password is case-sensitive. You can check to see how yours is set by logging into the router's web-based utility. Open an Internet Browser such as Internet Explorer or Firefox and enter the following IP address into the address bar: <u>http://192.168.8.1</u>

Log in using the default Username: admin and Password: admin. Then click Wireless Settings > Wireless Security to see your password.

# 4. Windows is not asking me to enter the password but it just won't connect to my network.

Please see Appendix 4 below on how to clear your wireless configuration file.

## **Appendix 4 Clear Wireless Configuration**

When trying to connect to your wireless network if you get an error message that says "The Security Settings Do Not Match the Requirements of the Network" or "Security Key Mismatch", then you will need to clear the saved settings in your wireless networks list.

Clear Wireless configuration file under windows XP

1. Right click "My Network Places" on your computer desktop and select "Properties".



2. Right click "Wireless Network Connections" and select "Properties".

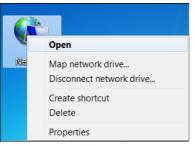
Disable View Available Wireless Networks Status
Status
Repair
Bridge Connections
Create Shortcut
Delete
Rename
Properties

3. Click "Wireless Network Configuration" and clear the corresponding wireless configuration file as shown below.

🖶 Wireless Network Connection 2 Properties	?×
General Wireless Networks Advanced	
Use Windows to configure my wireless network settings	
Available networks: To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.	
View Wireless Network:	s
Preferred networks: Automatically connect to available networks in the order liste below: P Broadcom eCos_test (Automatic) Move up	d
Move down	
Add Remove Properties	
Learn about setting up wireless network Advanced	
OK Ca	ncel

Clear Wireless configuration file under windows 7

1. Right click "Network" and click "Properties".



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2. Click "Manage wireless networks" on the left side of the window.



3. Delete the corresponding configured file in the "Manage wireless networks".

Manage wireless r	networks that use (	Wireless Netw	vork Connection 2)
Windows tries to come	ct to these networks in t	he order listed he	law
Thirdony may to come		ine order insted be	ion.
Add Remove Adapte	r properties Profile ty	pes Network a	nd Sharing Center
letworks you can view, mor	dify, and reorder (1)		
Broadcom_eCos	Properties	sonal	Type: Any supported
	Remove network		
-	Rename		

# **Appendix 5 Regulatory Information**

#### EU Declaration or Declaration of Conformity

Hereby, Medialink Products, LLC. declares that this Wireless Broadband Router is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

#### FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This

equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference

to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

"The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter."

#### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with the minimum distance of 20 cm. Operation is subject to the following two conditions:

1) This device may not cause interference, and

2) This device must accept any interference, including interference that may cause undesired operation of the device.

#### Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

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