

# **BR-6208AC V2**



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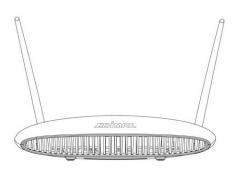
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# I. Product Information

# I-1. Package Contents

Before you start using this product, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):







BR-6208AC V2

CD-ROM

Ethernet Cable

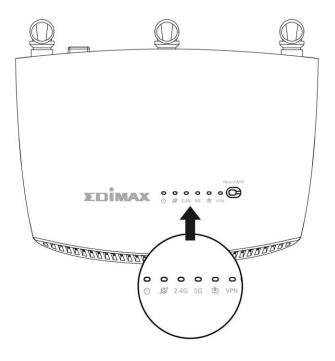




**Quick Installation Guide** 

**Power Adapter** 

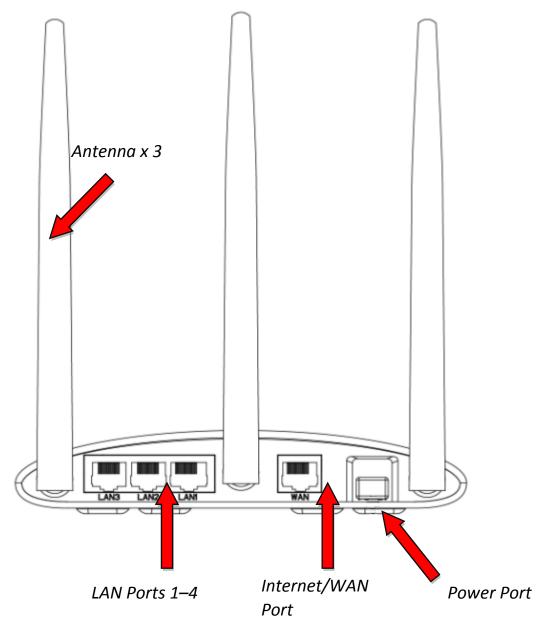
# I-2. LED Status



LED	Color	LED Status	Description
Power		On	BR-6208AC V2 is on.
Φ	Green	Off	BR-6208AC V2 is off.
Internet		On	Internet connection is ready.
Ø	Green	Flashing	Factory default state, or Ethernet cable not connected, or no Internet connection.
2.4GHz Wi-Fi	Croop	On	2.4GHz Wi-Fi wireless activity (transferring/receiving data).
	Green	Flashing	2.4GHz WPS is active.
<b>()</b>		Off	2.4GHz Wi-Fi not active.
5GHz Wi-Fi	Green	On	5GHz Wi-Fi wireless activity (transferring/receiving data).
6	Uleen	Flashing	5GHz WPS is active.
		Off	5GHz Wi-Fi not active.
Firmware	Green	On	Firmware is latest.
	UICEII	Flashing	Firmware is upgrading.

VPN	Green	On	VPN is on.
VPN		Off	VPN is off.

# I-3. Back Panel



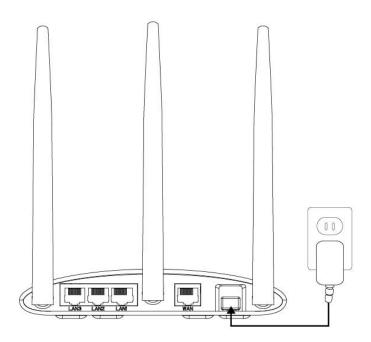
### I-4. Safety Information

In order to ensure the safe operation of the device and its users, please read and act in accordance with the following safety instructions.

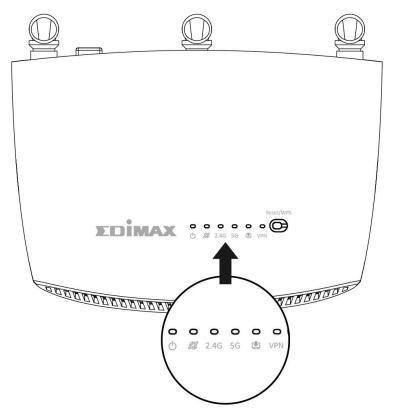
- 1. The device is designed for indoor use only; do not place it outdoors.
- 2. Do not place the device in or near hot/humid places, such as a kitchen or bathroom.
- 3. Do not pull any connected cable with force; carefully disconnect it from the BR-6208AC V2.
- 4. Handle the device with care. Accidental damage will void the warranty of the device.
- 5. The device contains small parts which are a danger to small children under 3 years old. Please keep the device out of reach of children.
- 6. Do not place the device on paper, cloth, or other flammable materials. The device may become hot during use.
- 7. There are no user-serviceable parts inside the device. If you experience problems with the device, please contact your dealer of purchase and ask for help.
- 8. The device is an electrical device and as such, if it becomes wet for any reason, do not attempt to touch it without switching the power supply off. Contact an experienced electrical technician for further help.

# II. Installation

**1.** Plug the included power adapter into the device's DC power port and the other end into an electrical socket.



2. Ensure that the Wi-Fi On/Off switch is set to on and that three LEDs (power, 2.4GHz & 5GHz Wi-Fi) display on.



**3.** Use a Wi-Fi device (e.g. computer, tablet, smartphone) to search for a Wi-Fi network with the SSID "edimax.setup" and connect to it.



#### iOS 4 or Android 4 and above are required for setup on a 🛃 smartphone or tablet.

**4.** Open a web browser and if you do not automatically arrive at the "Get Started" screen shown below, enter the URL http://edimax.setup and click "Get Started" to begin the setup process.



If you cannot access http://edimax.setup, please make sure your 🛃 Wi-Fi device is set to use a dynamic IP address. This is a simple procedure and step-by-step instructions to do this on a computer can be found in IV Appendix.

5. Choose if you want to use your BR-6208AC V2 in its default Wi-Fi router mode or in a different mode.

EDİMAX	Wi-Fi Router
The default mode of this product is Wi-Fi router mode. It provides Internet access for your computers, smartphone	
	xDSL/Cable Modem
CHANGE TO A DIFFERENT MODE	YES, I NEED A Wi-Fi ROUTER

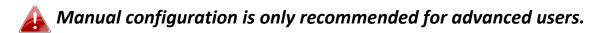
The BR-6208AC V2's five available modes are outlined below:

Wi-Fi Router Mode	The device connects to your <b>modem</b> and provides 2.4GHz and/or 5GHz Internet (wireless and Ethernet) access for your network devices.
Access Point Mode	The device connects to an existing <b>router</b> via Ethernet cable and provides 2.4GHz and/or 5GHz Internet (wireless and Ethernet) access for your network devices.
Range Extender Mode	The device connects wirelessly to your existing 2.4GHz and/or 5GHz network and repeats the wireless signal(s).
Wireless Bridge Mode	The device connects to a network device for example: TV, gaming console, or media player via Ethernet cable and acts as a wireless receiver, allowing the network device to join your Wi-Fi network.
WISP Mode	The device connects wirelessly to your Wireless Internet Service Provider and provides 2.4GHz and/or 5GHz Internet (wireless and Ethernet) access for your network devices.

**6.** Follow the on-screen instructions to complete setup. For more information, please refer to the appropriate following chapter:

#### II-1. Wi-Fi Router Mode

**1.** Select whether to use the iQ Setup wizard (recommended) to detect your Internet connection type, or enter the settings manually.

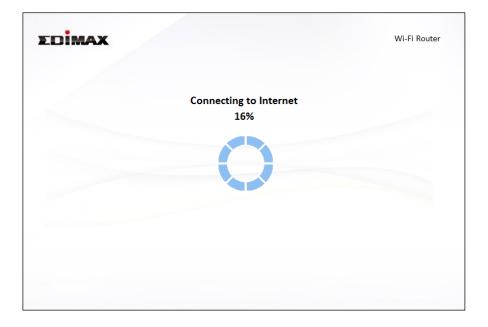


EDİMAX		Wi-Fi Router
The iQ Setup wizard ca or you can setup your	in help detect your Internet connection type, and walk you t device manually.	hrough setup step-by-step
	<ul><li>1. iQ Setup wizard</li></ul>	
	② 2. Configure manually	
	Back Next	

**2.** Connect the **blue** Internet port of your BR-6208AC V2 to the LAN port of your modem using an Ethernet cable, and then click "Next".

EDIMAX	Wi-Fi Router
xDSL/Cable Modem	
Please connect one end of an Ethernet cable to your modem and connect the other en	nd to the
Internet port on the router.	
Back	

**3.** Please wait a moment while the BR-6208AC V2 tests the connection.



**4.** Click "Next" to continue and configure the device's wireless network.

EDİMAX		Wi-Fi Router
	Internet is now connected	
Pleas	se click "Next" to configure your wireless network	
	Back Next	

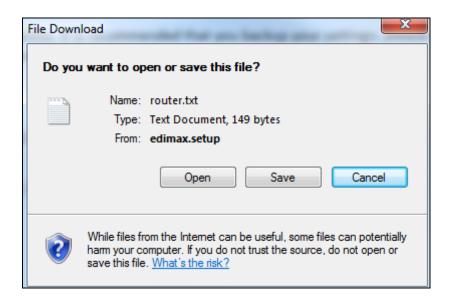
**5.** Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click "Next" to continue.

Please set your Wi-Fi network name (SSID) and Wi-Fi password.         Wi-Fi network name (2.4GHz):       edimax_2.4G_6937C1         Wi-Fi password (WPA2-AES):       abcd1234         (at least 8 characters)         Wi-Fi network name (5GHz):       edimax_5G_6937D1         Wi-Fi password (WPA2-AES):       abcd1234         (at least 8 characters)         Wi-Fi password (WPA2-AES):       edimax_5G_6937D1         (at least 8 characters)         (at least 8 characters)	EDIMAX	Wi-Fi Router
Wi-Fi password (WPA2-AES):       abcd1234         (at least 8 characters)         Wi-Fi network name (5GHz):       edimax_5G_6937D1         Wi-Fi password (WPA2-AES):       abcd1234       ×	Please set your Wi-Fi	network name (SSID) and Wi-Fi password.
(at least 8 characters)         Wi-Fi network name (5GHz):       edimax_5G_6937D1         Wi-Fi password (WPA2-AES):       abcd1234       ×	Wi-Fi network name (2.4GHz):	edimax_2.4G_6937C1
Wi-Fi network name (5GHz):       edimax_5G_6937D1         Wi-Fi password (WPA2-AES):       abcd1234       X	Wi-Fi password (WPA2-AES):	abcd1234
Wi-Fi password (WPA2-AES): abcd1234 ×		(at least 8 characters)
	Wi-Fi network name (5GHz):	edimax_5G_6937D1
(at least 8 characters)	Wi-Fi password (WPA2-AES):	abcd1234 ×
		(at least 8 characters)
		Back Next

**6.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click "Next" to proceed.

EDİMAX		Wi-Fi Route
Configuration is complete. It is re configuration" to do so. Then clic		ckup your settings, please click "Backup this ady to continue.
	Internet Type :	Dynamic IP
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_6937C1
	Wi-Fi password :	abcd1234
(5 GHz)	Wi-Fi network name :	edimax_5G_6937D1
	Wi-Fi password :	abcd1234
	Backup this confi	guration
	Back	Next

If you wish to backup the device's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.



**7.** Please wait while the BR-6208AC V2 applies your settings.



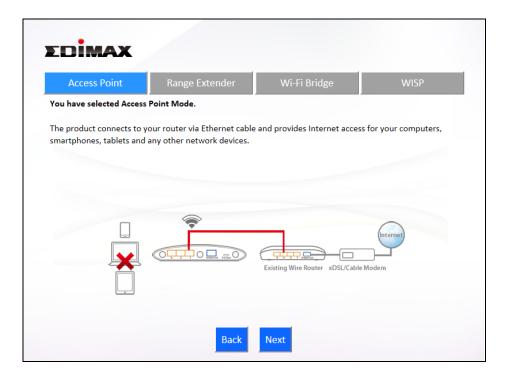
**8.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.

EDİMAX		
	Congratulati	on!
You have successfully comple	ted setup. Please connect to th	e device's new Wi-Fi network name (SSID) listed
below. For advanced settings,	please access http://edimax.se	etup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_6937C1
	Wi-Fi password :	abcd1234
(5 GHz)	Wi-Fi network name :	edimax_5G_6937D1
	Wi-Fi password :	abcd1234

**9.** The BR-6208AC V2 is working and ready for use. Refer to <u>IV-2. Connecting</u> to a Wi-Fi network if you require more guidance.

### II-2. Access Point Mode

**1.** Select "Access Point" from the top menu and click "Next".



**2.** Connect the yellow LAN port of your BR-6208AC V2 to the LAN port of your existing router using an Ethernet cable, then click "Next".

EDIMAX	Access Point
	Vire Router xDSL/Cable Modem
Please connect one end of an Ethernet cable to your one of the ports 1/2/3/4 on the back of access point.	existing router and connect the other end to
Back	ext

**3.** Select whether to use the 5GHz wireless frequency, 2.4GHz wireless frequency or both. If you are not sure, select both.

DIMAX		Access Poir
Please select the please select both	wireless frequency that you want to use. If you	are not sure which one to use,
	☑ 1. Enable 5GHz	
	2. Enable 2.4GHz	
	Back Next	

**4.** Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6208AC V2. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click "Next" to proceed to the next step.

Please set the IP address of t	he access point.	
Obtain an IP address automatica	ly	
O Use the following IP address		
IP address : 192 . 168	. 2 . 3	
Subnet Mask : 255 . 255	. 255 . 0	
Default gateway : 0.0	. 0 . 0	

*"Obtain an IP address automatically" is the recommended setting for most users. For more guidance on static IP addresses, please refer to <u>IV-1. Configuring your IP address</u>.* 

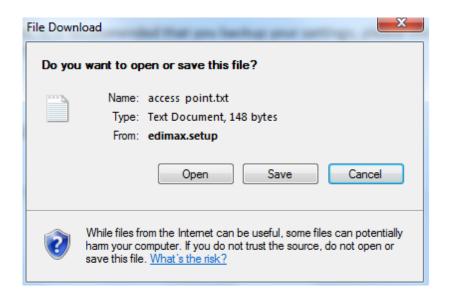
**5.** Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click "Next" to continue.

Please	set your Wi-Fi ı	network name (SSID) and Wi-Fi password.	
Wi-Fi network na	me (2.4GHz):	edimax_2.4G_6937C1	
Wi-Fi password (	WPA2-AES):	abcd1234	
		(at least 8 characters)	
Wi-Fi network na	ime (5GHz):	edimax_5G_6937D1	
Wi-Fi password (	WPA2-AES):	abcd1234 ×	
		(at least 8 characters)	

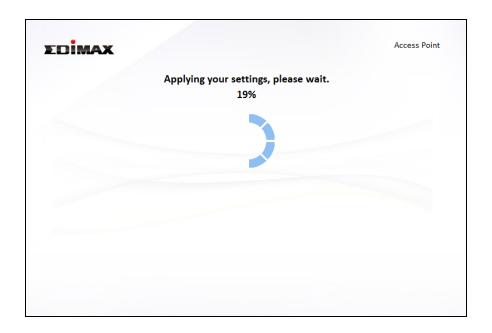
**6.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click "Next" to proceed.

EDİMAX		Access Poi
	is recommended that you ba a click "Next" when you are re	ckup your settings, please click "Backup this ady to continue.
(2.4 G	Hz) Wi-Fi network name :	edimax_2.4G_6937C1
	Wi-Fi password :	abcd1234
(5 G	Hz) Wi-Fi network name :	edimax_5G_6937D1
	Wi-Fi password :	abcd1234
	Backup this confi	guration

If you wish to backup the device's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.



**7.** Please wait a moment until the BR-6208AC V2 is ready.



**8.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.

	Congratulati	on!
You have successfully complet	ted setup. Please connect to th	e device's new Wi-Fi network name (SSID) listed
below. For advanced settings,	please access http://edimax.se	etup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_6937C1
	Wi-Fi password :	abcd1234
(5 GHz)	Wi-Fi network name :	edimax_5G_6937D1
	Wi-Fi password :	abcd1234

**9.** The BR-6208AC V2 is working and ready for use. Refer to <u>IV-2. Connecting</u> to a Wi-Fi network if you require more guidance.

#### II-3. Range Extender Mode

**1.** Select "Range Extender" from the top menu and click "Next".



**2.** Please ensure your BR-6208AC V2 is within Wi-Fi range of your existing wireless router. Click "Next" to continue.

EDİMAX		Range Extender
	Existing Wire Router xDSL	/Cable Modem
your existing router. Place the ran	o setup a wireless connection betwe ge extender close to the area where ge extender is still within the cover	you wish to extend your
	Back Next	

**3.** Select whether to use the 5GHz wireless frequency, 2.4GHz wireless frequency or both. If you are not sure, select both and then click "Next".

EDİMAX	Range Extende
Please select the wir	eless frequency that same as your existing wirelesss network.
	I. Enable 5GHz
	☑ 2. Enable 2.4GHz

**4.** Select the Wi-Fi network name (SSID) which you wish to connect to for the specified frequency and click "Next" to continue.

If the Wi-Fi network you wish to connect to does not appear, try clicking "Refresh".

	MAX		Range Extende
		5GHz Wireless Site Survey	
the rou		urveying all available routers nearby. Please select the connect is not listed, try clicking "Refresh". To connec ly".	
	Setup exte	nder manually	
	Setup exte	nder manually SSID	Signal
1			Signal
	Select	SSID	
	Select	SSID OBM_68U_5G	100%
	Select ©	SSID OBM_68U_5G EdimaxHQ_5G	100% =
	Select © ©	SSID OBM_68U_5G EdimaxHQ_5G Edimax IP CAM_5G	100% 100%

To connect to a hidden SSID, check the "Setup extender manually" box and enter the details manually on the next page, as shown below.

	5GH	z Wireless Site Survey	
lease set a new Wi-Fi n our existing wireless ne		or the range extender if you wish, and s	set the security key for
Wi-Fi netwo	rk name (SSID):		
Range	extender SSID:		
	Encryption	WPA Pre-shared Key 🔻	
	WPA Type	WPA(TKIP)	
	Key Format	Passphrase 🔹	
Wi-Fi pass	word (Security Key):		

**5.** Enter your existing wireless network's security key/password in the "Security Key" field and click "Next" to continue.

EDIMAX	Range Extender
	5GHz Wireless Site Survey
Please set a new Wi-Fi network name (SSI your existing wireless network if required.	ID) for the range extender if you wish, and set the security key for
Device SSID	EdimaxHQ_5G_2EX
Security Key	
	Back Next

**6.** Wait a moment while the BR-6208AC V2 tests the wireless connection.

EDIMAX		Range Extender
	Testing wireless connection	
	40%	

7. Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6208AC V2. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click "Next" to proceed to the next step.

*"Obtain an IP address automatically" is the recommended setting for most users. The IP address will be displayed in brackets.* 

Co	nnection test complete. Ple	lease click "Next" when you are ready to continue.
	Obtain an IP add	dress automatically (IP : 10.0.20.136)
	O Use the following	ng IP address
	IP address :	192 . 168 . 9 . 3
	Subnet Mask :	255 . 255 . 255 . 0
	Default gateway :	0.0.0.0

8. If you selected to use both 2.4GHz and 5GHz wireless frequencies in step 3, then repeat steps 4 – 7 for the 2.4GHz wireless frequency.

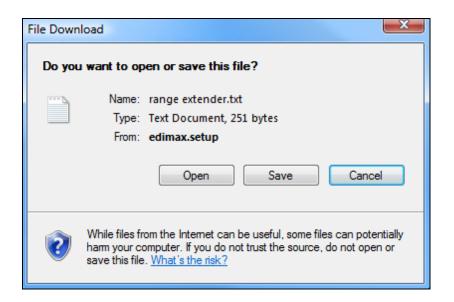
	MAX		Range Extende
		2.4GHz Wireless Site Survey	
If the rou		s surveying all available routers nearby. Please select the rou to connect is not listed, try clicking "Refresh". To connect to ually".	
	Setup e	xtender manually	
	Setup ex Select	xtender manually SSID	Signal
			100%
	Select	SSID	
	Select	SSID Matt	100%
	Select ©	SSID Matt OBM_68U	100%
	Select	SSID Matt OBM_68U EdimaxHQ	100%

**9.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click "Next" to proceed.

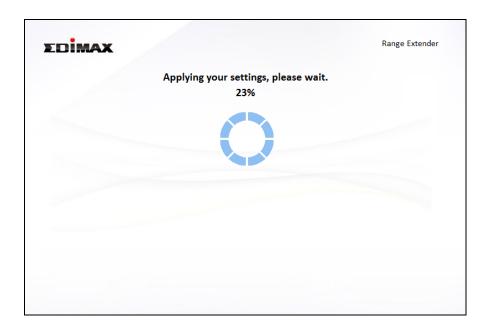
The device will use the same wireless password/security key as the existing wireless network.

ommended that you bac 'Next" when you are rea	kup your settings, please click "Backup this ady to continue.
address :	10.10.10.102
/i-Fi network name :	6478ac_2.4G_75E73B_2EX
/i-Fi password :	23232323
address :	10.0.20.119
/i-Fi network name :	EdimaxHQ_5G_2EX
/i-Fi password :	Open Security
	'i-Fi network name : 'i-Fi password : address : 'i-Fi network name :

If you wish to backup the BR-6208AC V2's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.



**10.** Please wait a moment until the BR-6208AC V2 is ready.



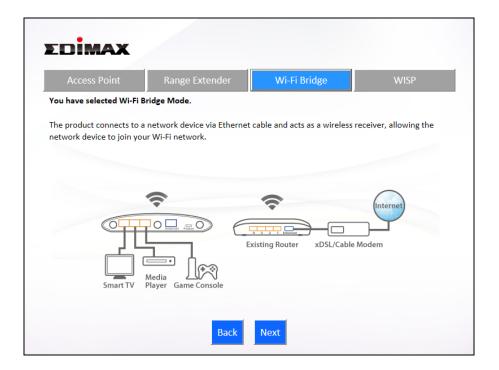
**11.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.

	Congratulation	on!
You have successfully complet	ed setup. Please connect to th	e device's new Wi-Fi network name (SSID) listed
below. For advanced settings,	please access http://edimax.se	etup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	6478ac_2.4G_75E73B_2EX
	Wi-Fi password :	23232323
(5 GHz)	Wi-Fi network name :	EdimaxHQ_5G_2EX
	Wi-Fi password :	Open Security

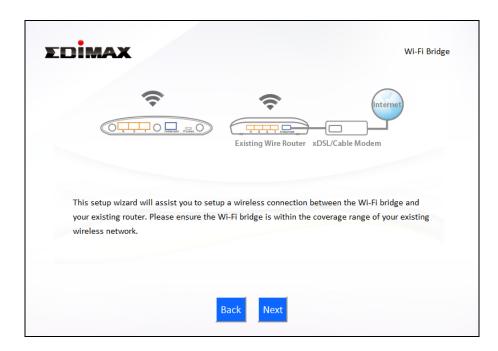
**12.** The BR-6208AC V2 is working and ready for use. Refer to <u>IV-2</u>. <u>Connecting to a Wi-Fi network</u> if you require more guidance.

### II-4. Wireless Bridge Mode

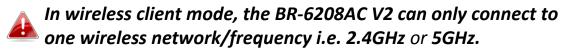
**1.** Select "Wireless Bridge" from the top menu and click "Next".



**2.** Please ensure your BR-6208AC V2 is within Wi-Fi range of your existing wireless router. Click "Next" to continue.



**3.** Select the frequency (2.4GHz or 5GHz) of your existing wireless network.



EDİMAX	Wireless Bridge
Please select the wireless frequency that sa	ne as your existing wireless network.
1. Enable 5GHz	
2. Enable 2.4GF	łz

**4.** Select the Wi-Fi network name (SSID) which you wish to connect to and click "Next" to continue.

If the Wi-Fi network you wish to connect to does not appear, try clicking "Refresh".

	MAX		Wireless Bridge
		2.4GHz Wireless Site Survey	
f the rou	iter you wi ireless bri	e is surveying all available routers nearby. Please select the rou sh to connect is not listed, try clicking "Refresh". To connect to dge manually". wireless bridge manually.	· · · · · · · · · · · · · · · · · · ·
	Select	SSID	Signal
	O	Matt	100%
	© ©	Matt FREE Wi-Fi	100%
2	© ©		=
	© © ©	FREE Wi-Fi	100%
	© © © ©	FREE WI-FI OBM_68U	100%

To connect to a hidden SSID, check the "Setup extender manually" box and enter the details manually on the next page, as shown below.

	2.4GH	Iz Wireless Site Survey	
Please enter your exis	sting Wi-Fi network name	e (SSID) and security key if required.	
Wi-Fi netv	vork name (SSID):		
	Encryption	WPA Pre-shared Key 🔻	
	WPA Type Key Format	WPA(TKIP)      WPA2(AES)     Passphrase	
Wi-Fi pa	assword (Security Key):	rasspirase	

**5.** Enter your existing wireless network's security key/password in the "Security Key" field and click "Next" to continue.

2.4GHz Wir	eless Site Survey		
Please enter your existing Wi-Fi	network security key	if required.	
Device SSID FREE Wi-	Fi		
Security Key			

**6.** Wait a moment while the BR-6208AC V2 tests the wireless connection.

EDIMAX		Wireless Bridge
	Testing wireless connection 20%	
	0	

7. Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6208AC V2. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click "Next" to proceed to the next step.

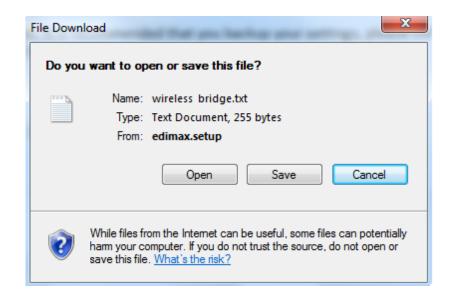
*"Obtain an IP address automatically" is the recommended setting for most users. The IP address will be displayed in brackets.* 

Connect	ion test cpmplete. P	lease click "Next" when you are read	ly to continue.
	Obtain an IP add	dress automatically (IP : 192.168.0.1	00)
	Ose the following the second secon	ng IP address	
	IP address :	192.168.2.3	
	Subnet Mask :	255 . 255 . 255 . 0	
	Default gateway :	0.0.0.0	

**8.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click "Next" to proceed.

EDIMAX		Wireless Bridge
Configuration is complete. It configuration" to do so. Then		backup your settings, please click "Backup this e ready to continue.
	IP address :	192.168.0.100
(2.4 GHz)	Wi-Fi network name :	FREE Wi-Fi
	Wi-Fi password :	12345678
	Backup this conf	iguration
	Back	Next

If you wish to backup the BR-6208AC V2's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.



**9.** Please wait a moment until the BR-6208AC V2 is ready.



**10.** A final congratulations screen will indicate that setup is complete. Please close the browser window.

EDIMAX	Wireless Bridge
Congratulation!	
You have sucessfully completed setup.Please connect your wired device oridge. For advanced settings, please access http://edimax.setup from y	

**11.** The BR-6208AC V2 is working and ready for use. You can now connect the BR-6208AC V2 to your network device using an Ethernet cable and connect to your network as usual.

### II-5. WISP Mode

**1.** Select "WISP" from the top menu and click "Next".



**2.** Please ensure your BR-6208AC V2 is within Wi-Fi range of your WISP network and click "Next" to continue.

EDIMA	ĸ		WISP
		Wireless Internet Service Provider or Hotspot AP	
This setup wizard will a	assist you to setup a wireless conn	ection between your Wi-Fi router and WISP.	
	Back	Next	

**3.** Select whether to use the iQ Setup wizard (recommended) to detect your Internet connection type, or enter the settings manually.

A Manual configuration is only recommended for advanced users.

EDİMAX		WISP
The iQ Setup wizard can or you can setup your de	help detect your Internet connection type, and walk yo wice manually.	ou through setup step-by-step,
	I. iQ Setup wizard	
	2. Configure manually	

**4.** Select the wireless frequency (2.4GHz or 5GHz) of your WISP network.

	WISP
Please select the wireless frequency that same as your WISP used.	
1. Enable 5GHz	
<ul> <li>I. Enable 3GHz</li> <li>I. Enable 2.4GHz</li> </ul>	

5. Select the WISP SSID which you wish to connect to and click "Next" to continue.



If the Wi-Fi network you wish to connect to does not appear, try clicking "Refresh".

	MAX		WISF
		2.4GHz Wireless Site Survey	
VISP you		urveying all available WISP nearby. Please select the WISP yo nnect is not listed, try clicking "Refresh". To connect to a hid ly".	
	Setup W	VISP manually.	
	Setup W	VISP manually. SSID	Signal
1			100%
	Select	SSID	
	Select	SSID Matt	100%
	Select O	SSID Matt FREE WI-Fi	100%
	Select	SSID Matt FREE WI-FI OBM_68U	100% E

To connect to a hidden SSID, check the "Setup extender manually" box and enter the details manually on the next page, as shown below.

	2.4GH	z Wireless Site Survey	
Please enther your WISP's Wi	-Fi network name	and the security key provide from you	r WISP if required.
Wi-Fi network na	me (SSID):		
	Encryption	WPA Pre-shared Key 🔻	
	WPA Type	WPA(TKIP)	
	Key Format	Passphrase 🔻	
Wi-Fi password	(Security Key):		

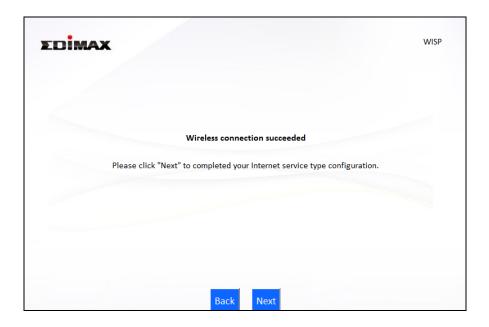
**6.** Enter your existing wireless network's security key/password in the "Security Key" field and click "Next" to continue.

2.4GHz Wireless Site Survey	
Please enter the security key provide from your WISP if required.	
. cyan cui	
Device SSID FREE Wi-Fi	
Security Key	

**7.** Wait a moment while the BR-6208AC V2 tests the wireless connection.

ΣDİMAX		WISP
	Testing wireless connection 21%	
	1	

**8.** Click "Next" to continue your Internet service type configuration.



**9.** Wait a moment while the BR-6208AC V2 connects to the Internet.

<b>EDİMAX</b>	onnecting to Internet 24%	WISP

**10.** When the Internet is connected, click "Next" to configure your wireless network.

EDIMAX		WISP
	Internet is now connected	
Plea	ease click "Next" to configure your wireless network.	
	Back Next	

**11.** Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click "Next" to continue.

EDİN	AX		WISP
	Please set your Wi-Fi ı	network name (SSID) and Wi-Fi password.	
	Wi-Fi network name (2.4GHz):	edimax_2.4G_6937C1	
	Wi-Fi password (WPA2-AES):	abcd1234	
		(at least 8 characters)	
	Wi-Fi network name (5GHz):	edimax_5G_6937D1	
	Wi-Fi password (WPA2-AES):	abcd1234 ×	
		(at least 8 characters)	

**12.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click "Next" to proceed.

EDIMAX			WISP
Configuration is complete. It is re configuration" to do so. Then clic		ckup your settings, please click "Backup this ady to continue.	
	Internet Type :	Dynamic IP	
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_6937C1	
	Wi-Fi password :	abcd1234	
(5 GHz)	Wi-Fi network name :	edimax_5G_6937D1	
	Wi-Fi password :	abcd1234	
	Backup this confi	guration	
	Back	Next	

If you wish to backup the device's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.

File Down	load
Do you	u want to open or save this file?
	Name: wisp.txt Type: Text Document, 141 bytes From: <b>edimax.setup</b>
	Open 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 open or save this file. <u>What's the risk?</u>

**13.** Please wait a moment until the BR-6208AC V2 is ready.



**14.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.

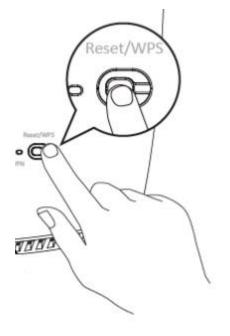
	6	
	Congratulati	
		e device's new Wi-Fi network name (SSID) listed
below. For advanced settings,	please access http://edimax.se	tup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_6937C1
	Wi-Fi password :	abcd1234
(5 GHz)	Wi-Fi network name :	edimax_5G_6937D1
	Wi-Fi password :	abcd1234

**15.** The BR-6208AC V2 is working and ready for use. Refer to <u>IV-2</u>. <u>Connecting to a Wi-Fi network</u> if you require more guidance.

#### II-6. WPS Setup

If your wireless device supports WPS (Wi-Fi Protected Setup) then you can use this method to connect to the BR-6208AC V2's Wi-Fi network.

- Press the WPS button on the BR-6208AC V2 for 2 5 seconds to activate WPS. The WLAN LED will be lighted on to indicate that WPS is active.
- 2. Within two minutes, press the WPS button on the wireless device/client to activate its WPS.
- **3.** The devices will establish a connection. Repeat for additional wireless devices.



# Please check the instructions for your wireless device for how long you need to hold down its WPS button to activate WPS.

#### II-7. Reset to Factory Default Settings

If you experience problems with your BR-6208AC V2, you can reset the device back to its factory settings. This resets **all** settings back to default.

- **1.** Press and hold the WPS/Reset button found on the back panel for at least 10 seconds, until the power LED begins to flash.
- **2.** Release the button when the power LED is **flashing**.
- **3.** Wait for the BR-6208AC V2 to restart. The BR-6208AC V2 is ready for setup when the power LED, 2.4GHz Wi-Fi and 5GHz Wi-Fi LEDs display **on**.

After you have setup the BR-6208AC V2 as detailed in **II. Installation** or the included **Quick Installation Guide**, you can use the browser based configuration interface to configure advanced settings.



#### III-1. Login

 To access the browser based configuration interface enter http://edimax.setup into the URL bar of a browser on a network device connected to the same Wi-Fi network as the BR-6208AC V2.



If you can not access http://edimax.setup, connect the device to a computer using an Ethernet cable and try again.

**2.** You will be prompted for a username and password. The default username is "admin" and the default password is "1234".



**3.** You will arrive at the "Status" screen. Use the menu down the left side to navigate.

Status				
Setup Wizard	System Status			
Internet	Syst	Wireless Router	IP Address	AN 192.168.2.1
	Current Time	2014/3/3 7:15:45	Subnet Mask	255.255.255.0
► LAN	Hardware Version		DHCP Server	Enable
2.4GHz Wireless	Firmware Version	1.03	MAC Address	00:E0:4C:81:96:C1
► 5GHz Wireless				
Firewall	Inte	rnet	2.4GHz	Wireless
0.05	IP Address Mode	Dynamic IP Connect	Mode	AP
QoS	IP Address	192.168.77.110	ESSID	edimax_2.4G_8196D1
Advanced	Subnet Mask	255.255.255.0	Channel Number	1
Administration	Default Gateway Address	192.168.77.1	Security	WPA2 (AES)
	MAC Address	00:E0:4C:81:96:C9	MAC Address	00:E0:4C:81:96:D1
		192.168.77.1		
	Secondary DNS		5GHz	Wireless
	Third DNS		Mode	AP
			ESSID	edimax_5G_8196C1
			Channel Number	157
			Security	WPA2 (AES)
			MAC Address	00:E0:4C:81:96:C1

#### III-2. Save Settings

**1.** After you configure any settings, click the "Save Settings" button at the bottom of the screen to save your changes.

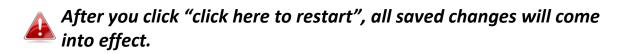


The device needs to restart in order to bring any changes into effect.

**2.** Then, click "click here to restart" in order to restart the device and bring the changes into effect.

Settings have been saved. Please click here to restart the router and bring the new settings into effect.

**3.** To make several changes at once, use the "Save Settings" button after each change and then click "click here to restart" after your final change. Only one restart is necessary as long as each change is saved with the "Save Settings" button.



#### III-3. Main Menu

The main menu displays different options depending on your device's operating mode.

## For Range Extender mode: WPS please refer to 2.4GHz Wireless & 5GHz Wireless → WPS

#### Wi-Fi Router

- Status
- Setup Wizard
- Internet
- ► LAN
- 2.4GHz Wireless
- 5GHz Wireless
- Firewall
- QoS
- Advanced
- Administration

#### Wireless Bridge

- Status
- Setup Wizard
- Administration

# Access Point Status Setup Wizard LAN 2.4GHz Wireless

- 5GHz Wireless
- Advanced
- Administration

#### Range Extender

- Status
   Setup Wizard
- ► WPS
- . . . . . . .
- Administration

#### WISP

Status
Setup Wizard
WISP
LAN
2.4GHz Wireless
5GHz Wireless
Firewall
QoS
Advanced
Administration

#### III-3-1. Status



The "Status" page displays basic system information about the device, arranged into categories.

## Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.

	ï Router			
Status				
Setup Wizard	System Status			
Internet		tem		AN
momor	Model	Wireless Router	IP Address	192.168.2.1
LAN	Current Time	2014/3/3 7:15:45	Subnet Mask	255.255.255.0
2.4GHz Wireless	Hardware Version		DHCP Server	Enable
	Firmware Version	1.03	MAC Address	00:E0:4C:81:96:C1
5GHz Wireless				
Firewall	Inte	rnet	2.4GHz	Wireless
0-0	IP Address Mode	Dynamic IP Connect	Mode	AP
QoS	IP Address	192.168.77.110	ESSID	edimax_2.4G_8196D1
Advanced	Subnet Mask	255.255.255.0	Channel Number	1
Administration	Default Gateway Address	192.168.77.1	Security	WPA2 (AES)
Administration	MAC Address	00:E0:4C:81:96:C9	MAC Address	00:E0:4C:81:96:D1
	Primary DNS	192.168.77.1		
	Secondary DNS		5GHz	Wireless
	Third DNS		Mode	AP
			ESSID	edimax_5G_8196C1
			Channel Number	157
			Security	WPA2 (AES)
			MAC Address	00:E0:4C:81:96:C1

#### III-3-2. Setup Wizard



You can run the setup wizard again to reconfigure the basic settings of the device, or you can run a wizard to

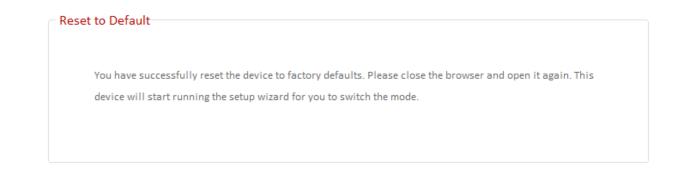
help you switch the device to a different operating mode. Select "Setup Wizard" or "Switch to Router/Access Point/Range Extender/Wireless Bridge/WISP mode" and then click "Run Wizard" to begin.

Setup Wiza	Setup Wizard		
۲	Setup Wizard		
	This setup wizard is an intelligent and easy tool for you to complete the basic settings of the device		
	quickly.		
0	Switch to Router/Access Point/Range Extender/Wireless Bridge/WISP mode		
	This setup wizard will guide you to switch the device to another mode.		
	Run Wizard		

Setup Wizard	This wizard will help you to set up the basic
	functions and settings of the device. For
	guidance about using the setup wizard, please
	refer to <u>II. Installation</u> .
Switch to Router/Access	This wizard will help you to switch the device
<b>Point/ Range Extender/</b>	to a different operating mode: Wi-Fi router
Wireless Bridge/ WISP	mode, access point mode, range extender,
mode	wireless bridge, or WISP mode (see below).

## Switch to Router/Access Point/ Range Extender/ Wireless Bridge/ WISP mode:

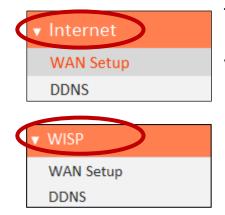
- **1.** Follow the on-screen instructions to back up your current settings and then reset the device back to its factory default settings.
- 2. After the device has reset you will see the screen below. Close your browser and open it again.



**3.** Follow the on-screen wizard to setup your device in a different mode. Refer to <u>II. Installation Step 3</u> onwards for help if needed.

If you don't see the "Get Started" screen, try reconnecting to the edimax.setup SSID and go to http://edimax.setup in a web browser.

#### III-3-3. Internet/WISP



The "Internet" menu provides access to WAN and DDNS settings. Click on an item from the submenu to view and/or configure the settings.

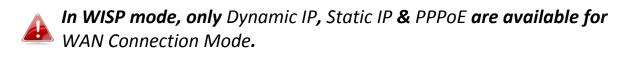
#### In WISP mode, the screen below will be displayed:

🔘 Disable 🖲 Enable
FREE Wi-Fi
2.4G 5G Select Site List
3
WPA Pre-shared Key 💌
🔘 WPA (TKIP) 🔘 WPA2 (AES)
Passphrase 💌
12345678

Enable / Disable	Enable or disable your WISP connection.
SSID	The name of the WISP network which your BR-6208AC V2 is connected to. Manually
	enter an SSID if you wish or use "Site Survey" below.
Site Survey	Select wireless frequency and click "Select
	Site List" to open a new window and select
	your WISP network.
Security Setting	Please refer to III-3-5-1. Basic for a
	description of security settings.

#### III-3-3-1. WAN Setup

Select a Wide Area Network (WAN) connection mode and configure the settings. If you are unsure about your connection type, contact your ISP.



WAN Connection Mode		
	Connection Mode	Dynamic IP
		Static IP PPPoE
Dynamic IP	Host Name	PPTP L2TP

#### III-3-3-1-1. Dynamic IP

Select "Dynamic IP". If your Internet service provider assigns IP address automatically using DHCP (Dynamic Host Configuration Protocol).

Dynamic IP	
Host Name	
MAC Address	f01faf6518c8 Clone MAC
DNS Address	Obtain an IP address automatically Use the following IP address
DNS1 Address	0.0.0
DNS2 Address	0.0.0
DNS3 Address	0.0.0
MTU	1500 (512<= MTU Value <=1500)
TTL	Disable      Enable
	Save Settings

Host Name	Enter the host name of your computer.
MAC Address	For some applications, you may need to designate a specific MAC address for the router. Please enter the MAC address here. If you are connecting the router to a computer, press "Clone Mac" to automatically enter your computer's MAC address.
DNS Address	Select "Obtain an IP address automatically" or "Use the following IP address". Check with your ISP if you are unsure.
DNS Address 1,2 & 3	Enter the DNS address(es) assigned by your ISP here.
MTU	Enter the maximum transmission unit (MTU) value of your network connection. The default value is 1500.
TTL	Enable/Disable time to live (TTL) function which limits the lifespan of network data to improve performance.

#### III-3-3-1-2. Static IP

Select "Static IP" if your ISP provides Internet access via a fixed IP address. Your ISP will provide you with such information as IP address, subnet mask, gateway address, and DNS address.

Static IP	
Fixed IP IP Address	172.1.1.1
Subnet Mask	255.255.0.0
Default Gateway Address	172.1.1.254
MAC Address	000000000000 Clone MAC
DNS1 Address	0.0.0.0
DNS2 Address	0.0.0.0
DNS3 Address	0.0.0.0
MTU	1500 (512<= MTU Value <=1500)
TTL	
	Save Settings

Fixed IP Address	Input the IP address assigned by your ISP here.
Subnet Mask	Input the subnet mask assigned by your ISP
	here.
Default Gateway	Input the default gateway assigned by your
Address	ISP here. Some ISPs may call this "Default
	, Route".
MAC Address	For some applications, you may need to
	designate a specific MAC address for the
	router. Please enter the MAC address here.
	If you are connecting the router to a
	computer, press "Clone Mac" to
	automatically enter your computer's MAC
	address.
DNS Address 1, 2 & 3	Enter the DNS address(es) assigned by your
	ISP here.
MTU	Enter the maximum transmission unit (MTU)
	value of your network connection. The
	default value is 1500.
TTL	Enable/Disable time to live (TTL) function
	which limits the lifespan of network data to
	improve performance.

III-3-3-1-3. PPPoE

Select "PPPoE" if your ISP is providing you Internet access via PPPoE (Point-to-Point Protocol over Ethernet).

PPPoE	
User Name	
Password	
MAC Address	00000000000000000000000000000000000000
DNS Address	Obtain an IP address automatically Use the following IP address
DNS1 Address	0.0.0
DNS2 Address	0.0.0
DNS3 Address	0.0.0
TTL	Disable      Enable
Service Name	
MTU	1392 (512<= MTU Value <=1492)
Connection Type	Continuous V Connect Disconnect
Idle Time Out	10 (1-1000 minutes)
Enable Dual Wan Access :	
IGMP Source	● ETH ○ PPP
	Save Settings

User Name	Enter the user name assigned by your ISP here.
Password	Enter the password assigned by your ISP here.
MAC Address	For some applications, you may need to designate a specific MAC address for the router. Please enter the MAC address here. If you are connecting the router to a computer, press "Clone Mac" to automatically enter your computer's MAC address.
DNS Address	Select "Obtain an IP address automatically" or "Use the following IP address". Check with your ISP if you are unsure.
DNS Address 1, 2 & 3	Enter the DNS address(es) assigned by your ISP here.
TTL	Enable/Disable time to live (TTL) function

	which limits the lifespan of network data to	
	improve performance.	
Service Name	Give this Internet service a name (optional).	
MTU	Enter the maximum transmission unit (MTU) value of your network connection. The default value is 1392.	
Connection Type	Specify a connection type:	
	<ol> <li>"Continuous": Connected all the time.</li> <li>"Connect on Demand": Connect when you initiate an Internet connection.</li> <li>"Manual": Connect/disconnect manually using the "Connect" and "Disconnect" buttons.</li> </ol>	
Idle Time Out	Specify the amount of time the router waits before shutting down an idle connection. Only available when "Connect on Demand" (above) is selected.	
Enable Dual-WAN Access	Enable/disable dual WAN access. When you enable dual WAN access, select an IGMP source and enter a "Host Name" and "MAC Address".	

#### III-3-3-1-4. PPTP

Select "PPTP" if your ISP is providing you Internet access via PPTP (Point-to-Point Tunneling Protocol). Then select "Obtain an IP address automatically" or "Use the following IP address" depending on your ISP.

Obtain an IP address automatically :	
Host Name	
MAC Address	00000000000000000000000000000000000000
$\bigcirc$ Use the following IP address $:$	
Static IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Gateway Address	0.0.0.0
MAC Address	00000000000 Cione MAC
DNS Address	Obtain an IP address automatically Ouse the following IP address
DNS1 Address	0.0.0.0
DNS2 Address	0.0.0.0
DNS3 Address	0.0.0.0
Enable Dual Wan Access :	
IGMP Source	● ЕТН ○ РРР
PPTP Settings :	
User ID	
Password	
PPTP Gateway	0.0.0.0
Connection ID	(Optional)
MTU	1392 (512<= MTU Value <=1492)
MTU BEZEQ-ISRAEL	1392       (512<= MTU Value <=1492)

Host Nama	Enter the best name of your computer here if
Host Name	Enter the host name of your computer here If required.
MAC Address	For some applications, you may need to designate a
	specific MAC address for the router. Please enter
	the MAC address here. If you are connecting the
	router to a computer, press "Clone Mac" to
	automatically enter your computer's MAC address.
Static IP Address	Input the IP address assigned by your ISP here.
Subnet Mask	Input the subnet mask assigned by your ISP here.
Default Gateway	Input the default gateway assigned by your ISP
Address	here. Some ISPs may call this "Default Route".
MAC Address	If your ISP filters access by MAC addresses, enter
	your computer's MAC address here. Click "Clone
	MAC" to automatically enter your computer's MAC
	address.
DNS Address	Select "Obtain an IP address automatically" or "Use
	the following IP address". Check with your ISP if you
	are unsure.
DNS Address 1,2 & 3	Enter the DNS address(es) assigned by your ISP
	here.
Enable Dual-WAN	Enable/disable dual WAN access. When you enable
Access	dual WAN access, select an IGMP source and enter
	a "Host Name" and "MAC Address".
User ID	Input the user name assigned by your ISP here.
Password	Input the password assigned by your ISP here.
PPTP Gateway	Input the PPTP gateway assigned by your ISP here.
Connection ID	Specify a reference name/ID for the connection.
MTU	Enter the maximum transmission unit (MTU) value
	of your network connection. The default value is
	1392.
BEZEQ-ISRAEL	Check the "Enable" box if you are using BEZEQ
	network services (Israel users only).
Connection Type	Specify a connection type:
	1. "Continuous": Connected all the time.
	2. "Connect on Demand": Connect when you
	initiate an Internet connection.
	3. "Manual": Connect/disconnect manually using
	the "Connect" and "Disconnect" buttons.
Idle Time Out	Specify the amount of time the router waits before

#### III-3-3-1-5. L2TP

Select "L2TP" if your ISP is providing you Internet access via L2TP (Layer 2 Tunneling Protocol).

ullet Obtain an IP address automatically :	
Host Name	
MAC Address	00000000000 Clone MAC
$\bigcirc$ Use the following IP address $:$	
Static IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Gateway Address	0.0.0.0
MAC Address	00000000000 Clone MAC
DNS Address	Obtain an IP address automatically Use the following IP address
DNS1 Address	0.0.0.0
DNS2 Address	0.0.0.0
DNS3 Address	0.0.0.0
Enable Dual Wan Access :	
IGMP Source	● ETH ○ PPP
L2TP Settings :	
User ID	
Password	
L2TP Gateway	0.0.0.0
MTU	1392 (512<= MTU Value <=1492)
Connection Type	Continuous V Connect Disconnect
Idle Time Out	10 (1-1000 minutes)
	Save Settings

Host Name	Enter the host name of your computer here If required.
MAC Address	For some applications, you may need to designate a specific MAC address for the router. Please enter the MAC address here. If you are connecting the router to a computer, press "Clone Mac" to automatically enter your computer's MAC address.

Input the IP address assigned by your ISP here.
Input the subnet mask assigned by your ISP here.
Input the default gateway assigned by your ISP
here. Some ISPs may call this "Default Route".
If your ISP filters access by MAC addresses, enter
your computer's MAC address here. Click "Clone
MAC" to automatically enter your computer's MAC
address.
Select "Obtain an IP address automatically" or "Use
the following IP address". Check with your ISP if you
are unsure.
Enter the DNS address(es) assigned by your ISP
here.
Enable/disable dual WAN access. When you enable
dual WAN access, select an IGMP source and enter
a "Host Name" and "MAC Address".
Input the user name assigned by your ISP here.
Input the password assigned by your ISP here.
Input the L2TP gateway assigned by your ISP here.
Specify a reference name/ID for the connection.
Enter the maximum transmission unit (MTU) value
of your network connection. The default value is
1392.
Specify a connection type:
1. "Continuous": Connected all the time.
2. "Connect on Demand": Connect when you
initiate an Internet connection.
3. "Manual": Connect/disconnect manually using
the "Connect" and "Disconnect" buttons.
Specify the amount of time the router waits before
shutting down an idle connection. Only available
when "Connect on Demand" (above) is selected.

#### III-3-3-2. DDNS

Dynamic DNS (DDNS) is a service which provides a hostname-to-IP service for dynamic IP users. The changing nature of dynamic IPs means that it can be difficult to access a service provided by a dynamic IP user; a DDNS service though can map such dynamic IP addresses to a fixed hostname, for easier access. The router supports several DDNS service providers, for more details and to register for a DDNS account please visit the DDNS providers website(s), examples of which are listed below.

DDNS	
Enable / Disable	🔘 Enable 🖲 Disable
Provider	DynDNS 📼
Domain Name	
Account / E-mail	
Password / Key	
	Save Settings

Enable/Disable	Enable or disable DDNS
Provider	Select DDNS service provider.
Domain Name	Enter the domain name provided by the
	DDNS provider.
Account/Email	Please enter the DDNS registration
	account/email.
Password/Key	Enter the DDNS service password/key.

The following DDNS services are supported:

3322	http://www.3322.org
DHS	http://www.dhs.org
DynDNS	http://www.dyndns.org
ODS	http://ods.org
TZO	http://www.tzo.com
GnuDIP	http://gnudip2.sourceforge.net
DyNS	http://www.dyns.cx/
ZoneEdit	http://www.zoneedit.com

DHIS	http://www.dhis.org/
CyberGate	http://cybergate.planex.co.jp/ddns/
NS2GO	http://www.ns2go.com/
NO-IP	http://www.noip.com/

#### III-3-4. LAN



You can configure your Local Area Network (LAN) on this page. You can enable the router to dynamically allocate IP addresses to your LAN clients, and you can

modify the IP address of the device. The device's default IP address is 192.168.2.1.

## You can access the browser based configuration interface using the device's IP address instead of using the URL http://edimax.setup.

LAN IP	
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
802.1d Spanning Tree	Disable 🗸
DHCP Server	Enable 💙
Lease Time	One hour 🗸

IP Address	Specify the IP address here. This IP address
	will be assigned to the BR-6208AC V2 and will
	replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is
	255.255.255.0
802.1d Spanning	Select "Enable" or "Disable" to enable/disable
Tree	802.1d Spanning Tree. This creates a tree of
	connected layer-2 bridges (typically Ethernet
	switches) within a mesh network, and
	disables those links that are not part of the
	tree, leaving a single active path between any
	two network nodes.
DHCP Server	Enable or disable the DHCP server.
Lease Time	Select a lease time for the DHCP leases here.
	The DHCP client will obtain a new IP address
	after the period expires.

Your device's DHCP server automatically assigns IP addresses to computers on its network, between a defined range of numbers.

DHCP Server	
Start IP	192.168.2.100
End IP	192.168.2.200

Start IP	Enter the start IP address for the DHCP server's IP address leases.
End IP	Enter the end IP address for the DHCP server's IP address leases.

Your device's DHCP server can be configured to assign static (fixed) IP addresses to specified network devices, identified by their unique MAC address.

tic DHCP Leas	se Table		
	Only 16 sets of address	es are allowed.	
NO.	MAC Address	IP Address	Select
1	00:1b:63:cb:4c:b5	192.168.2.110	
		Delete Selected	Delete All
🔽 Enab	le Static DHCP Leases		
Nous	MAC Address	IP Address	
New			Add

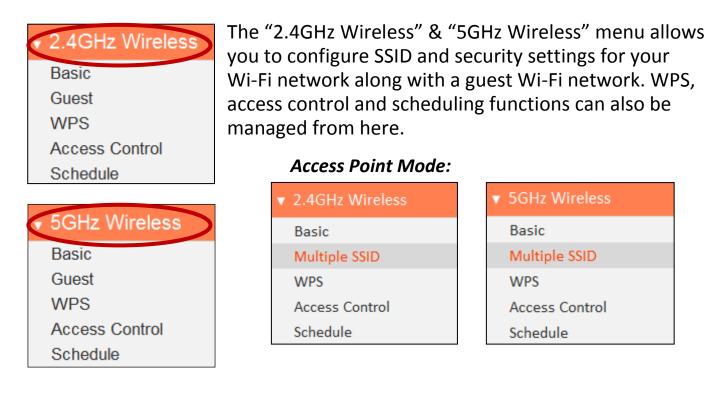
Enable Static DHCP	Enable/disable static DHCP leases. This must
Leases	be enabled in order to assign any network
	device a static IP address.
MAC Address	Enter the specified network device's MAC
	address here.
IP Address	Assign a fixed IP address for the specified
	network device here.
Add	Add the information to the "Static DHCP
	Leases Table".
Clear	Clear the MAC address and IP address fields.
Delete Selected /	Delete selected or all entries from the table.
Delete All	



The LAN IP page will be displayed as below when your device is set to access point mode. You can set theBR-6208AC V2 to obtain an IP address automatically or you can specify an IP address.

Obtain	an IP address automatically
Use th	e following IP address
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
Default Gateway Address	

#### III-3-5. 2.4GHz Wireless & 5GHz Wireless



In Access Point mode, the "Guest" feature in the menu is replaced by "Multiple SSID".

#### III-3-5-1. Basic

The "Basic" screen displays settings for your primary 2.4GHz or 5GHz Wi-Fi network.

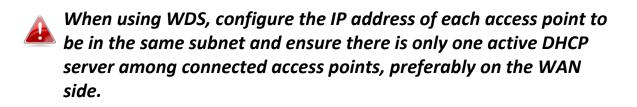
Basic Settings	
Disable Wireless	
Mode	AP
Band	2.4 GHz (b+g+n)
Wireless Network Name (SSID)	edimax_2.4G_EDF2D1
Broadcast SSID	◉ Enable <sup>©</sup> Disable
	Enable Wireless Clients Isolation
Channel Number	Auto 💌
Site Survey	Select Site List
Wireless Clients	Show List

Disable Wireless	Check the box to disable the wireless function of your device.
Mode	Keep the default "AP" value for the device to

	act as a standard wireless access point, or
	select "AP Bridge-WDS" for the device to
	function in WDS mode (see below).
Band	Displays the wireless standard used for the
	BR-6208AC V2's "2.4GHz (B+G+N)" means
	that 802.11b, 802.11g, and 802.11n wireless
	clients can connect to the BR-6208AC V2.
Wireless Network	This is the name of your Wi-Fi network for
Name (SSID)	identification, also sometimes referred to as
	"SSID". The SSID can consist of any
	combination of up to 32 alphanumerical
	characters.
Broadcast SSID	Enable or disable SSID broadcast. When
Di Vaucast SSID	enabled, the SSID will be visible to clients as
	an available Wi-Fi network. When disabled,
	the SSID will not be visible as an available
	Wi-Fi network to clients – clients must
	manually enter the SSID in order to connect.
	A hidden (disabled) SSID is typically more
	secure than a visible (enabled) SSID.
Enable Wireless	Check the box to enable wireless clients
Clients Isolation	isolation. This prevents wireless clients
	connected to the BR-6208AC V2 from
	communicating with each other and improves
	security. Typically, this function is useful for
	security. Typically, this function is useful for
	corporate environments or public hot spots
	corporate environments or public hot spots
Channel Number	corporate environments or public hot spots and can prevent brute force attacks on
Channel Number	corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords. Select a wireless radio channel or use the
Channel Number	corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.
	corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords. Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.
Channel Number Site Survey	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new</li> </ul>
	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the</li> </ul>
	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This</li> </ul>
	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective</li> </ul>
Site Survey	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective wireless channel number.</li> </ul>
	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective wireless channel number.</li> <li>Click "Show List" to display a new window</li> </ul>
Site Survey	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective wireless channel number.</li> <li>Click "Show List" to display a new window showing information about wireless clients.</li> </ul>
Site Survey	<ul> <li>corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.</li> <li>Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.</li> <li>Click "Select Site List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective wireless channel number.</li> <li>Click "Show List" to display a new window</li> </ul>

Mode	AP Bridge-WDS 💌
Band	AP
banu	AP Bridge-WDS

Wireless Distribution System (WDS) can bridge/repeat access points together in an extended network. WDS settings can be configured as shown below.



WDS must be configured on each access point, using correct MAC addresses. All access points should use the same wireless channel.



MAC Address 1 - 4	Enter the correct MAC address for other access points in WDS mode.
Set Security	Click "Set Security" to open a new window and enter the security settings for WDS (shown below). Click "Save" when finished.



Please ensure you setup and save wireless security settings before you click "Set Security" to set WDS security settings.

#### AP Bridge-WDS Security Setting

Encryption	WPA Pre-shared Key 🔻
WPA Unicast Cipher Suite	WPA2 (AES)
Pre-shared Key Format	Passphrase 🔻
Pre-shared Key	
Save	Close
Wireless Security:	

Wireless Security		
Encryption	WEP 🔽	
Key Length	64-bit 💌	
Key Format	Hex (10 characters)	
Encryption Key	•••••	III Hide
Enable 802.1x Authentication		

Select an encryption type from the drop-down menu:

WPA Pre-shared Key" is the recommended and most secure encryption type.

In WISP mode, WPA RADIUS is unavailable for the wireless band that is used to connect to WISP's AP.

Wireless Security	
Encryption	Disable 💌
Enable 802.1x Authentication	Disable WEP
	WPA Pre-shared Key WPA RADIUS

#### III-3-5-1-1. Disable

Encryption is disabled and no password/key is required to connect to the BR-6208AC V2.

## Disabling wireless encryption is not recommended. When disabled, anybody within range can connect to your device's SSID.

Enable 802.1x	Check the box to enable the 802.1x
Authentication	authentication. A RADIUS server is required to
	perform 802.1x authentication: enter the
	RADIUS server's information in the relevant
	fields (below).

Enable 802.1x Authentication

RADIUS Server IP address	
RADIUS Server Port	1812
RADIUS Server Password	

#### III-3-5-1-2. WEP

WEP (Wired Equivalent Privacy) is a basic encryption type. For a higher level of security consider using WPA encryption.

Wireless Security		
Encryption	WEP	
Key Length	64-bit 💌	
Key Format	Hex (10 characters)	
Encryption Key	••••••	е
Enable 802.1x Authentication		

Key Length	Select 64-bit or 128-bit. 128-bit is more secure than 64-bit.
Key Format	Choose from "ASCII" (any alphanumerical character 0-9, a-z and A-Z) or "Hex" (any characters from 0-9, a-f and A-F).
Encryption Key	Enter your encryption key/password according to the format you selected above. A complex, hard-to-guess key is recommended. Check the "Hide" box to hide your password from being displayed on-screen.
Enable 802.1x Authentication	Check the box to enable the 802.1x authentication. A RADIUS server is required to perform 802.1x authentication: enter the RADIUS server's information in the relevant fields (below).

Enable 802.1x Authentication

1812		

RADIUS Server IP address

RADIUS Server Port

**RADIUS Server Password** 

#### III-3-5-1-3. WPA Pre-Shared Key

WPA pre-shared key is the recommended and most secure encryption type.

Wireless Security	
Encryption	WPA Pre-shared Key -
WPA Unicast Cipher Suite	● WPA (TKIP) ◎ WPA2 (AES) ◎ WPA2 Mixed
Pre-shared Key Format	Passphrase 💌
Pre-shared Key	I Hide

WPA Unicast Cipher Suite Pre-shared Key	Select from WPA (TKIP), WPA2 (AES) or WPA2 Mixed. WPA2 (AES) is safer than WPA (TKIP), but not supported by all wireless clients. Please make sure your wireless client supports your selection. WPA2 (AES) is recommended followed by WPA2 Mixed if your client does not support WPA2 (AES).
Format	Choose from "Passphrase" (8-63 alphanumeric characters) or "Hex" (up to 64 characters from 0-9, a-f and A-F).
Pre-shared Key	Please enter a key according to the format you selected above. A complex, hard-to-guess key is recommended. Check the "Hide" box to hide your password from being displayed on-screen.

# III-3-5-1-4. WPA Radius

WPA RADIUS is a combination of WPA encryption and RADIUS user authentication. If you have a RADIUS authentication server, you can authenticate the identity of every wireless client against a user database.

Wireless Security	
Encryption	WPA RADIUS
WPA Unicast Cipher Suite	● WPA (TKIP) ◎ WPA2 (AES) ◎ WPA2 Mixed
RADIUS Server IP address	
RADIUS Server Port	1812
RADIUS Server Password	

WPA Unicast Cipher Suite	Select from WPA (TKIP), WPA2 (AES) or WPA2 Mixed. WPA2 (AES) is safer than WPA (TKIP), but not supported by all wireless clients. Please make sure your wireless client supports your selection. WPA2 (AES) is recommended followed by WPA2 Mixed if your client does not support WPA2 (AES).
RADIUS Server IP address	Input the IP address of the RADIUS authentication server here.
RADIUS Server Port	Input the port number of the RADIUS authentication server here. The default value is 1812.
RADIUS Server Password	Input the password of the RADIUS authentication server here.

# III-3-5-2. Guest/ Multiple SSID

You can setup an additional "Guest" Wi-Fi network so guest users can enjoy Wi-Fi connectivity without accessing your primary network. The "Guest" screen displays settings for your guest Wi-Fi network.

The guest network is separate from your primary network. The settings for your primary network can be found in the "Basic" menu.



In access point mode, the "Guest" feature in the menu is replaced by "Multiple SSID". The BR-6208AC V2 supports up to four additional SSIDs for each wireless band in access point mode.

Guest Basic Settings	
Enable Guest SSID	
Wireless Guest Name	edimax.1
	Enable Wireless Clients Isolation
Band	2.4 GHz (b+g+n)
Channel Number	Auto 💌 (Same as main SSID)
Guest Wireless Security	
Encryption	Disable 💌
Enable 802.1x Authentication	



802.1x authentication is unavailable in WISP mode for the wireless band that is used to connect to WISP's AP.

Enable Guest SSID	Check/uncheck the box to enable/disable the guest Wi-Fi network.	
Wireless Guest	Enter a reference/ID name for your guest	
Name	wireless network.	
Enable Wireless	Check the box to enable wireless clients	
<b>Clients Isolation</b>	isolation. This prevents wireless clients	
	connected to the BR-6208AC V2 from	
	communicating with each other and improves	
	security. Typically, this function is useful for	
	corporate environments or public hot spots	
	and can prevent brute force attacks on clients'	
	usernames and passwords.	
Band	Displays the wireless standard used for the	

	BR-6208AC V2's frequency band: 2.4GHz (B+G+N): Allows 802.11b, 802.11g, and 802.11n wireless clients to connect to the BR-6208AC V2.
Channel Number	Channel number for the guest network is the same as the main SSID and cannot be adjusted independently.

Encryption	Please refer to III-3-5-1. Basic: Wireless
	Security for details about security settings.



# WPA RADIUS encyrption type is not available for the guest network.

# **MULTIPLE SSID:**

The BR-6208AC V2 supports up to four additional SSIDs for each wireless band in access point mode. Once configured, these SSIDs are displayed in the "Multiple SSID Status" table as shown below. Use the "Multiple SSID Basic Settings" box to configure additional SSIDs.

Multipl	e SSID Statu	S			
NO.	Enable	SSID	VLAN ID	Encryption	MAC Address
1	$\checkmark$	edimax.1	0	Disable	80:1F:02:ED:F2:D2
2	<b>V</b>	edimax.2	0	WPA2 (AES)	80:1F:02:ED:F2:D3
3	<b>V</b>	VLAN	1	WPA2 (AES)	80:1F:02:ED:F2:D4
4		edimax.4	0	Disable	80:1F:02:ED:F2:D5

Multiple SSID Basic Settings	
Multiple SSID	1 (MAC Address : 80:1F:02:ED:F2:D2 )
Wireless Network Name (SSID)	edimax.1
	Enable Multiple SSID
	Enable Wireless Clients Isolation
Band	2.4 GHz (b+g+n)
Channel Number	Auto 💌 (Same as main SSID)
VLAN ID	0 (Untagged:0, Tagged:1~4094)

Multiple SSID	Use the drop down menu to select which SSID
	( numbered 1 – 4) to configure.
Wireless Network	Enter a reference/ID name to separate your
Name (SSID)	wireless network.
Enable Multiple	Check/uncheck this box to enable/disable the
SSID	specified SSID. Must be checked for the SSID to
	function.
Enable Wireless	Check the box to enable wireless clients
<b>Clients Isolation</b>	isolation. This prevents wireless clients
	connected to the BR-6208AC V2 from
	communicating with each other and improves
	security. Typically, this function is useful for
	corporate environments or public hot spots
	and can prevent brute force attacks on clients'
	usernames and passwords.
Band	Displays the wireless standard used for the
	BR-6208AC V2's frequency band:
	2.4GHz (B+G+N): Allows 802.11b, 802.11g, and
	802.11n wireless clients to connect to the
	BR-6208AC V2.
Channel Number	Channel number for the guest network is the
	same as the main SSID and cannot be adjusted
	independently.
VLAN ID	
	Set a VLAN ID for the specified SSID (see
	below).



A VLAN is a local area network which maps workstations virtually instead of physically and allows you to group together or isolate users from each other. VLAN IDs 0 – 4094 are supported.

# III-3-5-3. WPS

Wi-Fi Protected Setup is a simple way to establish connections between WPS compatible devices. WPS can be activated on compatible devices by pushing a WPS button on the device or from within the device's firmware/configuration interface. When WPS is activated in the correct manner and at the correct time for two compatible devices, they will automatically connect. PIN code WPS includes the use of a PIN code between the two devices for verification.

Enable WPS	
Wi-Fi Protected Setup Information :	
WPS Status	Configured
Self Pin Code	91486257
SSID	edimax_2.4G_EDF2D1
Authentication Mode	WPA Pre-shared Key
Authentication Key	abcd1234
Device Configuration :	
Configuration Mode	Registrar
Configure via Push Button	Start PBC
Configure via Client Pin Code	Start PIN

Enable WPS	Check/uncheck this box to enable/disable WPS.
WPS Status	Displays "Configured" or "unConfigured" depending on whether WPS and SSID/security settings for the device have been configured or not, either manually or using the WPS button.
Self PIN Code	Displays the WPS PIN code of the device.
SSID	Displays the SSID of the device.
Authentication Mode	Displays the wireless security authentication mode of the device.
Authentication Key	Displays the wireless security authentication key.
Configuration Mode	The configuration mode of the device's WPS setting is displayed here. "Registrar" means the device acts as an access point for a wireless client to connect to and the wireless client(s)

	will follow the device's wireless settings.	
Configure via Push	Click "Start PBC" (Push-Button Configuration)	
Button	to activate WPS on the access point. WPS will	
	be active for 2 minutes.	
Configure via Client	Enter the wireless client's PIN code here and	
PIN Code	click "Start PIN" to activate PIN code WPS.	
	Refer to your wireless client's documentation if	
	you are unsure of its PIN code.	

# III-3-5-4. Access Control

Access Control is a security feature that can help to prevent unauthorized users from connecting to your wireless router.

This function allows you to define a list of network devices permitted to connect to the BR-6208AC V2. Devices are each identified by their unique MAC address. If a device which is not on the list of permitted MAC addresses attempts to connect to the BR-6208AC V2, it will be denied.

To enable this function, check the box labeled "Enable Wireless Access Control".

Access Control				
Enable Wireless Access Co	ontrol			
MAC Address	»	Commen	t Ad	ld
MAC Address	Device Name	IP Address	Comment	Select
			Delete Selected	Delete All
	Sav	e Settings		

MAC address	Select a PC name from the drop-down list and click ">>" to add enter it into the blank field to the right.
	Click "Refresh' in the drop-down menu to refresh the list of available MAC addresses. If the address you wish to add is not listed, enter it manually.
	Enter a MAC address of computer or network device manually without dashes or colons e.g. for MAC address 'aa-bb-cc-dd-ee-ff' enter 'aabbccddeeff'.
Comment	Enter a comment for reference/identification consisting of up to 16 alphanumerical characters.
Add	Click "Add" to add the MAC address to the MAC address filtering table.

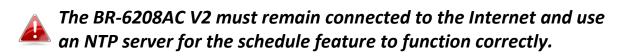
MAC address entries will be listed in the table as shown below. Select an entry using the "Select" checkbox.

MAC Address	Device Name	IP Address	Comment	Select
00:1b:63:cb:4c:b5	MACBOOK-4729BA	192.168.2.101		
			Delete Selected	Delete All
Delete Selected/	Delete selected	or all entrie	s from the ta	able

Delete Selected/	Delete selected or all entries from the table.
Delete All	

# III-3-5-5. Schedule

The schedule feature allows you to automate the wireless radio to switch on/off at specified times. Multiple schedules can be configured. Check/uncheck the box "Enable Schedule Settings" to enable/disable the wireless on/off scheduling function.



Wireless Sc	hedule					
🗷 Enable Sc	hedule Settings					
1. Weekday	Sunday	Monday Friday	Tuesday Saturday		🔲 Wednesda	зγ
2. Time	Hour 0 💌 Minu	te 00 💌				
3. Command	Wireless On 💌					
						Add
	We	eekday		Time	Command	Select
	Monday,Tuesday,Wee	dnesday,Thursday,Friday		01:00	wireless off	
	Monday,Tuesday,Wee	dnesday,Thursday,Friday		08:00	wireless on	
					Delete Selected	Delete All
		Save Set	ttings			
Se	ettings have been saved.	Please <u>click here to restar</u>	the router and br	ing the ne	w settings into effect.	

# Wireless scheduling can save energy and increase the security of your network.

- **1.** Use the checkboxes to select which day(s) to include in the schedule.
- **2.** Specify a time (hour and minute) for the schedule using the drop-down menu.
- **3.** Select which command applies to this schedule from the drop-down menu, either "Wireless On" or "Wireless Off".

Add	Add the schedule to the table of active
	schedules.

Active schedules will be displayed in the table as shown below. Select an entry using the "Select" checkbox.

Weekday	Time	Command	Select
Monday, Tuesday, Wednesday, Thursday, Friday	01:00	wireless off	
Monday, Tuesday, Wednesday, Thursday, Friday	08:00	wireless on	
		Delete Selected	Delete All
Save Settings			
Settings have been saved. Please <u>click here to restart</u> the router and l	oring the new	w settings into effect.	

Delete Selected/	Delete selected or all entries from the table.
Delete All	

# III-3-6. Firewall



The "Firewall" menu provides access to URL blocking, access control, DMZ and DoS functions to improve the security of your wireless network.

provides stateful packet in nection will be allowed by t		) firewall protection. Only packets matching a known hers will be rejected.
S	PI firewall	Enable O Disable

SPI firewall	Enable or disable the Stateful Packet
	Inspection (SPI) firewall.

# III-3-6-1. URL Blocking

This function can block Internet access by either specific URLs or keywords. Check/uncheck the "Enable URL Blocking" box to enable/disable URL blocking.

URL Blocking	1	
🗹 Enable URI	LBlocking	
	URL / Keyword : Add	
NO.	URL / Keyword	Select
1	www.blockedwebsite.com	
	Delete Sel	ected Delete All
	Save Settings	
Se	ttings have been saved. Please <u>click here to restart</u> the router and bring the new settings i	nto effect.

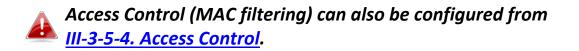
URL/Keyword	Enter the URL or keyword to be blocked.
Add	Add the URL or keyword to the blocked table.

Blocked URLs/keywords entries will be listed in the table as shown below. Select an entry using the "Select" checkbox.

NO.	URL / Keyword	Select
1	www.blockedwebsite.com	
	Delete Sel	ected Delete All
	Save Settings	
Se	ttings have been saved. Please <u>click here to restart</u> the router and bring the new settings in	nto effect.

Delete Selected /	Delete selected or all entries from the table.
Delete All	

# III-3-6-2. Access Control



Access Control is a security feature that can help to prevent unauthorized users from connecting to your wireless router.

This function allows you to define a list of network devices permitted or denied to connect to the BR-6208AC V2. Devices are each identified by their unique MAC address or IP address. Specific services can also be allowed/denied for IP addresses.

Check/uncheck the "Enable MAC Filtering" and/or "Enable IP Filtering" box to enable/disable MAC filtering and/or IP filtering.

Acc	ess Control					
1	Enable MAC Filter	ring : 🔘 Deny 🔘 Al	llow			
	Client PC MA	C Address	Computer Name	Comment		
			Select			
					Ad	d
	Filtering Table :					_
N		puter Name		Comment	Selec	:t
1	MACE	300K-4729BA	00:1b:63:cb:4c:b5			
			Dele	te Selected	Delete	All
V	Enable IP Filterin	g Table : 🔘 Deny (	Allow			
IP Fi	Itering Table :					
NO	Client PC Description	Client PC IP Address	Client Service	Protocol	Port Range Se	elect
1	Laptop	192.168.2.101	WWW, E-mail Sending, News Forums, E-mail Receiving Secure HTTP, File Transfer	•		
			Add PC Dele	te Selected	Delete	All
			Save Settings			
	Settings h	ave been saved. Ple	ase <u>click here to restart</u> the router and bring the new sett	ings into effe	ect.	

# MAC Filtering:

Enable MAC Filtering	Check the box to enable MAC filtering and select whether to "Deny" or "Allow" access for specified MAC address.
Client PC MAC Address	Enter a MAC address of computer or network device manually without dashes or colons e.g. for MAC address 'aa-bb-cc-dd-ee-ff' enter 'aabbccddeeff'.
Computer Name	Select a computer name from the drop-down list and click "<<" to add its MAC address into the "Client PC Mac Address" field. Click "Refresh' in the drop-down menu to refresh the list of available MAC addresses. If the address you wish to add is not listed, enter it manually.
Comment	Enter a comment for reference/identification consisting of up to 16 alphanumerical characters.
Add	Click "Add" to add the MAC address to the MAC address filtering table.

MAC address entries will be listed in the table as shown below. Select an entry using the "Select" checkbox.

MAC Fi	Itering Table :				
NO	Computer Name		Client PC MAC Address	Comment	Select
1	MACBOOK-4729BA		00:1b:63:cb:4c:b5		
				Delete Selected	Delete All
	te Selected / te All	Del	ete selected or all entries	s from the t	able.

# IP Filtering:

Enable IP Filtering	Check the box to enable IP filtering and select whether to "Deny" or "Allow" access for specified IP address.
Add PC	Opens a new window to add a new IP to the list, to deny or allow access/services according to above.

# Access Control Add PC

This page allows users to define service limitations of client PCs, including IP address and service type.

#### Access Control Add PC :

Client PC Description	Laptop	
Client PC IP address	192.168.2.101	-

#### Client PC Service :

Service Name	Detail Description	Select
www	HTTP, TCP Port 80, 3128, 8000, 8080, 8081	
E-mail Sending	SMTP, TCP Port 25	
News Forums	NNTP, TCP Port 119	
E-mail Receiving	POP3, TCP Port 110	
Secure HTTP	HTTPS, TCP Port 443	
File Transfer	FTP, TCP Port 21, 20	
MSN Messenger	TCP Port 1863	
Telnet Service	TCP Port 23	
AIM	AOL Instant Messenger, TCP Port 5190	
NetMeeting	H.323, TCP Port 389,522,1503,1720,1731	
DNS	UDP Port 53	
SNMP	UDP Port 161, 162	
VPN-PPTP	TCP Port 1723	
VPN-L2TP	UDP Port 1701	
ТСР	All TCP Port	
UDP	All UDP Port	

User Define Service	2
---------------------	---

Protocol	Both 💌
Port Range	
	Add

Client PC	Enter a description for reference/identification
Description	of up to 16 alphanumeric characters.
<b>Client PC IP address</b>	Enter a starting IP address in the left field and
	the end IP address in the right field to define a
	range of IP addresses; or enter an IP address in
	the left field only to define a single IP address.
Service Name	Various services are listed here with a short
	description. Check/uncheck the box for each
	service you wish to select.
Protocol	Select protocol "TCP" or "UDP" or "Both" for a
	service not included in the "Client PC Service"
	list.
Port Range	Enter the port range for the service not
	included in the "Client PC Service" list.
	Enter a single port number e.g. 110, a range of
	port numbers e.g. 110-120, or multiple port
	numbers separated by a comma e.g.
	110,115,120.
Add	Click "Add" to add selected services or a user
	defined service to the IP filtering table.

IP filtering entries will be listed in the IP filtering table shown below.

<b>v</b>	Enable IP Filtering Table : O Deny O Allow						
IP Fi	ltering Table :						
NO	Client PC Description	Client PC IP Address	Client Service	Protocol	Port Range	Select	
1	Laptop	192.168.2.101	WWW, E-mail Sending, News Forums, E-mail Receiving, Secure HTTP, File Transfer				
			Add PC Delete	e Selected	Delet	te All	

Delete Selected/	Delete selected or all entries from the table.
Delete All	

# III-3-6-3. DMZ

A Demilitarized Zone (DMZ) is an isolated area in your local network where private IP addresses are mapped to specified Internet IP addresses, allowing unrestricted access to the private IP addresses but not to the wider local network.

You can define a virtual DMZ host here. This is useful for example, if a network client PC cannot run an application properly from behind an NAT firewall, since it opens the client up to unrestricted two-way access.

DMZ		
Enable DMZ		
Public	Client PC	Computer Name
Oynamic IP Session 1 •		
◎ Static IP		Select
		Add
Current DMZ Table :		
NO Computer Name	Public IP Address	Client PC IP Address Select
		Delete Selected Delete All
	Save Settings	

Enable DMZ	Check/uncheck the box to enable/disable the device's DMZ function.
Public	Select "Dynamic IP" or "Static IP" here.
	For "Dynamic IP" select an Internet connection session from dropdown menu.
	For "Static IP" enter the IP address that you want to map to a specific private IP address.
Client PC	Enter the private IP address that the internet IP address will be mapped to.
Computer Name	Select a computer name from the list and click "<<" to enter its IP address into the "Client PC" field (above).
Add	Click "Add" to add the client to the "Current DMZ Table".

DMZ entries will be displayed in the table shown below:

Current	Current DMZ Table :					
NO	Computer Name	Public IP Address	Client PC IP Address	Select		
			Delete Selected	Delete All		
Dele	ete Selected/	Delete selected or all entries from the table.				

#### III-3-6-4. DoS

**Delete All** 

Denial-of-Service (DoS) is a common form of malicious attack against a network. The router's firewall can protect against such attacks.

If you are not familiar with these functions, it is recommended you keep the default settings.

DoS	
Ping of Death 5 Ping of Death Packet(S) Per Second Burst 5	
Ping of Death 25 Ping of Death Packet(S) Per Second Burst 5	
Discard Ping From WAN	
V NMAP FIN / URG / PSH	
Xmas tree	
Another Xmas tree	
Port Scan 🛛 🕅 Null scan	
SYN / RST	
SYN / FIN	
SYN (only unreachable ports)	
Sync Flood 30 Packet(S) Per Second Burst 30	
Sync Ploba	
Save Settings	

Ping of Death	Specify the frequency of ping of death packets which will trigger the router's DoS protection function.			
<b>Discard Ping from</b>	Check this box and the router will not answer			
WAN	ping requests from the Internet.			
Port Scan	Intruders use "port scanners" to detect open			
	Internet IP address ports. Check each type of			
	port scan to prevent.			
Sync Flood	Specify the frequency of sync flood packets			
	which will trigger the DoS protection function.			

# III-3-7. QoS



Quality of Service (QoS) is a feature to manage Internet bandwidth efficiently. Some applications require more bandwidth than others to function properly, and QoS allows you to ensure that sufficient

bandwidth is available. Minimum or maximum bandwidth can be guaranteed for a specified application.

# QoS can improve the BR-6208AC V2's performance. QoS is recommended to optimize performance for online gaming.

#### III-3-7-1. QoS

Check/uncheck the box "Enable QoS" to enable/disable the QoS function. Click "Add" to open a new window and setup a QoS rule. The "Current QoS Table" displays all QoS rules.

QoS						
Enable QoS						
	Total Download B	andwidth	0	kbits		
	Total Upload B	andwidth	0	kbits		
Current QoS Table :						
Priority	Rule Name	Uploa	ad Bandwidtl	h	Download Bandwidth	Select
	Add Edit Delete S	elected	Delete All	- Move I	Up Move Down	
		Save S	Settings			

Total Download Bandwidth	Enter your total download bandwidth limit from your Internet service provider (ISP) in kbits.	
Total Upload	Enter your total upload bandwidth limit from	
Bandwidth	your Internet service provider (ISP) in kbits.	
Add	Opens a new window to add a new QoS rule	
	to the current QoS table.	



This page allows users to add/modify the QoS rule's settings.

Rule Name	
Bandwidth	Download  kbits Guarantee
Local IP Address	-
Local Port Range	
Remote IP Address	-
Remote Port Range	
Traffic Type	None 💌
Protocol	TCP 💌
	Save

Rule Name	Enter a name for the QoS rule for			
	reference/identification.			
Bandwidth	Set the bandwidth limits for the QoS rule:			
	Bandwidth : Download 🕶 Kbps guarantee 💌			
	(1) (2) (3)			
	1. Select "Download" or "Upload" for the QoS rule.			
	2. Enter the bandwidth limit.			
	<ol> <li>Select whether the bandwidth is a "Guarantee" (minimum) or "Max" (maximum).</li> </ol>			
Local IP Address	Enter the IP address range to which the QoS rule will be applied.			
	Enter a starting IP address in the left field			
	and the end IP address in the right field to			
	define a range of IP addresses; or enter an IP			
	address in the left field only to define a single IP address.			

Local Port Range	Enter the port range to activate the QoS rule.			
	Enter a single port number e.g. 110 or a			
	range of port numbers e.g. 110-120			
Remote IP Address	Enter the remote IP address range which will			
	activate the QoS rule.			
	Enter a starting IP address in the left field			
	and the end IP address in the right field to			
	define a range of IP addresses; or enter an IP			
	address in the left field only to define a single			
	IP address.			
Remote Port Range	Enter the remote port range to activate the			
	QoS rule.			
	Enter a single port number e.g. 110 or a			
	range of port numbers e.g. 110-120			
Traffic Type	Select traffic type as an alternative to			
	specifying a port range above.			
Protocol	Select a "TCP" or "UDP" protocol type.			
Save	Click 'add' button to add a new QoS rule			
	(detailed instructions will be given below).			

QoS rule entries will be listed in the "Current QoS Table" as shown below. Select a rule using the "Select" checkbox.



When using the "Edit" button only one rule can be selected each time.

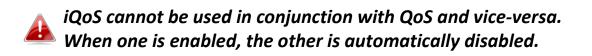
QoS rules will be processed in the order that they are listed i.e. the rule at the top of the list will be applied first, and then the second rule etc. The order can be adjusted using the "Move Up/Down" buttons.

Current QoS Ta	able :			
Priority	Rule Name	Upload Bandwidth	Download Bandwidth	Select
	Add Edit Delete	Selected Delete All Move	Up Move Down	

Edit	Edit a selected rule.
<b>Delete Selected/</b>	Delete selected or all entries from the
Delete All	table.
Move Up/Down	Move selected rule up or down the list.

# III-3-7-2. iQoS

iQoS is a more intuitive and automated tool to manage internet bandwidth than manually configuring the settings using QoS. For online gamers or users with bandwidth requirements for audio/video, iQoS is a useful function.



iQoS		
iQoS is a smart tool for bandwidth management. iQoS	cannot be	e used simultaneously with QoS.
Enable iQoS		
Total Download Bandwidth	0	kbits
Total Upload Bandwidth	0	kbits
Current iQoS Table :		
High		Low
1988 E		
<u>@</u>	١	
	Save S	ettings
Settings have been saved. Please <u>click he</u>	ere to resta	art the router and bring the new settings into effect.

Check/uncheck the box "Enable iQoS" to enable/disable the iQoS function, and then enter your bandwidth limits and arrange the network application icons in priority order in the "Current iQoS Table". Icons with higher priority will be assigned bandwidth more efficiently for better performance.

Total Download Bandwidth	Enter your total download bandwidth limit from your Internet service provider (ISP) in kbits.
Total Upload	Enter your total upload bandwidth limit from
Bandwidth	your Internet service provider (ISP) in kbits.

The icons represent the following categories:



Internet Browsing

P2P/BT Downloads

FTP



Online Gaming

The iQoS table is ordered left to right, high to low priority. Click a small icon below the table to insert it into the table, and click a large icon in the table to remove it. All spaces in the priority table must be filled.

# III-3-8. Advanced



Advanced features of the BR-6208AC V2 can be configured from the "Advanced" menu.

# III-3-8-1. Static Routing

Static routing is a method of configuring path selection of routers, characterized by the absence of communication between routers regarding the current topology of the network. The opposite of static routing is dynamic routing, sometimes also referred to as adaptive routing.

You can configure static routing and manually add routes to the routing table shown below.

Static Routing					
Enable Static Routing					
Destination LAN IP	Subnet Mask	Default Ga	teway	Hop Count	Interface
					LAN 💌
					Add
Current Static Routing Table :					
NO Destination LAN IP	Subnet Mask	Default Gateway	Hop Count	Interface	Select
			Dela	ete Selected	Delete All
	Sa	ve Settings			

<b>Enable Static Routing</b>	Check/uncheck the box to enable/disable
	static routing.
<b>Destination LAN IP</b>	Enter the destination network's IP address.
Subnet Mask	Enter the subnet mask of the destination
	network.
Default Gateway	Enter the default gateway of the destination
	network.
Hop Count	Enter the hop count (the distance between
	destination network and this broadband
	router) here.
Interface	Enter the interface which leads to
	destination network.
Add	Add the route to the current static routing
	table.

Static Routing Table entries will be displayed in the table shown below:

Current Static Routing Table :					
NO Destination LAN IP	Subnet Mask	Default Gateway	Hop Count	Interface	Select
			Delete	Selected D	elete All
Delete Selected/ Delete All	Delete se	elected or all er	ntries fron	n the tab	ole.

# III-3-8-2. Port Forwarding

This function allows you to redirect a single port or consecutive ports of an Internet IP address to the same port of a local IP address. The port number(s) of the Internet IP address and local IP address must be the same.

If the port number of the Internet IP address and local IP address is different, please use the "Virtual Server" function instead.

Port Forwarding						
Enable Port For	warding					
Private IP	Computer I	Name	Туре	Port Range		Comment
	Select-	💌	Both 💌			
						Add
Current Port Forward	ding Table :					
NO Com	puter Name	Private IP	Туре	Port Range	Comment	Select
					Delete Selecte	d 🔹 Delete All
		Si	ave Settings			

Private IP	Enter the IP address of the computer on the local network.
Computer Name	Windows computers on the local network will be listed here – select a computer from the list and click << to automatically add the IP address to the "Private IP" field.
Туре	Select the type of connection, "TCP", "UDP" or "Both".
Port Range	Input the starting port number in the left field, and input the ending port number in the right field. If you only want to redirect a single port number, only enter a port number in the left field.
Comment	Enter a comment for reference or identification.

Port Forwarding Table entries will be displayed in the table shown below:

Curren	Current Port Forwarding Table :									
NO	Computer Name	Private IP	Туре	Port Range	Comment	Select				
					Delete Selected	Delete All				
Del	<b>ete Selected</b> / Delete selected or all entries from the table.									

**Delete All** 

# III-3-8-3. Virtual Server

This function allows you to set up an internet service on a local computer, without exposing the local computer to the internet. You can also build various sets of port redirection, to provide various internet services on different local computers via a single internet IP address.

Virtual Server						
Enable Virtual Server						
Private IP	Computer Name	Private Port	Туре	Public Port	Com	nent
	Select		Both 👻			
						Add
Current Virtual Server Table :						
NO Computer Name	Private IP	Private Port	Type P	ublic Port	Comment	Select
				Delete	Selected	Delete All
		Save Settings				

Private IP	Specify the IP address of the computer on your local network.
Computer Name	Select the name of a Windows computer from the drop-down menu and click do auto-input its IP address in the "Private IP" field.
Private Port	Specify the private port you wish to use on the computer in your local network.
Туре	Select the type of Internet Protocol.
Public Port	Specify a public port to access the computer on your local network.
Comment	Enter a comment for reference or identification.

Current Virtual Table entries will be displayed in the table shown below:

Current	Virtual Server Table :						
NO	Computer Name	Private IP	Private Port	Туре	Public Port	Comment	Select
					Dele	te Selected	Delete All

Delete Selected/	Delete selected or all entries from the table.
Delete All	

# III-3-8-4. 2.4GHz Wireless

These settings are for experienced users only. Please do not change any of the values on this page unless you are already familiar with these functions.

2.4GHz Wireless	
Wireless Module	Enable
Fragment Threshold	2346 (256-2346)
RTS Threshold	2347 (0-2347)
Beacon Interval	100 (20-1024 ms)
DTIM Period	3 (1-10)
Data Rate	Auto 💌
N Data Rate	Auto
Channel Width	Auto 20/40 MHZ      20 MHZ     20 MH
Preamble Type	Short Preamble Cong Preamble
CTS Protect	🔘 Auto 🔘 Always 🔘 None
Tx Power	100 % 💌
WMM	Auto
	Save Settings

Fragment Threshold	Set the Fragment threshold of the wireless radio. The default value is 2346.
RTS Threshold	Set the RTS threshold of the wireless radio. The default value is 2347.
Beacon Interval	Set the beacon interval of the wireless radio. The default value is 100.
DTIM Period	Set the DTIM period of wireless radio. The default value is 3.
Data Rate	Set the wireless data transfer rate. The default is set to Auto.
N Data Rate	Set the data rate of 802.11n. The default is set to Auto.

Channel Width	Select wireless channel width (bandwidth
	used by wireless signals from the device) –
	the recommended value is Auto 20/40MHz.
Preamble Type	Set the wireless radio preamble type. The
	default value is "Short Preamble".
CTS Protect	Enabling this setting will reduce the chance
	of radio signal collisions between 802.11b
	and 802.11g wireless access points. It's
	recommended to set this option to "Auto".
Tx Power	Set the power output of the wireless radio.
	You may not require 100% output power.
	Setting a lower power output can enhance
	security since potentially malicious/unknown
	users in distant areas will not be able to
	access your signal.
WMM	WMM (Wi-Fi Multimedia) technology can
	improve the performance of certain network
	applications, such as audio/video streaming,
	network telephony (VoIP) and others. When
	WMM is enabled, the device will prioritize
	different kinds of data and give higher
	priority to applications which require instant
	responses for better performance.

# II-3-8-5. 5GHz Wireless

These settings are for experienced users only. Please do not change any of the values on this page unless you are already familiar with these functions.

5GHz Wireless	
Wireless Module	Enable
Fragment Threshold	2346 (256-2346)
RTS Threshold	2347 (0-2347)
Beacon Interval	100 (20-1024 ms)
DTIM Period	3 (1-10)
Data Rate	Auto 💌
N Data Rate	Auto
Channel Width	
Preamble Type	Short Preamble Cong Preamble
CTS Protect	🔘 Auto 🔘 Always 🔘 None
Tx Power	100 % 💌
WMM	Auto
	Save Settings
	sure settings

Fragment Threshold	Sat the Fragment threshold of the wireless
Fragment mesholu	Set the Fragment threshold of the wireless
	radio. The default value is 2346.
RTS Threshold	Set the RTS threshold of the wireless radio.
	The default value is 2347.
Beacon Interval	Set the beacon interval of the wireless radio.
	The default value is 100.
DTIM Period	Set the DTIM period of wireless radio. The
	default value is 3.
Data Rate	Set the wireless data transfer rate. The
	default is set to Auto.
N Data Rate	Set the data rate of 802.11n. The default is
	set to Auto.
Channel Width	Select wireless channel width (bandwidth
	used by wireless signals from the device) –
	the recommended value is 20/40/80MHz.
Preamble Type	Set the wireless radio preamble type. The
	default value is "Short Preamble".

setting will reduce the chance
al collisions between 802.11b
wireless access points. It's
ed to set this option to "Auto".
r output of the wireless radio.
require 100% output power.
er power output can enhance
e potentially malicious/unknown
nt areas will not be able to
ignal.
Multimedia) technology can
performance of certain network
such as audio/video streaming,
phony (VoIP) and others. When
bled, the device will prioritize
ls of data and give higher
plications which require instant
better performance.

# III-3-8-6. IGMP

IGMP is a communications protocol used to establish multicast group memberships. It allows for a more efficient use of resources and better performance for applications such as IPTV video streaming.

IGMP	
IGMP Snooping	Enable      Disable
IGMP Proxy	Enable O Disable
	Save Settings

IGMP Snooping	IGMP snooping monitors traffic between hosts and multicast routers to facilitate bandwidth conservation. Select enable or disable.
IGMP Proxy	IGMP proxy enables intelligent multicast forwarding based on IGMP snooping information. Select enable or disable.

It is recommended to set "IGMP Snooping" and "IGMP Proxy" to "Enable".

#### III-3-8-7. UPnP

Universal plug-and-play (UPnP) is a set of networking protocols which enables network devices to communicate and automatically establish working configurations with each other. Select "Enable" or "Disable".

UPnP	
UPnP Fe	eature 🔘 Enable 🖲 Disable
	Save Settings

# **III-3-9.** Administration

<ul> <li>Administration</li> </ul>	
Time Zone	
Password	
Remote Access	
Backup / Restore	
Upgrade	
Restart	
Logs	
Active DHCP Client	
Statistics	

Various administrative functions can be accessed from the "Administration" menu.

# III-3-9-1. Time Zone

Time Zone	
Set Time Zone	(GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London 💌
Time Server Address	pool.ntp.org
Daylight Savings	Image: Second state state     Image: Second state       January     Image: Second state       January     Image: Second state
Save Settings	

Set Time Zone	Select the time zone of your country or	
	region.	
Time Server Address	The travel router supports NTP (Network	
	Time Protocol) for automatic time and date	
	setup. Input the host name of the IP server	
	manually.	
Daylight Saving	If your country/region uses daylight saving	
	time, please check the "Enable Function"	
	box, and select the start and end date.	

#### III-3-9-2. Password

You can change the password used to login to the browser-based configuration interface here. It is advised to do so for security purposes.



Please make a note of the new password. In the event that you forget the password and are unable to login to the browser based configuration interface, see <u>II-7. Reset to factory default</u> <u>settings</u> for how to reset the device.

Password		
Current Password		
New Password		
Confirmed Password		
Apply		

Current Password	Enter your current password.
New Password	Enter your new password.
<b>Confirmed Password</b>	Confirm your new password.

### III-3-9-3. Remote Access

Check "Enabled" to enable the remote access feature and then enter the appropriate values.

Remote Access	
Host IP Address	0.0.0.0
Port	8080
Enabled	
Sav	e Settings

Host IP Address	Specify the IP address which is allowed remote access.
Port	Specify a port number (0–65535) used for remote access.

### III-3-9-4. Backup/Restore

Backup / Restore	
Backup Settings Restore Settings Restore to Factory Default	Save Browse Upload Reset

Backup Settings	Click "Save" to save the current settings on your
	computer as config.bin file.
Restore Settings	Click "Browse" to find a previously saved
	config.bin file and then click "Upload" to replace
	your current settings.
Restore to	Click "Reset" to restore settings to the factory
Factory Default	default. A pop-up window will appear and ask
	you to confirm and enter your log in details.
	Enter your username and password and click
	"Ok". See below for more information.

#### III-3-9-5. Upgrade

The upgrade page allows you to upgrade the system firmware to a more recent version. You can download the latest firmware from the Edimax website. After the upgrade, the system will restart.



Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. It is recommended that you use a wired Ethernet connection for a firmware upgrade.

Upgrade	
	Browse
	Арріу

#### III-3-9-6. Restart

In the event that the router malfunctions or is not responding, then it is recommended that you restart the device.



#### III-3-9-7. Logs

You can view the system log and security log here. Use the drop down menu in the top-right corner to select which log to view.

Log								
0								
		og.info syslogo					-1 0	<u>~</u>
		er.debug sysloj er.debug sysloj	-				-	
		er.debug syslo	-					
		er.notice syslo	-	- · ·	-			
Mar 13 07:34	1:44 (none) use	er.notice syslo	g: Note: adding	g VIF, idx=1	FI flags=0x(	) IP=192.1	68.10.14	
						_		Ŧ
•		I					•	
		0	<b>C1</b>		freed			
		Save	Clear	Ke	efresh			
							(	Security
y Log							C	Security
y Log							<	Security
[1970-01-01	. 00:00:22]: sta						•	Securit
[1970-01-01 [1970-01-01	. 00:00:24]: [SN	ITP]: connect to		9.124.196.84	4		•	Security
[1970-01-01 [1970-01-01 [2014-03-13	00:00:24]: [SN 07:34:33]: [SN	ITP]: connect to ITP]: connect su	uccess!		4			Security
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 3 07:34:33]: [SN 3 07:34:33]: [SN	NTP]: connect to NTP]: connect su NTP]: set time to	uccess! o 2014-03-13 0	7:34:33	4			Security
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 3 07:34:33]: [SN 3 07:34:33]: [SN 3 07:34:33]: [SN 3 07:34:34]: [Fii	ITP]: connect to ITP]: connect su	uccess! 2014-03-13 0 IP is 192.168.1	7:34:33	4			Securit
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 07:34:33]: [SN 07:34:33]: [SN 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin	ITP]: connect to ITP]: connect su ITP]: set time to rewall]: WAN1	uccess! 2014-03-13 0 IP is 192.168.1 IP is 0.0.0.0	7:34:33	4			Securit
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 07:34:33]: [SN 07:34:33]: [SN 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin	ITP]: connect to ITP]: connect su ITP]: set time to rewall]: WAN1 rewall]: WAN2	uccess! 2014-03-13 0 IP is 192.168.1 IP is 0.0.0.0 IP is 0.0.0.0	7:34:33	4			Securit
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 07:34:33]: [SN 07:34:33]: [SN 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin	ITP]: connect to ITP]: connect so ITP]: set time to rewall]: WAN1 rewall]: WAN2 rewall]: WAN3	uccess! 2014-03-13 0 IP is 192.168.1 IP is 0.0.0 IP is 0.0.0 firewall	7:34:33 LO.143			Ē	Securit
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 07:34:33]: [SN 07:34:33]: [SN 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin	NTP]: connect to NTP]: connect so NTP]: set time to rewall]: WAN1 rewall]: WAN2 rewall]: WAN3 rewall]: setting	uccess! 2014-03-13 0 IP is 192.168.1 IP is 0.0.0 IP is 0.0.0 firewall	7:34:33 LO.143				Securit
[1970-01-01 [1970-01-01 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13 [2014-03-13	. 00:00:24]: [SN 07:34:33]: [SN 07:34:33]: [SN 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin 07:34:34]: [Fin	NTP]: connect to NTP]: connect so NTP]: set time to rewall]: WAN1 rewall]: WAN2 rewall]: WAN3 rewall]: setting	uccess! 2014-03-13 0 IP is 192.168.1 IP is 0.0.0 IP is 0.0.0 firewall	7:34:33 LO.143				Securit

Save	Click "Save" to save the log on your computer as .txt file.
Clear	Click "Clear" to clear/erase the existing log.
Refresh	Click "Refresh" to refresh the log and update any activity.

#### III-3-9-8. Active DHCP Client

Information about active DHCP clients is shown in the table, which displays the DHCP server assigned IP address, MAC address and time expired for each computer or device on the local network.

Active DHCP Client		
IP Address	MAC Address	Time Expired (Sec)
192.168.2.101	00:1b:63:cb:4c:b5	forever
	Refresh	

#### III-3-9-9. Statistics

Displays sent and received packet network statistics.

Statistics		
	Sent Packets	1745
2.4GHz Wireless	Received Packets	30311
rous wisslass	Sent Packets	517
5GHz Wireless	Received Packets	56878
<b>Fil</b>	Sent Packets	1494
Ethernet LAN	Received Packets	1868
	Sent Packets	1624
Ethernet WAN	Received Packets	5075
	Refresh	

# IV. Appendix

#### **Configuring your IP address** IV-1.

For first time access to the URL http://edimax.setup please ensure your computer is set to use a dynamic IP address. This means your computer can obtain an IP address automatically from a DHCP server. You can check if your computer is set to use a dynamic IP address by following IV-1-1. How to check that your computer uses a dynamic IP address.

Static IP users can also temporarily modify your computer's IP address to be in the same IP address subnet e.g. 192.168.2.x (x = 3 - 254) as the BR-6208AC V2 in order to access *http://edimax.setup*.



🗛 The BR-6208AC V2's default IP address is 192.168.2.1.

The procedure for modifying your IP address varies across different operating systems; please follow the guide appropriate for your operating system in IV-1-2. How to modify the IP address of your computer.

#### Static IP users please make a note of your static IP before you change it.

You can assign a new IP address to the device which is within the subnet of your network during setup or using the browser based configuration interface (refer to III-3-4. LAN). Then you can access the URL http://edimax.setup in future without modifying your IP address.



Please remember to change your IP address back to its original value after the device is properly configured.

#### IV-1-1. How to check that your computer uses a dynamic IP address

Please follow the instructions appropriate for your operating system.

#### IV-1-1-1. Windows XP

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Double-click the "Network and Internet Connections" icon, click "Network Connections", and then double-click "Local Area Connection". The "Local Area Connection Status" window will then appear, click "Properties".

🔟 Local Area Connection Properties 🛛 🔹 💽
General Authentication Advanced
Connect using:
AMD PCNET Family PCI Ethernet Ad
This connection uses the following items:
<ul> <li>Client for Microsoft Networks</li> <li>File and Printer Sharing for Microsoft Networks</li> <li>Guos Packet Schedule.</li> </ul>
✓ Tinternet Protocol (TCP/IP)
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default
wide area network protocol that provides communication across diverse interconnected networks.

**2.** "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

Internet Protocol (TCP/IP) Properties	? 🔀
General Alternate Configuration	
You can get IP settings assigned automatically if your netw this capability. Otherwise, you need to ask your network ac the appropriate IP settings.	
Obtain an IP address automatically	
Use the following in address:	
IP address:	
Sybnet mask:	
Default gateway:	
⊙ 0 <u>b</u> tain DNS server address automatically	
OUse the rollowing Divis server addresses:	
Preferred DNS server:	
Alternate DNS server:	
C	Ad <u>v</u> anced
ОК	Cancel

#### IV-1-1-2. Windows Vista

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Click "View Network Status and Tasks", then click "Manage Network Connections". Right-click "Local Area Network", then select "Properties". The "Local Area Connection Properties" window will then appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

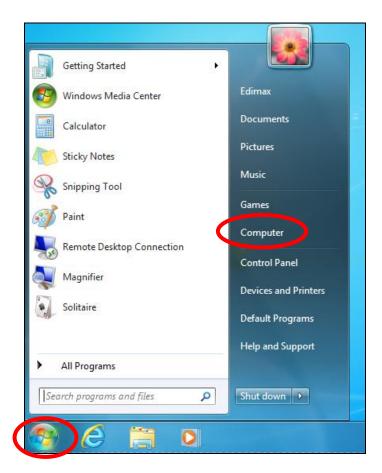
Intel(R) PRO/1000 MT Net	work Connection
	Configure
his connection uses the following	g items:
Link-Laver Topology Disc	covery Mapport & Driver
Link-Layer Topology Disc     Install     Unin     Description	

**2.** Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

neral Alternate Configuration					
ou can get IP settings assigned a nis capability. Otherwise, you nee					
or the appropriate IP settings.					
Obtain an IP address automa	atically				
O Use the following IP address					
IP address:		•	12		
Sybnet mask:		e	1		
Default gateway:		e.,	- (¢)		
C al l'and					
Obtain DNS server address a     Use the following Divs server	STR80900000021010				
Preferred DNS server:		<u>.</u>	1.1	72	_
Alternate DNS server:					-
	1				
				Adv	anced

#### IV-1-1-3. Windows 7

**1.** Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".

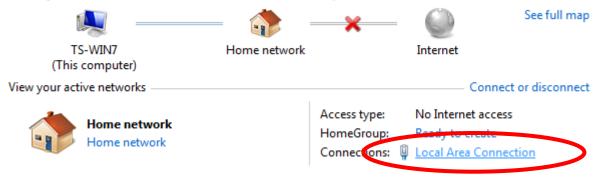


**2.** Under "Network and Internet" click "View network status and tasks".



**3.** Click "Local Area Connection".

#### View your basic network information and set up connections



# **4.** Click "Properties".

Local Area Connectio	on Status		x
General	up		
Connection			
IPv4 Connectivity:		No Internet acce	ss
IPv6 Connectivity:		No network acce	ss
Media State:		Enable	ed
Duration:		02:08:	52
Speed:		100.0 Mb	ps
Details			
Activity			
:	Sent —	Receive	d
Bytes:	951,332	4,398,1	84
Properties 🤅	Dsable	Diagnose	
		Cle	ose

**5.** Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

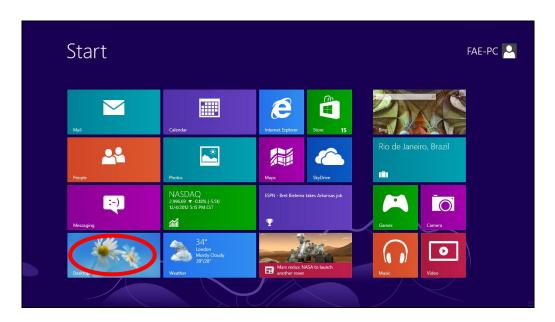
Local Area Connection Properties	x	
Networking		
Connect using:		
Broadcom 440x 10/100 Integrated Controller		
Configure This connection uses the following items:		
Client for Microsoft Networks  Client for Microsoft Networks  Client for Microsoft Networks  Client Printer Sharing for Microsoft Networks  Anternet Protocol Version 4 (TCP/IPv4)  Anternet Protocol Version		
Install Uninstall Properties		
Description TCP/IP version 6. The latest version of the internet protocol that provides communication across diverse interconnected networks.		
ОК Са	ncel	

**6.** Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

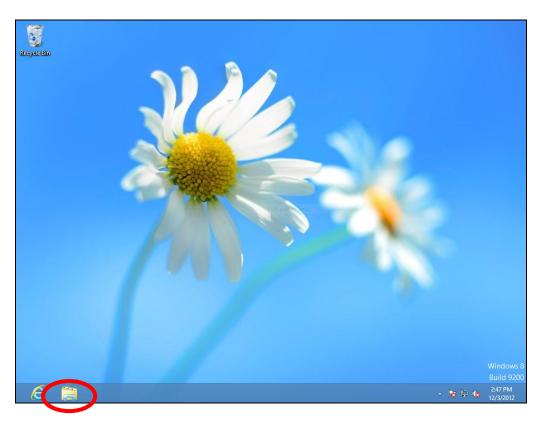
Internet Protocol Version 4 (TCP/IPv4)	Properties ? X		
General			
	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.		
Obtain an IP address automatical	ly		
IP address:	192.168.2.10		
Subnet mask:	255 . 255 . 255 . 0		
Default gateway:			
	Obtain DNS server address automatically OUSE the following DNS server addresses:		
Preferred DNS server:			
Alternate DNS server:			
Validate settings upon exit	Advanced		
	OK Cancel		

#### IV-1-1-4. Windows 8

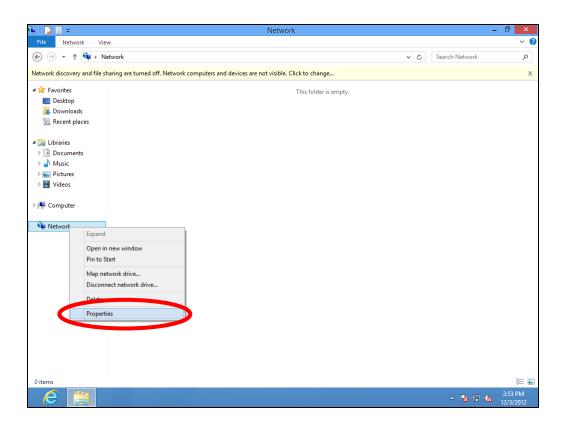
**1.** From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.



**2.** In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



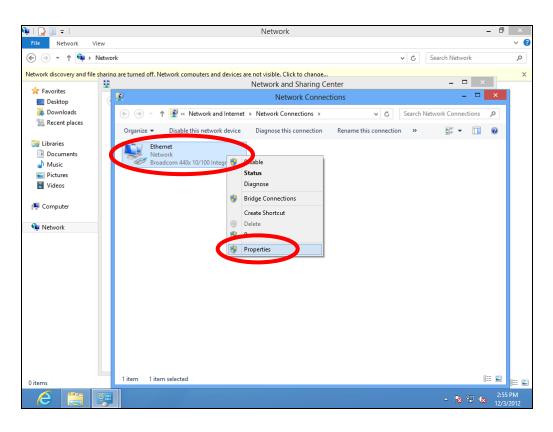
**3.** Right click "Network" and then select "Properties".



**4.** In the window that opens, select "Change adapter settings" from the left side.

🖬   ⊋ 🚹 🖛	Library Tools Picture Too	Is	Pictures – Ē	) ×
File Home Share	View Manage Manage			~ <b>?</b>
(€) → ↑ 🖬 → Li	ibraries + Pictures +		✓ ♂ Search Pictures	Q
🔆 Favorites Desktop	2	Network and Sharing Cent	er – 🗆 🗙	
🐌 Downloads	(<) → ↑ 👯 « Network an	d Internet 🔸 Network and Sharing Center	✓ ♂ Search Control Panel	
💹 Recent places		View your basic network information	n and set up connections	
🥽 Libraries	Control Panel Home	·	n and set up connections	
Documents	Change adapter settings	View your active networks		
J Music	Considering and strong	Network	Access type: Internet	
Pictures	settings	Public network	Connections: 📮 Ethernet	
😸 Videos				
		Change your networking settings		
া툎 Computer		Set up a new connection or network		
👊 Network		Set up a broadband, dial-up, or VPN	connection; or set up a router or access point.	
^ 		Troubleshoot problems		
			ns, or get troubleshooting information.	
	See also			
	HomeGroup			
	Internet Options			
	Windows Firewall			
1 item 1 item selected	Library includes: 2 locations			::: 🖿
	2 <b>3</b>			54 PM /3/2012

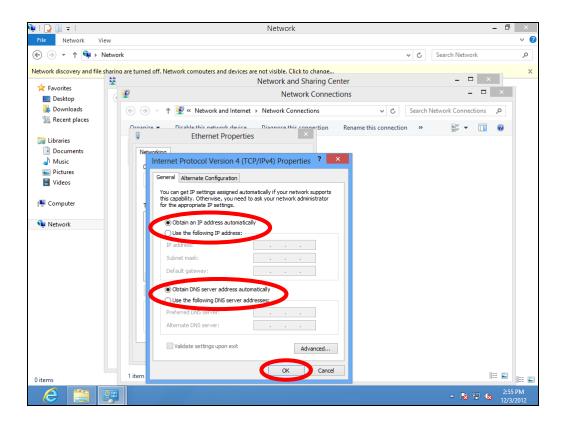
**5.** Choose your connection and right click, then select "Properties".



**6.** Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

📭   🕞 🔝 🖛	Network – 🗇	×
File Network View		~ <b>?</b>
	✓ C Search Network	,c
	are turned off. Network computers and devices are not visible. Click to change Network and Sharing Center – – ×	x
🖈 Favorites	Network Connections – 🗆 🗙	
Desktop	(e) → ↑ ¥ « Network and Internet → Network Connections ∨ C Search Network Connections	
Recent places		
Libraries Documents Music Pictures Videos Computer Network	Disable this categories device       Disable this connection       Rename this connection       > <td></td>	
0 items	1 item 1 item selected	=
e 📑 📴	- 🕅 🔁 🦛 255 12/3	PM

**7.** Select "Obtain an IP address automatically" and "Obtain DNS server address automatically" should be selected.

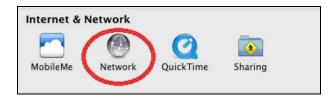


#### IV-1-1-5. Mac OS

**1.** Have your Macintosh computer operate as usual, and click on "System Preferences".



**2.** In System Preferences, click on "Network".



**3.** Click on "Wi-Fi" in the left panel and then click "Advanced" in the lower right corner.

0 0	Network	
Show All		Q
Locati	on: Automatic	\$
Wi-Fi Connected     Connected     Connected     Connected		ted Turn Wi-Fi Off onnected to OBM-AirPort-2.4G and address 192.168.77.119.
<ul> <li>AX881thernet Not Connected</li> <li>802.11 n WLAN Not Connected</li> <li>FireWire Not Connected</li> <li>Bluetooth PAN Not Connected</li> </ul>	✓ Ask to Known If no kn	irPort-2.4G b join new networks networks will be joined automatically. own networks are available, you will d before joining a new network.
+ - * -	Show Wi-Fi status in menu ther changes. Assist	bar Advanced ?? t me Revert Apply

**4.** Select "TCP/IP" from the top menu and "Using DHCP" in the drop down menu labeled "Configure IPv4" should be selected.

	Network	
Show All		Q
Wi-Fi		
	TCP/IP PNS WINS 802.1X	Proxies Hardware
Configure v4	Using DHCP	Turn Wi-fe Off
IPv4 Address	Using Brier with manual address Using BootP	Renew DHCP Lease
Subnet Mask	Manually	ID:
Router	Off	( If required )
Configure IPv6:	Automatically	*
Router:		
IPv6 Address: Prefix Length:		
Frenx Length.		
		Cancel

## IV-1-2. How to modify the IP address of your computer

Please follow the instructions appropriate for your operating system. In the following examples we use the IP address **192.168.2.10** though you can use any IP address in the range **192.168.2.x** (x = 3 - 254) in order to access iQ Setup/browser based configuration interface.



#### IV-1-2-1. Windows XP

**1.** Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Double-click the "Network and Internet Connections" icon, click "Network Connections", and then double-click "Local Area Connection". The "Local Area Connection Status" window will then appear, click "Properties".

🕹 Local Area Connection Properties 🛛 🔹 💽		
General Authentication Advanced		
Connect using:		
AMD PCNET Family PCI Ethernet Ad		
This connection uses the following items:		
<ul> <li>Elient for Microsoft Networks</li> <li>File and Printer Sharing for Microsoft Networks</li> </ul>		
Internet Protocol (TCP/IP)		
Install Uninstall Properties		
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.		
Sho <u>w</u> icon in notification area when connected ✓ Notify <u>me</u> when this connection has limited or no connectivity		
OK Cancel		

**2.** Select "Use the following IP address" and "Use the following DNS server addresses", then input the following values:



Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

**IP address**: 192.168.2.10 Subnet Mask: 255.255.255.0 Preferred DNS Server: 192.168.2.1

Click 'OK' when finished.

#### IV-1-2-2. Windows Vista

1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel". Click "View Network Status and Tasks", then click "Manage Network Connections". Right-click "Local Area Network", then select "Properties". The "Local Area Connection Properties" window will then appear, select "Internet Protocol Version 4 (TCP / IPv4)", and then click "Properties".

	000 MT Network Cor	nection	
		Configu	ure
This connection uses			
Client for Mic			
	ter Sharing for Micros	oft Networks	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ocol Version o (TCF)		
🗹 📥 Internet Prot	agal Varian A (TCP/	D	
M - Bill I over T	opology Discovery	apper I/O Driver	
M - Bill I over T		apper I/O Driver	
M - Bill I over T	opology Discovery	apper I/O Driver	
<ul> <li>Ends Laver T</li> <li>Link-Layer T</li> </ul>	opology Discovery M opology Discovery R	apper I/O Driver esponder	
✓ Sold Layer T ✓ Link-Layer T Install Description Transmission Contr	opology Discovery M opology Discovery R	epper I/O Driver esponder Propert rotocol. The defa	ies ault

**2.** Select "Use the following IP address" and "Use the following DNS server addresses", then input the following values:

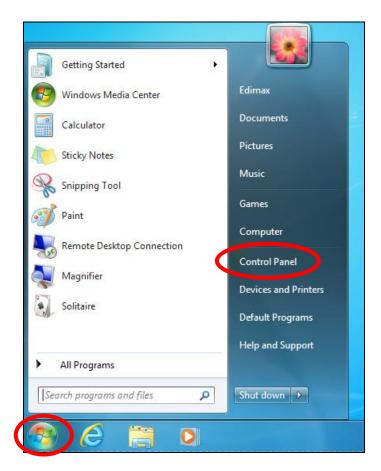
Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

IP address: 192.168.2.10 Subnet Mask: 255.255.255.0 Preferred DNS Server: 192.168.2.1

Click 'OK' when finished.

#### IV-1-2-3. Windows 7

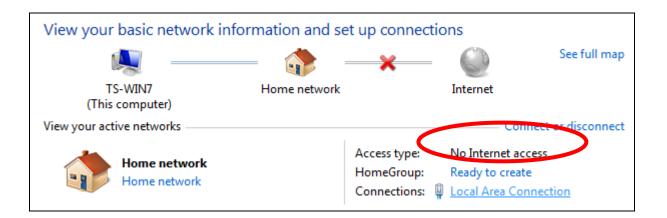
**1.** Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".



**2.** Under "Network and Internet" click "View network status and tasks".



**3.**Click "Local Area Connection".



# **4.** Click "Properties".

Local Area Connection Status	×
General	
Connection	
IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	02:08:52
Speed:	100.0 Mbps
Details	
Activity	
Sent —	Received
Bytes: 951,332	4,398,184
Properties Pisable	Diagnose
	Close

**5.**Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".

Local Area Connection Properties	23	
Networking		
Connect using:		
Broadcom 440x 10/100 Integrated Controller		
Configure		
This connection uses the following items:		
Client for Microsoft Networks  Client for Microsoft Networks  Client for Microsoft Networks  Client Printer Sharing for Microsoft Networks  A Internet Protocol Version & (TCP/IPv6)  A Internet Protocol Version 4 (TCP/IPv4)  A Internet Prot		
Install Uninstall Properties		
Description TCP/IP version 6. The latest version of the internet protocol that provides communication across diverse interconnected networks.		
ОК Са	ncel	

**6.** Select "Use the following IP address" and "Use the following DNS server addresses", then input the following values:

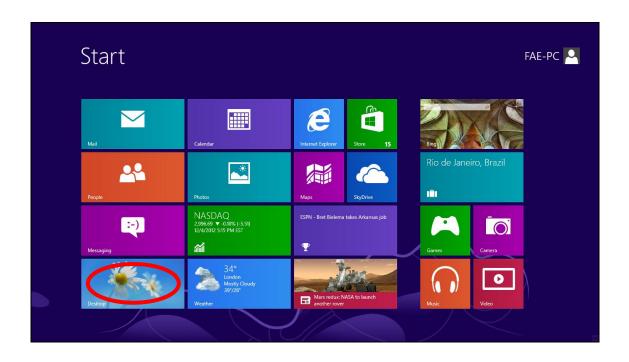
Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

IP address: 192.168.2.10 Subnet Mask: 255.255.255.0 Preferred DNS Server: 192.168.2.1

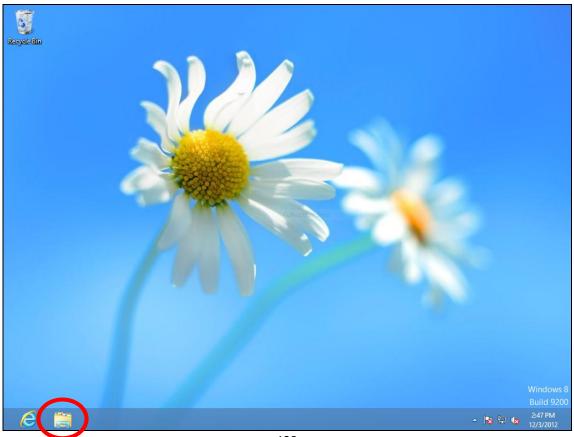
Click 'OK' when finished.

#### IV-1-2-4. Windows 8

**1.** From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.



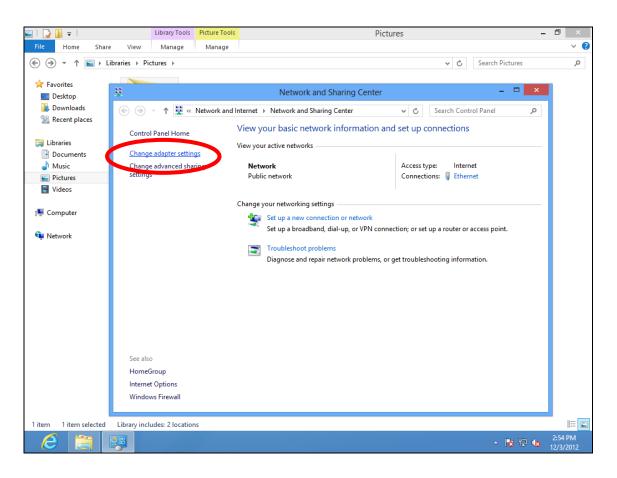
**2.** In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



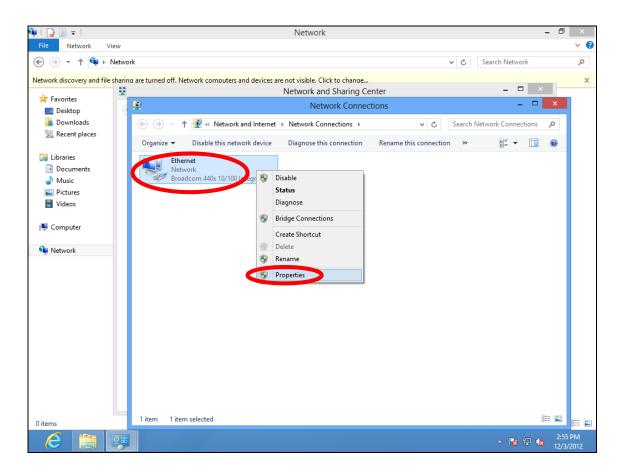
**3.** Right click "Network" and then select "Properties".

🖣 l 🍃 📗 = l	Network	- 🗇 🗙
File Network View		v 😲
🛞 ∋ 🝷 ↑ 🗣 ► Network	マ C Search Network	م
Network discovery and file sharing	are turned off. Network computers and devices are not visible. Click to change	x
Network discovery and file sharing:	indow Irive	x
0 items		III 🔳
6	- 版 復(	2:53 PM 12/3/2012

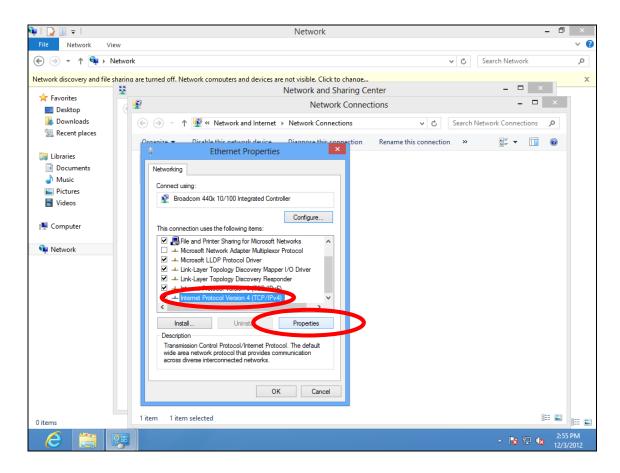
**4.** In the window that opens, select "Change adapter settings" from the left side.



**5.** Choose your connection and right click, then select "Properties".



6. Select "Internet Protocol Version 4 (TCP/IPv4) and then click "Properties".



**7.** Select "Use the following IP address" and "Use the following DNS server addresses", then input the following values:

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

IP address: 192.168.2.10 Subnet Mask: 255.255.255.0 Preferred DNS Server: 192.168.2.1

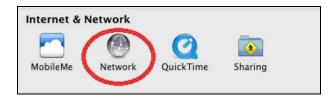
Click 'OK' when finished.

#### IV-1-2-5. Mac

**1.** Have your Macintosh computer operate as usual, and click on "System Preferences"



**2.** In System Preferences, click on "Network".



**3.** Click on "Wi-Fi" in the left panel and then click "Advanced" in the lower right corner.

⊜ ⊖ ⊝	Network	
Show All		Q
	Location: Automatic	\$
• Wi-Fi Connected	Status:	Connected Turn Wi-Fi Off
⊖ Ethernet Not Connected	\$~~>	Wi-Fi is connected to OBM-AirPort-2.4G and has the IP address 192.168.77.119.
AX881thernet Not Connected	Network Name:	OBM-AirPort-2.4G ‡
802.11 n WLAN Not Connected	<b>~~~</b>	Sk to join new networks Known networks will be joined automatically. If no known networks are available, you will
FireWire Not Connected	***	be asked before joining a new network.
Bluetooth PAN Not Connected	8	
+ - * •	Show Wi-Fi status	in menu bar Advanced
Click the lock to	prevent further changes.	Assist me Revert Apply

**4.** Select "TCP/IP" from the top menu and select "Manually" from the drop down menu labeled "Configure IPv4", then click "OK".

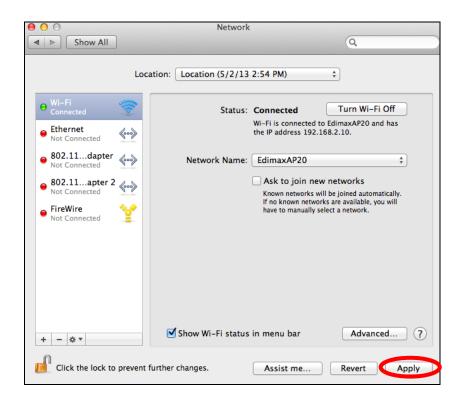
00	Network	
t ⊨ Show All		Q
🤝 Wi-Fi		
Wi-Fi	Using DHCP Using DHCP with manual address Using BootP	oxies Hardware
Configure / v4 v		and to the Andrew 2 at and
IPv4 Address	Off	
Subnet Mask:	255.255.255.0	1 Ton-2.40
Router:	192.168.77.1	
	Erenal and a second sec	And the set of the proved the set of the set
Configure IPv6:	Automatically	•
Router:		
IPv6 Address:		
Prefix Length:		
		Advenced 7
?		Cancel OK
Citch Die lock to preve	in Settiner charges. Acats	

Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

**5.** In the "IPv4 Address" and "Subnet Mask" field enter IP address 192.168.2.10 and subnet mask 255.255.255.0. Click on "OK".

Wi-Fi Wi-Fi	TCP/IP DNS WINS	802.1X Proxies	Hardware
WI-FI		SUZ.IX FICKIES	Hardware
Configure IPv4:	Manually	\$	
IPv4 Addres	192.168.2.10		
Subnet Mask:	255.255.255.0		
Router:	192.168.10.254		
Configure IPv6:	Automatically	÷	
Router:	Hatomatically	•	
IPv6 Address:			
Prefix Length:			
Frenx Length.			

# **6.** Click "Apply" to save the changes.

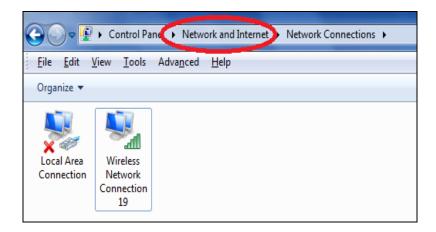


#### IV-1-3. How to Find Your Network Security Key

To find your network security key, please follow the instructions appropriate for your operating system.

If you are using Windows XP or earlier, please contact your ISP or router manufacturer to find your network security key.

- IV-1-3-1. Windows 7 & Vista
- Open "Control Panel" and click on "Network and Internet" in the top menu.



**2.** Click on "View network status and tasks" which is under the heading "Network and Sharing Center".



**3.** Click on "Manage wireless networks" in the left menu.



**4.** You should see the profile of your Wi-Fi network in the list. Right click on your Wi-Fi network and then click on "Properties".

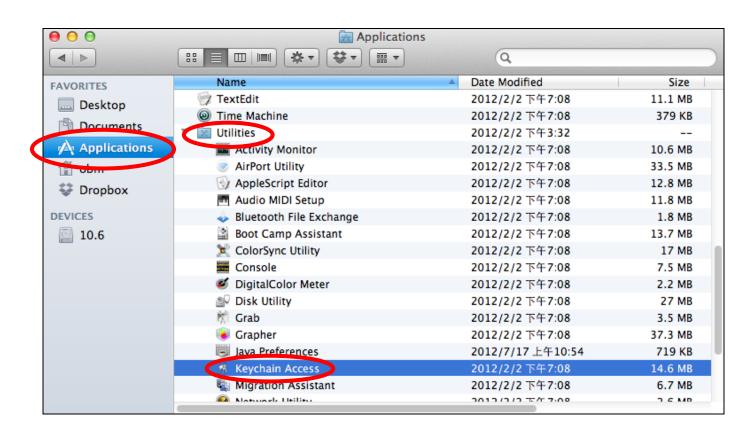
Add	Remove	Move down	Adapter properties	Profile types	
Networks you can view, modify, and reorder (2)					
HomeNetwork			Security: WPA2-P	ersonal	
		Propert	ies		
•		Remove	network		
	-	Rename		_	
		Move d	own		

5.Click on the "Security" tab, and then check the box labeled "Show characters". This will show your network security key. Click the "Cancel" button to close the window.

HomeNetwork Wireless	Network Properties
Connection Security	
Security type:	WPA2-Personal
Encryption type:	AES
Network security <u>k</u> ey	1234567890
(	Show characters

#### IV-1-3-2. Mac

**1.** Open a new Finder window, and select "Applications" from the menu on the left side. Open the folder labeled "Utilities" and then open the application "Keychain Access".



2. Select "Passwords" from the sub-menu labeled "Category" on the left side, as shown below. Then search the list in the main panel for the SSID of your network. In this example, the SSID is "EdimaxWireless" – though your SSID will be unique to your network.

00		Keychain Access		
Click to lock the	ogin keychain.		Q	
Keychains login System System Roots	EdimaxWireless Kind: AirPort netw Account: AirPort Where: com.apple Modified: Today,	ork password .network.wlan.ssid.EdimaxWireless		
	Name	Kind	Date Modified	Keychain
	A Apple ID Authentication	application password	2012/7/17 上午10:16:29	login
	A Apple Persistent State Encry		2012/7/16 下午5:15:20	login
	A EDIMAX 6475	AirPort network password	2012/7/17 上午11:08:03	login
Category	A Edimax5fb78a	AirPort network password	2012/8/27 上午10:24:59	login
All Itoms	A EdimaxWireless	AirPort network password	Today, 下午5:45	login
/ Passwords	Totogene Conneconi	application password	2012/7/17 上午10:16:23	login
Conurs Nata	A Matt	AirPort network password	Today, 下午5:28	login
My Certificates	📯 PP-6574-Demo	AirPort network password	2012/7/17 下午2:21:30	login
🖗 Keys				
📴 Certificates				
	+ i Copy	8 items		

**3.** Double click the SSID of your network and you will see the following window.

●	EdimaxWireless
(	Attributes Access Control
Name	EdimaxWireless
Kind	: AirPort network password
Account	AirPort
Where	com.apple.network.wlan.ssid.EdimaxWireless
Comments	
Show password:	<u>የ</u>
	Save Changes

**4.** Check the box labeled "Show password" and you will be asked to enter your administrative password, which you use to log into your Mac. Enter your password and click "Allow".

	Keychain Access wants to use your confidential information stored in "EdimaxWireless" in your keychain.         To allow this, enter the "login" keychain password.         Password:
?	Always Allow Deny Allow Account: AirPort Where: com.apple.network.wlan.ssid.EdimaxWireless
	Comments:
	Save Changes

Your network security password will now be displayed in the field next to the box labeled "Show password". In the example below, the network security password is "edimax1234". Please make a note of your network security password.

● ○ ○	EdimaxWireless
	Attributes Access Control
Name:	EdimaxWireless
Kind:	AirPort network password
Account:	AirPort
Where:	com.apple.network.wlan.ssid.EdimaxWireless
Comments:	
Show password:	edimax1234
	Save Changes

### IV-1-4. How to Find Your Router's IP Address

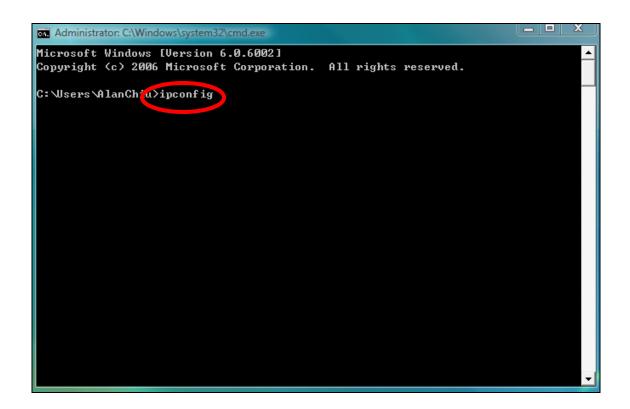
To find your router's IP address, please follow the instructions appropriate for your operating system.

### IV-1-4-1. Windows XP, Vista & 7

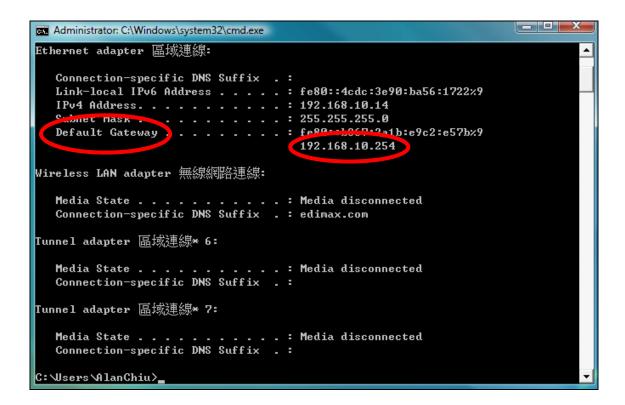
**1.** Go to "Start", select "Run" and type "cmd", then press Enter or click "OK".

Mozilla Firefox		
E-mail Microsoft Office Outlook	AlanChiu	X
Finternet Explorer	Documents Type the name of a program, folder, docu	ument, or Internet
📸 XnView	Pictures resource, and Windows will open it for yo	
Microsoft Office Word 2007	Recent Items	▼ strative privileges.
Google Chrome	Computer	
Microsoft Office PowerPoint 2007	Network OK Cancel	Browse
Adobe Reader 9	Connect To	
Command Prompt	Control Panel	
🙀 開啟 Microsoft Office 文件	Default Programs	
Audacity	Run	
All Programs		
Start Search		

**2.** A new window will open, type "ipconfig" and press Enter.

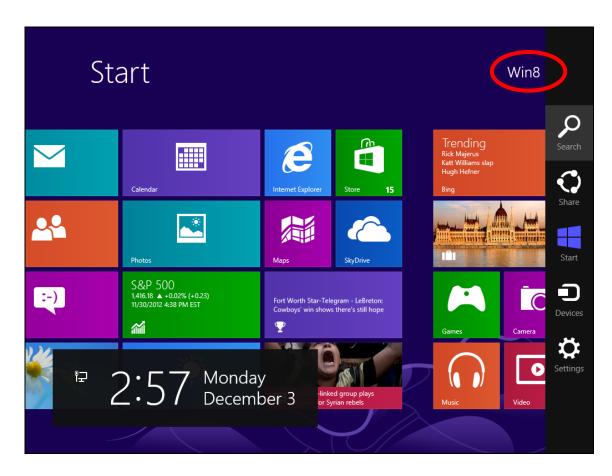


**3.** Your router's IP address will be displayed next to "Default Gateway".



### IV-1-4-2. Windows 8

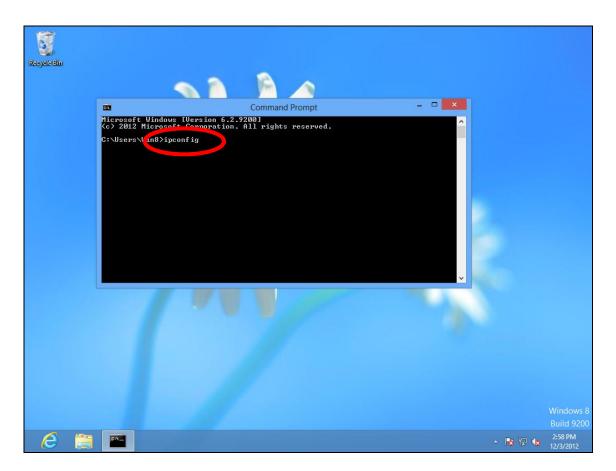
**1.** From the Windows 8 Start screen, move your curser to the top right corner of the screen to display the Charms bar.



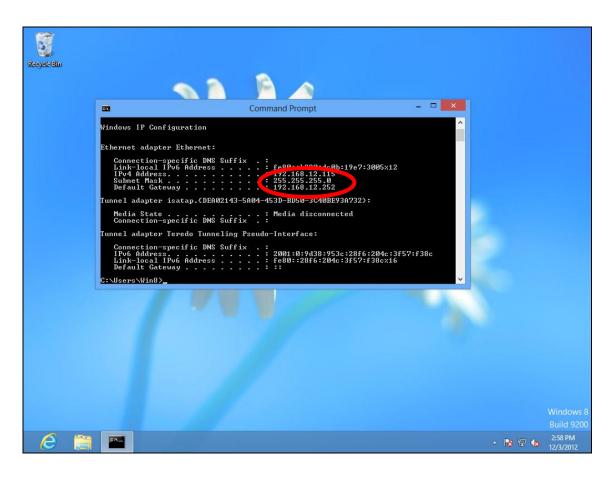
**2.** Click "Search" and enter "cmd" into the search bar. Click the "Command Prompt" app which be displayed on the left side.

Apps Results for "cmd"	Search Apps cmd × 2	2
	Арря	
	Settings	0
	Files	0
	Bing	
	Finance	
	Games	
	Mail	
	Maps	
	Music	

**3.** A new window will open, type "ipconfig" and press Enter.



**4.**Your router's IP address will be displayed next to "Default Gateway".



### IV-1-4-3. Mac

- **1.** Launch "System Preferences" and click on "Network".
- 2. If you are using an Ethernet cable to connect to your network, your router's IP address will be displayed next to "Router".

0 0	Network	:
Show All		Q
	Location: Automatic	•
Ethernet Connected     FireWire Not Connected	Status:	<b>Connected</b> Ethernet is currently active and has the IP address 192.168.10.179.
🖌 😽 🛛 😽	Configure IPv4:	Manually \$
USB Neterface     Not Connected	IP Address:	192.168.9.20
Bluetooth PAN     Not Connected		192.168.10.254
		192.168.1.12, 192.168.1.2
	Search Domains:	
+ - * *		Advanced ?
Click the lock to prev	ent further changes.	Assist me Revert Apply

**3.** If you are using Wi-Fi, click "Wi-Fi" in the left panel, and then "Advanced" in the bottom right corner.

Locat	ion: Automatic	*
Wi-Fi Connected      Connected      Kot Connected	Status: <b>Connected</b> Wi-Fi is conn IP address 10	ected to EdimaxHQ and has the
<ul> <li>FireWire Not Connected</li> <li>USB Neterface Not Connected</li> <li>Bluetooth PAN Not Connected</li> </ul>	Ska to jo Known netv If no known	ically join this network bin new networks works will be joined automatically. n networks are available, you will efore joining a new network.
+ - *	☑ Show Wi-Fi status in menu ba	r Advanced

**4.** Click the "TCP/IP" tab and your router's IP address will be displayed next to "Router".

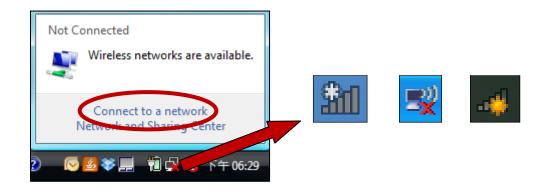
0 0	٨	letwork	
⊲   ▷ Show All			Q
蓉 Wi-Fi			
Wi-fi	TCP/IP DNS WI	NS 802.1X Proxie	s Hardware
Configure IPv4:	Using DHCP	\$	
IPv4 Address:	10.0.20.97		Renew DHCP Lease
Subnet Mack	255.255.255.0	DHCP Client ID:	
Router:	10.0.20.254	Annuated	( If required )
Configure IPv6:	Automatically		
Router:			
IPv6 Address:			
Prefix Length:			
?			Cancel OK
Click the lock to preve			Revent

## IV-2. Connecting to a Wi-Fi network

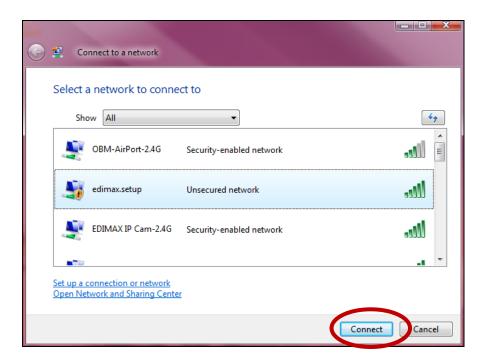
For help connecting to your device's *Edimax.Setup* SSID for initial setup, or to connect to your device's new Wi-Fi network (SSID) after setup is complete, follow the guide below:

Below is an example of how to connect using Windows Vista – the process may vary slightly for other versions of Windows.

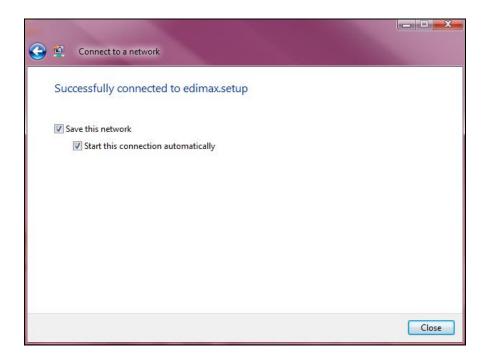
**1.** Click the network icon (<sup>■</sup>,<sup>™</sup>or<sup>♥</sup>) in the system tray and select "Connect to a network".



**2.** Search for the SSID of your BR-6208AC V2 and then click "Connect". If you set a password for your network, you will then be prompted to enter it.



**3.** After correctly entering your password, you will be successfully connected to the BR-6208AC V2's wireless network.



# IV-3. Troubleshooting

# 1. In range extender mode, is my BR-6208AC V2 dual-band?

a. Yes. The BR-6208AC V2 can extend 2.4GHz & 5GHz Wi-Fi signals concurrently, but you must connect your BR-6208AC V2 to each (2.4GHz & 5GHz) network separately during iQ setup. During iQ Setup, you will be asked to select both a 2.4GHz & 5GHz Wi-Fi network to extend, as well as specify a new SSID (name) and password for each of the networks that your BR-6208AC V2's will broadcast/extend.

You can disable either 2.4GHz or 5GHz Wi-Fi during iQ setup if there is no appropriate source network available, or if you do not wish to use it. If either the 2.4GHz or 5GHz frequency band is disabled, wireless clients/devices on the same frequency band will be unable to connect to your range extender.

# 2. In range extender mode, if my BR-6208AC V2 is set up as a dual-band extender, what happens when I connect a wired Ethernet client?

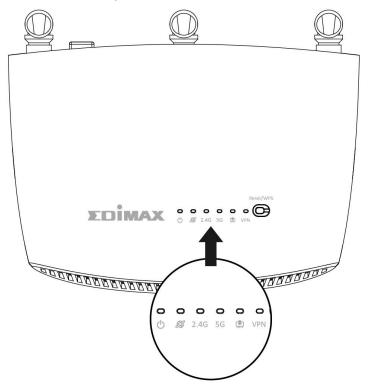
- a. When you connect a network device to your BR-6208AC V2 in range extender mode via Ethernet cable, by default the network device will connect to the 5GHz network. If there is no 5GHz network available, the network device will connect to the 2.4GHz network instead.
- 3. In range extender mode, how do I connect to a network which has a hidden SSID?
- a. During iQ Setup, you can manually enter a SSID in the "Wi-Fi network name" field as shown below, for either/both 2.4GHz and 5GHz, along with the relevant encryption information.

	2.4GHz	Wireless Site	Survey	
	Vi-Fi network name (SS g wireless network if re		extender if you	wish, and set the securit
Wi-Fi	network name (SSID):			
	Range extender SSID:			
	Encryption	Disable	~	

Wi-Fi network name	Enter the SSID (network name) of your existing,	
	hidden network.	
Range extender SSID	Enter an SSID for the BR-6208AC V2 or leave it	
	blank to use a default which consists of your	
	existing router's SSID (above) +"_2EX".	
Encryption	Select and enter the encryption information for	
	your existing, hidden network.	

# 4. What do the LEDs mean?

The LEDs can be identified by icons on the underside of the BR-6208AC V2.



LED	Color	LED Status	Description
Power		On	BR-6208AC V2 is on.
Φ	White	Off	BR-6208AC V2 is off.
Internet		On	Internet connection is ready.
Ø	Blue	Flashing	Factory default state, or Ethernet cable not connected, or no Internet connection.
2.4GHz Wi-Fi		On	2.4GHz Wi-Fi wireless activity (transferring/receiving data).
	Blue	Flashing	2.4GHz WPS is active.
•		Off	2.4GHz Wi-Fi not active.
5GHz Wi-Fi	Blue	On	5GHz Wi-Fi wireless activity (transferring/receiving data).
6	Blue	Flashing	5GHz WPS is active.
			5GHz Wi-Fi not active.
Firmware	Green	On	Firmware is latest firmware.
	Green	Flashing	Firmware is upgrading firmware.
VPN	Green	On	VPN is on.
VPN		Off	VPN is off.

# 5. I can't access the Internet.

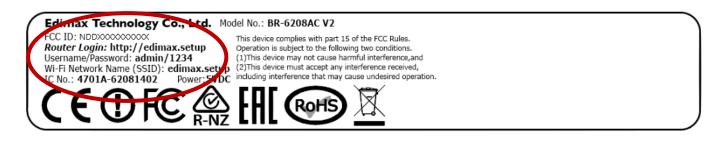
- a. Ensure that all cables are connected properly. Try a different Ethernet cable.
- b. Check if you can access the web based configuration interface. If not, please ensure your Wi-Fi device is set to use a dynamic IP address. If you are unsure how to do this, try using a computer and refer to the user manual for guidance.
- c. Login to the web based configuration interface and go to **Internet > WAN Setup** and check that the connection type is correct. If you are unsure which internet connection type you have, please contact your Internet Service Provider (ISP).
- d. Connect a computer directly to your modem and check if you can access the internet. If you can't, please contact your Internet service provider for assistance.

# 6. I can't open the web based configuration interface.

a. Please ensure your Wi-Fi device is set to use a dynamic IP address. If you are unsure how to do this, try using a computer and refer to <u>IV-1-1. How to check</u> that your computer uses a dynamic IP address.

# 7. How do I reset my device to factory default settings?

a. To reset the device back to its factory default settings, press and hold the WPS/Reset button for over 10 seconds, until the white power LED begins to flash. Please wait a few minutes for the product to restart. When the device restarts, all settings will be reset. Default settings are displayed on the product label on the bottom of the device, as shown below:





Router Login	Enter this URL in a web browser to run iQ Setup or
	configure advanced settings. You must be
	connected to the device by Wi-Fi or Ethernet
	cable.
Username/Password	This is the default username and password to
	access the browser based configuration interface
	when you go to the "Router Login" URL (above).
Wi-Fi Network	This is the default Wi-Fi network name for the
Name	device. Search for this name (SSID) and connect to
	it in order to access the "Router Login" URL
	(above).
MAC	A MAC address is unique to every device and is
	used for identification within a network. Your
	device's unique MAC address is displayed here.
PIN CODE	This is your device's PIN code for Wi-Fi Protected
	Setup (WPS).

# 8. I forgot my password.

a. Reset the router to its factory default settings and use the default username **admin** and default password **1234**. Default settings are displayed on the product label on the bottom of the device, as shown above.

# **9. My BR-6208AC V2 has a weak wireless signal.** Weak signals are usually caused by interference from other devices or obstacles blocking the BR-6208AC V2's wireless signal:

- a. Keep the device away from other radio devices such as microwaves or cordless phones.
- b. Do not put the device in the corner of a room or under/nearby metal.
- c. Ensure there are as few obstacles as possible between the BR-6208AC V2 and your wireless network device.

*In range extender mode*, the BR-6208AC V2's weak wireless signal may be in turn caused by a weak signal from your existing router. It's important to choose a good location for the BR-6208AC V2 *in relation to your existing wireless router*. The best location is roughly in the middle between your existing wireless router and the area you would like to be covered by the BR-6208AC V2. If you are too far away from your existing router, then it is difficult for the BR-6208AC V2 to receive a wireless signal.

# 10. Do the Internet and LAN ports work the same when the device is in different modes?

No, the Internet and LAN ports have slightly different functions depending on the operating mode of the device.

- a. In *Wi-Fi router* mode, the *Internet port* is for a direct connection to your xDSL modem. The *LAN ports* are for wired network clients.
- b. In *access point* mode, the *Internet port* is not functional. Connect your existing router to the device's *LAN port*, and the other *LAN ports* can connect wired network clients.
- c. In *range extender* mode, the *Internet port* is not functional and the all of *LAN ports* are for wired network clients. Do not connect your existing router to the device's *Internet* or *LAN ports*, as this can cause the device to malfunction.
- d. In *wireless bridge* mode, the *Internet port* is not functional and the all of *LAN ports* are for wired network clients.
- e. In *WISP* mode, the *Internet port* is not functional and the all of *LAN ports* are for wired network clients.

# 11. A firmware upgrade failed and the BR-6208AC V2 isn't working.

Firmware upgrade failures can happen occasionally due to power cuts or unstable connections. In this scenario, you need to first connect a computer to one of your BR-6208AC V2's LAN ports using an Ethernet cable. Then you need to modify your computer's IP address to **192.168.2.x** where **x** is any value between **3** and **254**. Refer to IV-1-2. How to modify the IP address of your computer if you need guidance to do so.

From there, you need to go to 192.168.2.1 in a web browser, and you will see the page below:

Firmware Recovery Mode
Please select the correct firmware file than click Upload once and wait
for the next screen to display that the upgrade is in progress.
Browse Upload

Click "Browse" to locate the firmware file on your computer and then click "Upload" to upload the new firmware. It may take several minutes to complete, please wait and follow the instructions on screen.

# V. Glossary

**Default Gateway (Wireless bridge):** Every non-access point IP device needs to configure a default gateway's IP address. When the device sends out an IP packet, if the destination is not on the same network, the device has to send the packet to its default gateway, which will then send it out towards the destination.

**DHCP:** Dynamic Host Configuration Protocol. This protocol automatically gives every computer on your home network an IP address.

**DNS Server IP Address:** DNS stands for Domain Name System, which allows Internet servers to have a domain name (such as www.Broadbandaccess point.com) and one or more IP addresses (such as 74.125.128.104). A DNS server keeps a database of Internet servers and their respective domain names and IP addresses, so that when a domain name is requested (as in typing "Broadbandaccess point.com" into your Internet browser), the user is sent to the proper IP address. The DNS server IP address used by the computers on your home network is the location of the DNS server your ISP has assigned to you.

**DSL Modem:** DSL stands for Digital Subscriber Line. A DSL modem uses your existing phone lines to transmit data at high speeds.

**Ethernet:** A standard for computer networks. Ethernet networks are connected by special cables and hubs, and move data around at up to 10/100 million bits per second (Mbps).

**IP Address and Network (Subnet) Mask:** IP stands for Internet Protocol. An IP address consists of a series of four numbers separated by periods, that identifies a single, unique Internet computer host in an IP network. Example: 192.168.2.1. It consists of 2 portions: the IP network address, and the host identifier.

A network mask is also a 32-bit binary pattern, and consists of consecutive leading 1's followed by consecutive trailing 0's, such as 111111111111111111111111100000000. Therefore sometimes a network mask can also be described simply as "x" number of leading 1's. When both are represented side by side in their binary forms, all bits in the IP address that correspond to 1's in the network mask become part of the IP network address, and the remaining bits correspond to the host ID.

For example, if the IP address for a device is, in its binary form, <u>11011001.10110000.1001</u>0000.00000111, and if its network mask is, 1111111111111111111110000.00000000 It means the device's network address is <u>11011001.10110000.1001</u>0000.00000000, and its host ID is, 00000000.00000000000000000111. This is a convenient and efficient method for access points to route IP packets to their destination.

**ISP Gateway Address:** (see ISP for definition). The ISP Gateway Address is an IP address for the Internet access point located at the ISP's office.

**ISP:** Internet Service Provider. An ISP is a business that provides connectivity to the Internet for individuals and other businesses or organizations.

**LAN:** Local Area Network. A LAN is a group of computers and devices connected together in a relatively small area (such as a house or an office). Your home network is considered a LAN.

**MAC Address:** MAC stands for Media Access Control. A MAC address is the hardware address of a device connected to a network. The MAC address is a unique identifier for a device with an Ethernet interface. It is comprised of two parts: 3 bytes of data that corresponds to the Manufacturer ID (unique for each manufacturer), plus 3 bytes that are often used as the product's serial number.

**NAT:** Network Address Translation. This process allows all of the computers on your home network to use one IP address. Using the broadband access point's NAT capability, you can access the Internet from any computer on your home network without having to purchase more IP addresses from your ISP. **Port:** Network Clients (LAN PC) uses port numbers to distinguish one network application/protocol over another. Below is a list of common applications and protocol/port numbers:

Application	Protocol	Port Number
Telnet	ТСР	23
FTP	ТСР	21
SMTP	ТСР	25
POP3	ТСР	110
H.323	ТСР	1720
SNMP	UCP	161
SNMP Trap	UDP	162
HTTP	ТСР	80
РРТР	ТСР	1723
PC Anywhere	ТСР	5631
PC Anywhere	UDP	5632

Access point: A access point is an intelligent network device that forwards packets between different networks based on network layer address information such as IP addresses.

**Subnet Mask:** A subnet mask, which may be a part of the TCP/IP information provided by your ISP, is a set of four numbers (e.g. 255.255.255.0) configured like an IP address. It is used to create IP address numbers used only within a particular network (as opposed to valid IP address numbers recognized by the Internet, which must be assigned by InterNIC).

**TCP/IP, UDP:** Transmission Control Protocol/Internet Protocol (TCP/IP) and User Datagram Protocol (UDP). TCP/IP is the standard protocol for data transmission over the Internet. Both TCP and UDP are transport layer protocol. TCP performs proper error detection and error recovery, and thus is reliable. UDP on the other hand is not reliable. They both run on top of the IP (Internet Protocol), a network layer protocol.

**WAN:** Wide Area Network. A network that connects computers located in geographically separate areas (e.g. different buildings, cities, countries). The Internet is a wide area network.

**Web-based management Graphical User Interface (GUI):** Many devices support a graphical user interface that is based on the web browser. This means the user can use the familiar Netscape or Microsoft Internet Explorer to Control/configure or monitor the device being managed.



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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

#### **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

#### **FCC Caution**

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

#### Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

#### Federal Communications Commission (FCC) RF Exposure Requirements

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C. The equipment version marketed in US is restricted to usage of the channels 1-11 only.

#### **R&TTE Compliance Statement**

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

#### Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

#### **EU Countries Intended for Use**

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

#### **EU Countries Not Intended for Use**

None

#### **EU Declaration of Conformity**

English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.
Français:	Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE.
Čeština:	Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.
Polski:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC.
Română:	Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/CE, 2009/125/CE.
Русский:	Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.
Magyar:	Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1999/5/EK, 2009/125/EC).
Türkçe:	Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
Українська: Slovenčina:	Обладнання відповідає вимогам і умовам директиви 1999/5/EC, 2009/125/EC. Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.
Deutsch: Español:	Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC. El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.
Italiano:	Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.
Nederlands:	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.
Português: Norsk:	Este equipamento cumpre os requesitos essênciais da Directiva 1999/5/EC, 2009/125/EC. Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.
Svenska:	Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.
Dansk:	Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.
Suomi:	Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

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#### **WEEE Directive & Product Disposal**



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

# **Declaration of Conformity**

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: AC750 Multi-Function Dual-Band Wi-Fi Router Model No.: BR-6208AC V2

The following European standards for essential requirements have been followed:

#### Directives 1999/5/EC

Spectrum	:	ETSI EN 300 328 V1.9.1
		ETSI EN 301 893 V1.8.1
EMC	:	EN 301 489-1 V1.9.2
		EN 301 489-17 V2.2.1

#### Recommendation19 99/5/EC

#### Directives 2006/95/EC

Safety (LVD)	:	IEC 60950-1:2005 (2 <sup>nd</sup> Edition)+Am 2:2013 and
		EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A12:2013

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CEO Date of Signatu Signature: Printed Name:

Date of Signature: September, 2016

Albert Chang

Director

Edimax Technology Co., Ltd.

Title:

