

BR-6288ACL



Edimax Technology Co., Ltd.

No.3, Wu-Chuan 3rd Road, Wu-Gu, New Taipei City 24891, Taiwan Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Fijenhof 2, 5652 AE Eindhoven, The Netherlands Email: support@edimax.nl

Edimax Computer Company

3350 Scott Blvd., Bldg.15 Santa Clara, CA 95054, USA Live Tech Support: 1(800) 652-6776 Email: support@edimax.com

CONTENTS

Ι.	Product I	nformation	1
	I-1.	Package Contents	1
	I-2.	LED Status	2
	I-3.	Back Panel	3
	I-4.	RJ-45 Splitter Cable	4
	I-5.	Wi-Fi Power Switch	5
	I-6.	Safety Information	6
١١.	Installatio	on	7
	II-1.	Wi-Fi Router Mode	10
	II-2.	Access Point Mode	15
	II-3.	Range Extender Mode	20
	II-4.	Wireless Bridge Mode	27
	II-5.	WISP Mode	33
	II-6.	WPS Setup	41
	II-7.	Reset to Factory Default Settings	41
III.	Browser I	Based Configuration Interface	42
	III-1.	Login	42
	III-2.	Save Settings	44
	III-3.	Main Menu	45
	III-3-1.	Status	46
	III-3-2.	Setup Wizard	47
	III-3-3.	Internet/WISP	49
	III-3-3-1.	WAN Setup	50
	III-3-3-1-1.	Dynamic IP	50
	III-3-3-1-2.	Static IP	52
	III-3-3-1-3.	PPPoE	54
	III-3-3-1-4.	РРТР	56
	III-3-3-1-5.	L2TP	59
	III-3-3-2.	DDNS	61
	III-3-4.	LAN	63
	III-3-5.	2.4GHz Wireless & 5GHz Wireless	66
	III-3-5-1.	Basic	66
	III-3-5-1-1.	Disable	70
	III-3-5-1-2.	WEP	71
	III-3-5-1-3.	WPA Pre-Shared Key	72
	III-3-5-1-4.	WPA Radius	73
	III-3-5-2.	Guest/ Multiple SSID	74

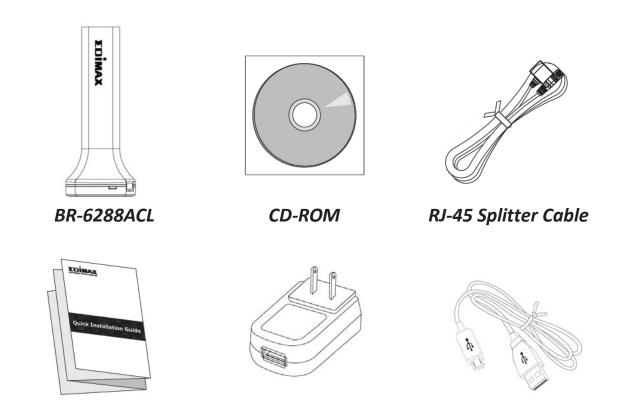
	III-3-5-3.	WPS	77
	111-3-5-4.	Access Control	78
	III-3-5-5.	Schedule	80
	III-3-6.	Firewall	82
	III-3-6-1.	URL Blocking	82
	III-3-6-2.	Access Control	84
	III-3-6-3.	DMZ	88
	III-3-6-4.	DoS	89
	III-3-7.	QoS	91
	III-3-7-1.	QoS	91
	III-3-7-2.	iQoS	94
	III-3-8.	Advanced	96
	III-3-8-1.	Static Routing	96
	III-3-8-2.	Port Forwarding	97
	III-3-8-3.	Virtual Server	99
	111-3-8-4.	2.4GHz Wireless	100
	III-3-8-5.	5GHz Wireless	102
	III-3-8-6.	IGMP	104
	III-3-8-7.	UPnP	104
	III-3-9.	Administration	105
	III-3-9-1.	Time Zone	105
	III-3-9-2.	Password	106
	III-3-9-3.	Remote Access	107
	III-3-9-4.	Backup/Restore	108
	III-3-9-5.	Upgrade	108
	III-3-9-6.	Restart	109
	III-3-9-7.	Logs	109
	III-3-9-8.	Active DHCP Client	110
	III-3-9-9.	Statistics	110
IV.	Appendix		111
	IV-1.	Configuring your IP address	111
	IV-1-1.	How to check that your computer uses a dynamic IP address	112
	IV-1-1-1.	Windows XP	112
	IV-1-1-2.	Windows Vista	114
	IV-1-1-3.	Windows 7	116
	IV-1-1-4.	Windows 8	119
	IV-1-1-5.	Mac OS	123
	IV-1-2.	How to modify the IP address of your computer	125
	IV-1-2-1.	Windows XP	125
	IV-1-2-2.	Windows Vista	127
	IV-1-2-3.	Windows 7	128

IV-1-2-4.	Windows 8	
IV-1-2-5.	Mac	
IV-1-3.	How to Find Your Network Security Key	
IV-1-3-1.	Windows 7 & Vista	
IV-1-3-2.	Mac	140
IV-1-4.	How to Find Your Router's IP Address	143
IV-1-4-1.	Windows XP, Vista & 7	143
IV-1-4-2.	Windows 8	145
IV-1-4-3.	Mac	148
IV-2.	Connecting to a Wi-Fi network	150
IV-3.	Troubleshooting	152

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):

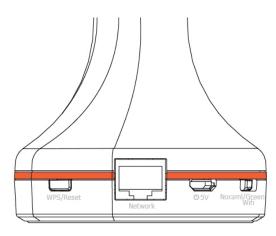


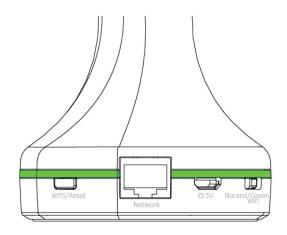
Quick Installation Guide

Power Adapter

USB Cable

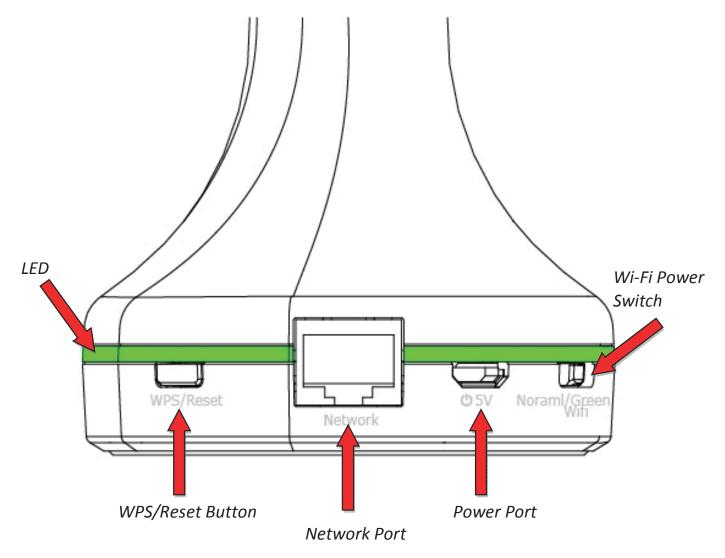
I-2. LED Status





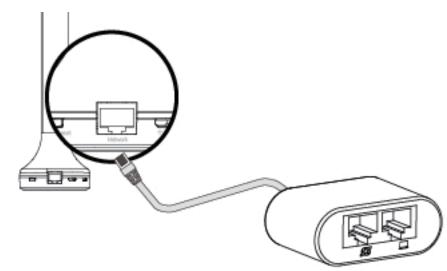
LED Color	LED Status	Description
	On	Product is starting up.
Orange/Red	Flashing (Slow)	No Internet connection.
orangeynea	Elashing (East) Resetting t	Resetting to factory default status or Wi-Fi Protected Setup (WPS) is active.
Light Green	On	Internet is connected and Wi-Fi is full power.
Dark Green	On	Internet is connected and Wi-Fi is in green mode (25% power).
Off	Off	BR-6288ACL is off.

I-3. Back Panel



I-4. RJ-45 Splitter Cable

The BR-6288ACL includes an RJ-45 splitter cable in the package contents. This plugs into the "Network" port of the BR-6288ACL and splits the port into two separate Ethernet ports – providing two ports instead of one, as shown below.

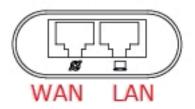




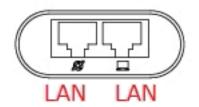
In **Wi-Fi router** mode, one port is the **WAN** (Network) port. The **WAN** port connects directly to your modem.



In **Wi-Fi router** mode, the other port is the **LAN** port. The **LAN** port is for wired connections to other network devices (e.g. computer).

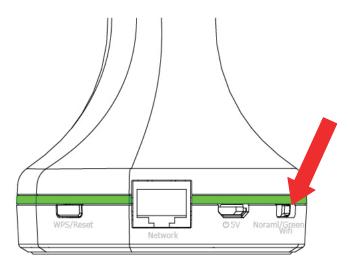


In **other** modes, both ports function as LAN ports for wired network devices (e.g. computers, games consoles etc.), and in **access point** mode also for connecting to your router.



I-5. Wi-Fi Power Switch

After setup you can use the Wi-Fi power switch to adjust the strength of the BR-6288ACL's wireless radio if you wish. Normal mode uses full 100% wireless power while green mode uses 25% wireless power.



I-6. 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.

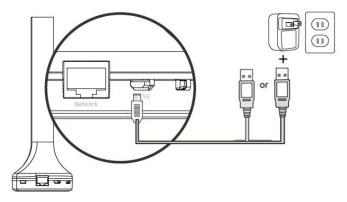
- 1. The device is designed for indoor use only; do not place it outdoors.
- 2. Do not place the device in or near hot/humid places, such as a kitchen or bathroom.
- 3. Do not pull any connected cable with force; carefully disconnect it from the BR-6288ACL.
- 4. Handle the device with care. Accidental 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

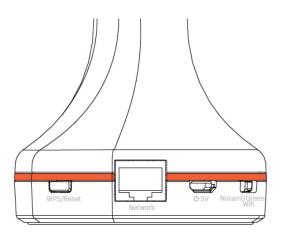
1. Plug in the BR-6288ACL using the included power adapter and/or USB cable.



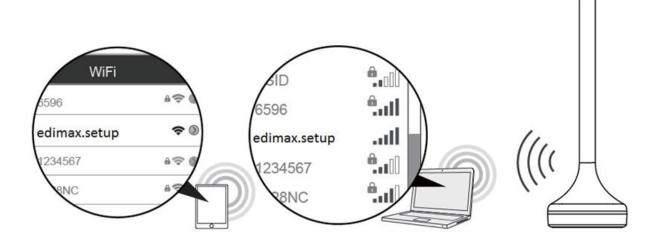
The BR-6288ACL requires 1 A of Letter current – please ensure that your USB port can provide sufficient power. If not, use the 5V DC adapter.



2. Wait until the circular LED at the base of the product is flashing "Orange/Red".



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.



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.



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 the user manual.

5.Choose if you want to use your BR-6288ACL in its default Wi-Fi router mode or in a different mode.

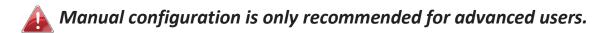


The BR-6288ACL's five available modes are outlined below:

Wi-Fi Router Mode	The device connects to your modem 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 router 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.

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.

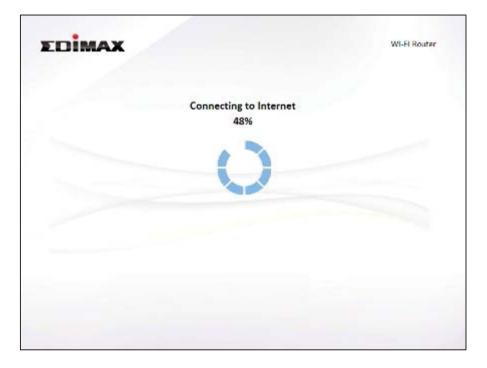


EDIMAX		WI-Fi Router
The IQ Setup wizard can h or you can setup your dev	elp detect your internet connection type, and walk you ice manually.	through setup step by step,
	1, IQ Setup wizard	
	2. Configure manually	
	Back Next	

2. Connect the **blue** Internet port of your BR-6288ACL to the LAN port of your modem using an Ethernet cable, and then click "Next".



3. Please wait a moment while the BR-6288ACL tests the connection.



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



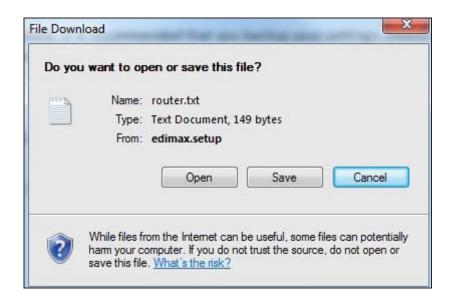
5. Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click "Next" to continue.

Please set your Wi-Fi netw	ork name (SSID) and Wi-Fi password.	
Wi-Fi network name (2.4GHz):	edimax_2.4G_8881D1	
Wi-Fi password (WPA2-AES):	12345678	
	(at least 8 characters)	
WI-FI network name (5GHz):	edimax_56_888181	
WI-FI password (WPA2-AES):	12345678	
	(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.

EDIMAX		Wi-Fi Router
Configuration is complete. It is n configuration" to do sa. Then clic		kup your settings, please click 'Backup this ady to continue.
	Internet Type :	Dynamic IP
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_8881D1
	WI-FI password :	12345678
(5 GHz)	WI-FI network name :	edimax_5G_888181
	Wi-Fi password :	12345678
	Backup this conf	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-6288ACL applies your settings.

EDIMAX		Wi-Fi Router
	Applying your settings, please wait. 7%	

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.

EDIMAX		
	Congratulati	ion!
You have successfully comple	eted setup. Please connect to th	he device's new Wi-Fi network name (55ID) listed
below. For advanced settings	, please access http://edimax.s	setup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_8881D1
	Wi Fi password :	12345678
(S GHz)	WI-FI network name :	edimax_5G_898101
	Wi-Fi password :	12345678

9. The BR-6288ACL 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 network port of your BR-6288ACL to the LAN port of your existing router using an Ethernet cable, then click "Next".

EDİMAX	Access Poin
Existing Wired Router	xDSL/Cable Modem
Please connect one end of an Ethernet cable to your existing to one of the ports on the back of access point.	grouter and connect the other and
Back Next	

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

Please select the wir please select both.	eless frequency that you want to use. If you ar	e not sure which one to use,
	1. Enable SGHz	
	Ø 2. Enable 2.4GHz	
	Back Next	

4. Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6288ACL. 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 th	e IP addr	ress	of the	ac	cess p	oint.		
🖲 Obtain an IP add	ress auto	oma	tically					
Use the following	; IP addr	ess						
IP address :	192		168	Į.	2	1.	2	
Subnet Mask :	255		255		255		Ω	
Default gateway :	0	Ξ,	α		12		Ð	
DNS :	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>.

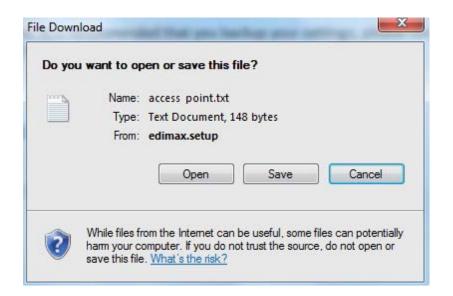
5. Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click "Next" to continue.

Please set your WI-Fi netw	ork name (SSID) and Wi-Fi password.	
Wi-Fi network name (2.4GHz):	edimax_2.4G_8881D1	
Wi-Fi password (WPA2-AES):	12345678 (at least 8 characters)	
Wi-Fi network name (SGHz):	edimax 5G_888181	
WI-FI password (WPA2-AES):	12345678	
	(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.

		commended that you bar k "Next" when you are re	ckup your settings, please click "Backup this ady to continue.
	(2.4 GHz)	WI-FI network name :	edimax_2.4G_8881D1
		WI-FI password :	17345678
(5 GI	(5 GHz)	WI-FI network name :	edimax_5G_8881B1
		WI-FI password :	12345678
		Backup this conf	iguration
		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 a moment until the BR-6288ACL is ready.

EDIMAX		Access Point
	Applying your settings, please wait. 23%	
	25%	

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.

EDIMAX		Access Poin
	Congratulat	ionl
You have successfully comple	ated setup. Please connect to th	ne device's new WI-FI network name (SSID) liste
below. For advanced settings	, please access http://edimax.s	etup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.46_8881D1
	Wi-Fi password :	12345678
(5 GHz)	Wi-Fi network name :	edimax_5G_888181
	Wi-Fi password :	12345678

9. The BR-6288ACL 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-6288ACL is within Wi-Fi range of your existing wireless router. Click "Next" to continue.



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".



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".

	5GHz Wireless Site Survey	
The range extender is surve	ying all available routers nearby. Please sek	ect the router you wish to connect to.
If the router you wish to con	nect is not listed, try clicking "Refresh". To a	connect to a hidden SSID please selec
"Setup extender manually".		
Setup extender	manually	
- Setup exterior	manually	
Select	SSID	Signal
Ū.	CA#1203-sc	100%
0	edimax_56_002469	100%
	6208ac_5G	58%
	Miß racky_SG	06%
0	CEM-Obrikes / SG	/8%
	EdimexHQ_56	72%

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

EDIMAX	
5GH:	z Wireless Site Survey
Please set a new Wi-Fi network name (SSID) fo your existing wireless network if required.	or the range extender if you wish, and set the security key for
WI-FI network name (SSID): Range extender SSID:	
Encryption Security Type	₩PA2 • © TKIP ® AES
Key Format WI-FI password (Security Key):	Passphrase •
	Back Next

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

5GHz Wireless Site S	Survey
Fi network name (SSID) for the range exte s network if required.	ender if you wish, and set the security key for
Device SSID EDIMAX_SG_2EX	
Security Key 12345678	

6. Wait a moment while the BR-6288ACL tests the wireless connection.



7. Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6288ACL. 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.

Obtain an IP addr							
automatically (IP : 15							
Use the following	IP addre	ess		_		_	
IP address :	192		168	9		2	
Subnet Mask :	255		255	255	1.	0	
Default gateway :	0	Ι,	0	0	Ι,	0	
DN5 :	0	1	0	0	1.	0	
UND :	0		Ų	U	1	U.	

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.

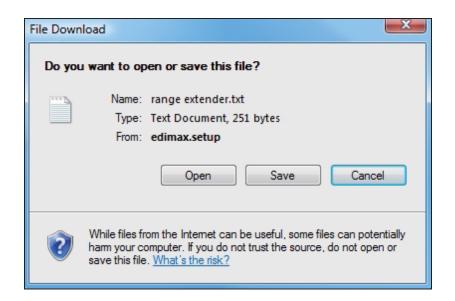
	2.4GHz Wireless Site Survey	
Select	SSID	Signal
D.	EDIMAK_2.4G	107%
	C/#500-000492	107%
0	MIS-larky	100%
Charles St.	08M-08-8817_2.46_21X	100%
1000	Eree Wi-El	100%
	PP-5476hD-7-46	96%

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.

	commended that you bar k "Next" when you are re	kup your settings, please click "Backup this ady to continue.
	IP address :	192,168.222.102
(2.4 GHz)	WI-FI network name :	EDIMAX_2.4G_2EX
	WI-FI password :	12345678
	IP address :	192.168.222.101
(5 GHz)	Wi-Fi network name :	EDIMAX 5G 2EX
	Wi-Fi password :	12345678
	Sackup this confi	njuradoten
	Back	Next

If you wish to backup the BR-6288ACL'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-6288ACL is ready.



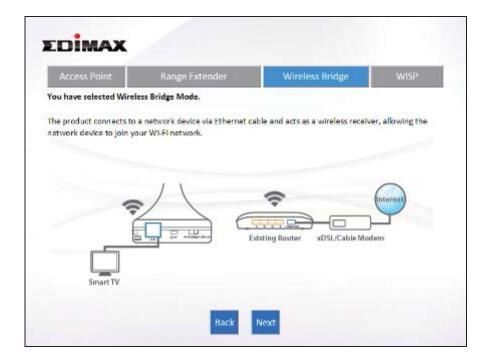
11. A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.

	Congratulati	onl
You have successfully comple	ted setup. Please connect to th	e device's new Wi-Fi network name (SSID) liste
below. For advanced settings,	please access http://edimax.s	etup from your computer"s web browser.
(2.4 GHz)	WI-FI network name :	EDIMAX_2.4G_2EX
	Wi-Fi password :	12345678
(S GHz)	WI-FI network name :	EDIMAX_5G_2EX
20.00	Wi-Fi password :	12345678

12. The BR-6288ACL 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-6288ACL is within Wi-Fi range of your existing wireless router. Click "Next" to continue.

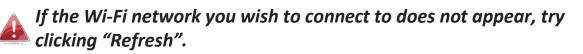


3. Select the frequency (2.4GHz or 5GHz) of your existing wireless network.

In wireless client mode, the BR-6288ACL can only connect to one wireless network/frequency i.e. 2.4GHz or 5GHz.



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



		5GHz Wireless Site Survey	
f the n			
Select		SSID	Signal
	Ū.	EDIMAX_SC	100%
	0	CAPITOL-SC	97%
	0	Milf-lacky_5G	90%
		6208at_56	B676
	Ð	OBM-DHink817_5G	BO%
	e .	EdimasHQ_5G	76%
		Back Refresh Ne	ext

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	
Please enter your existing WI-FI network nam	e (SSID) and security key if required.	
	provide the second s	
Wi-Fi network name (55ID):	EDIMAX_5G	
Encryption	WPA2 T	
Security Type	C TKIP B AES	
Key Format	Passphrase •	
WI-FI password (Security Key):	12345678	
	Back Next	

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

	5GHz Wireless Site Survey	
Please ente	r your existing Wi-Fi network security key	if required.
D	evice SSID EDIM/X_SG	1
Se	curity Key 12345678	
	Back Next	

6. Wait a moment while the BR-6288ACL tests the wireless connection.



7. Select "Obtain an IP address automatically" or "Use the following IP address" for your BR-6288ACL. 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.

Obtain an IP add							
automatically (IP : 15	2.168.22	22.1	101)				
Use the following	g IP addr	ess					
IP address :	192		168	,	2	•	3
Subnet Mask :	255		255	i.	255	1	0
Default gateway :	0		0		0		0
ONS :	D-		0	+	ά		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.

EDİMA	×	Wireless Bridge
	omplete. It is recommended that you do so. Then click "Next" when you are	backup your settings, please click "Backup this ready to continue.
	IP address :	192.168.222.101
	(5 GHz) WI-FI network name :	EDIMAX_5G
	WI-FI password :	12345578
	Backup this cr	onfiguration
	Back	Next

If you wish to backup the BR-6288ACL's settings, click "Backup this configuration" to open a new window and save your current configuration to a .txt file.

Do you	want to open or save this file?
THE REAL	Name: wireless bridge.txt
	Type: Text Document, 255 bytes
	From: edimax.setup
	Open Save Cancel
-	While files from the Internet can be useful, some files can potential

9. Please wait a moment until the BR-6288ACL is ready.



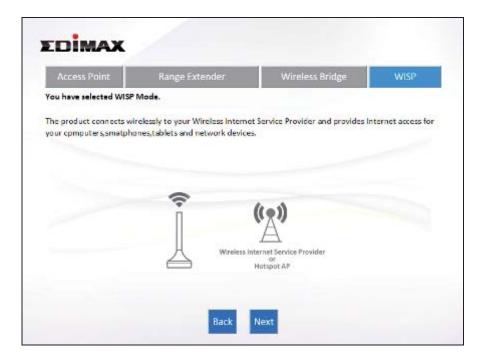
10. A final congratulations screen will indicate that setup is complete. Please close the browser window.

		Congratula	ation!		
			r wired devices to the ports on the back of wireless		
bridge. For advance	d settings, pl		ausetup from your computer's web browser.		
		IP address :	192.168.222.101		
	(5 GHz) WI-Fi network name		EDIMAX_5G		
		Wi-Fi password :	12345678		

11. The BR-6288ACL is working and ready for use. You can now connect the BR-6288ACL to your network device using an Ethernet cable and connect to your network as usual.

II-5. WISP Mode

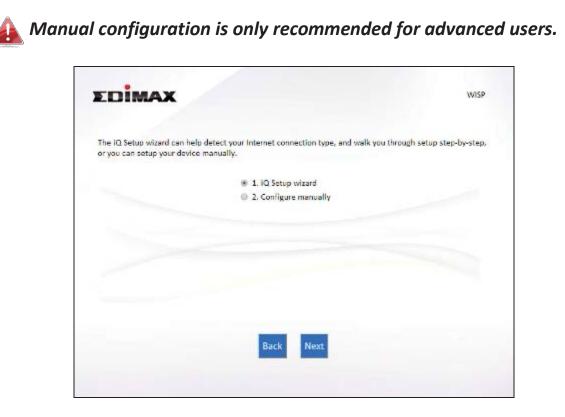
1. Select "WISP" from the top menu and click "Next".



2. Please ensure your BR-6288ACL is within Wi-Fi range of your WISP network and click "Next" to continue.



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



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



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 licking "Refresh".

	5GHz Wireless Site Survey	
NSP you wish to connect is ietup WISP manually".	all available WISP nearby. Please select th not listed, try clicking "Refresh". To connect	
Select	ssiD	Signal
0	EDIMAX_56	100%
0	CAP1200-bc	92%
MIS Jacay_EG		92%
	620Ber_55	RRS
0	Edimax110_56	74%
<u> </u>	OBM-DlinkB17_53	72%

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	Iz Wireless Site Survey
Please enther your WISP's Wi-Fi network nam	ne and the security key provide from your WISP if required.
WI-FI network name (SSID):	EDIMAX_WISP
Encryption	WPA2 ·
Security Type	* AES
Key Format	Passphrase •
WI-FI password (Security Key):	12345678
	Back Next

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

EDIMAX			WISP
		SGHz Wireless Site Survey	
	Please enter the required.	e security key provide from your WISP If	
		EDIMAX_5G	
		Back Next	

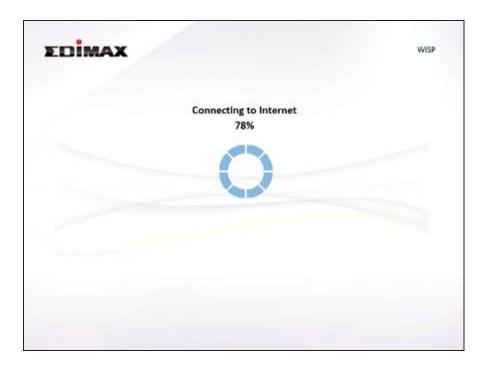
7. Wait a moment while the BR-6288ACL tests the wireless connection.



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



9. Wait a moment while the BR-6288ACL connects to the Internet.



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



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

Please set your WI-FI netw	wrk name (SSID) and WI-FI password.	
Wi-Fi network name (2.4GHz);	edimax_2.4G_8881D1	
Wi-Fi password (WPA2-AE5):	12345678	
	(at least 8 characters)	
Wi-Fi network name (5GHz):	edimax_5G_8881B1	
WI-FI password (WPA2-AF5):	12345678	
	(at least 8 characters)	
	Back Next	

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.

EDİMA				WISP
		commended that you bac k "Next" when you are re	kup your settings, please click "Backup this ady to continue.	
		Internet Type :	Dynamic IP	
	(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_8881D1	
		Wi-Fi password :	12345678	
	(5 GHz)	Wi-Fi network name :	edimax_5G_8881B1	
		Wi-Fi password :	12345678	
		Backup this conf	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.

Name: wisp.txt Type: Text Document, 141 bytes
 From: edimax.setup
Open Save Cancel



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.

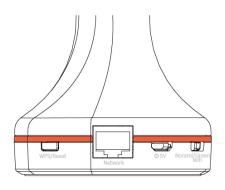
	Congratulati	on!
You have successfully comple	ted setup. Please connect to th	e device's new Wi-Fi network name (SSID) listed
below. For advanced settings,	please access http://edimax.s/	etup from your computer's web browser.
(2.4 GHz)	Wi-Fi network name :	edimax_2.4G_8881D1
	Wi-Fi password :	12345678
(5 GHz)	Wi-Fi network name :	edimax 5G 888181
	Wi-Fi password :	12345678

15. The BR-6288ACL 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-6288ACL's Wi-Fi network.

- **1.** Press the **WPS/Reset button** on the BR-6288ACL for 2 seconds to activate WPS. The LED will then quickly flash orange/red 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-6288ACL, 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 rear base of the product for at least 10 seconds.
- **2.** Release the button when the LED is quickly flashing orange/red.
- **3.** Wait for the BR-6288ACL to restart.

After you have setup the BR-6288ACL 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-6288ACL.



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	em	(t	AN
Internet	Model	Wireless Router	IP Address	192.168 <mark>.</mark> 2.1
LAN	Current Time	1970/1/1 0:03:16	Subnet Mask	255.255.255.0
2.4GHz Wireless	Hardware Version	Rev. A	DHCP Server	Enable
	Firmware Version	1.03	MAC Address	00:E0:4C:88:81:B1
 5GHz Wireless 	Check the la	test version		
Firewall				
QoS	Inte	rnet	2.4GHz	Wireless
	IP Address Mode	Dynamic IP Disconnect	Mode	Access Point
Advanced	IP Address		SSID	edimax.setup
 Administration 	Subnet Mask		Channel Number	2
rightmisergelon	Default Gateway Address		Security	Disable
- Automation			MAC Address	00:E0:4C:88:81:D1
	MAC Address	00:E0:4C:88:81:B9	INAC AGGICES	
	MAC Address DNS 1	00:E0:4C:88:81:B9	mac Address	
		00:E0:4C:88:81:B9		Wireless
	DNS 1	00:E0:4C:88:81:B9		
	DNS 1 DNS 2	00:E0:4C:88:81:B9	SGHz	
	DNS 1 DNS 2	00:E0:4C:88:81:B9	5GHz Mode	Access Point edimax.setup5G
	DNS 1 DNS 2	00:E0:4C:88:81:B9	SGHz Mode SSID	Access Point edimax.setup5G 161

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.

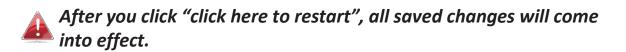


The device needs to restart in order to bring any changes into effect.

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



- 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 SGHz 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.

Status				
Setup Wizard	System Status			
Internet	Sys	tem	L	AN
	Model	Wireless Router	IP Address	192.168.2.1
LAN	Current Time	2014/9/28 10:56:47	Subnet Mask	255.255.255.0
2.4GHz Wireless	Hardware Version	Rev. A	DHCP Server	Enable
5GHz Wireless	Firmware Version	1.03	MAC Address	00:E0:4C:82:98:C1
	Check the la	test version		
Firewall				
QoS	Inte	rnet	2 4GHz	Wireless
Advanced	IP Address Mode	PPPoE Connect	Mode	Access Point
	IP Address	118.165.189.118	SSID	edimax_2.4G_8298D1
Administration	Subnet Mask	255.255.255.255	Channel Number	6
	Default Gateway Address	168.95.98.254	Security	WPA2 (AES)
	MAC Address	00:E0:4C:81:96:C9	MAC Address	00:E0:4C:82:98:D1
	DNS 1	168.95.192.1		
	DNS 2	168.95.1.1	5GHz	Wireless
	DNS 3	168.95.1.1	Mode	Access Point
			SSID	edimax_5G_8298C1
			ChannelNumber	44
			Security	WPA2 (AES)
	1			00:E0:4C:82:98:C1

III-3-2. Setup Wizard

Setup Wizard

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

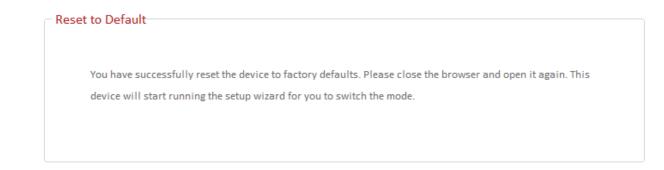
help you switch the device to a different operating mode. Select "Setup Wizard" or "Switch to Router/Access Point/Range Extender/Wireless Bridge/WISP mode" and then click "Run Wizard" to begin.

Setup Wiza	rd
0	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
Point/ Range Extender/	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:

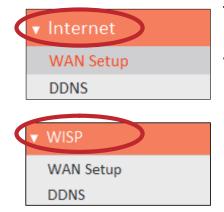
- **1.** Follow the on-screen instructions to back up your current settings and then reset the device back to its factory default settings.
- 2. After the device has reset you will see the screen below. Close your browser and open it again.



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:

WISP	ble / Disable	Disable Inable
Ba	sic Settings :	
	SSID	FREE WI-FI
	Site Survey	2.4G 5G Select Site List
Cha	nnel Number	3
Secu	rity Setting :	
	Encryption	WPA Pre-shared Key 💌
WPA Unicast	t Cipher Suite	WPA (TKIP) WPA2 (AES)
Pre-share	d Key Format	Passphrase 💌
Pr	e-shared Key	12345678
		Course Contribution
		Save Settings

Enable / Disable	Enable or disable your WISP connection.
SSID	The name of the WISP network which your BR-6288ACL is connected to. Manually enter an SSID if you wish or use "Site Survey" below.
Site Survey	Select wireless frequency and click "Show 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.



In WISP mode, only Dynamic IP, Static IP & PPPoE are available for WAN Connection Mode.

WAN Connection Mode		
	Connection Mode	Dynamic IP 💌
		Dynamic IP
(D		Static IP PPPoE
Dynamic IP		РРТР
	Host Name	L2TP

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

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

Dynamic IP	
by name in	
Host Name	
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
DNS Proxy	Isable Enable
DNS Proxy Rules (URL)	
MTU	1500 (512<= MTU Value <=1500)
πι	Disable Enable E
	Save Settings
	our octings

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.
DNS Proxy	Enable or disable a DNS proxy server.
DNS Proxy Rules (URL)	When DNS proxy is enabled, enter the URL of a DNS proxy server.
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	
Station	
Fixed IP IP Address	172.1.1.1
Subnet Mask	255.255.0.0
Default Gateway Address	172.1.1.254
MAC Address	00000000000000000000000000000000000000
DNS1 Address	0.0.0.0
DNS2 Address	0.0.0.0
DNS3 Address	0.0.0.0
DNS Proxy	Oisable Enable
DNS Proxy Rules (URL)	
МТО	1500 (512<= MTU Value <=1500)
т	Disable Enable E
	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 Address	Input the default gateway assigned by your 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.
DNS Proxy	Enable or disable a DNS proxy server.
DNS Proxy Rules	When DNS proxy is enabled, enter the URL of a

(URL)	DNS proxy server.
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	@wifi.hinet.net
Password	
MAC Address	000000000000 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
DNS Proxy	Disable Disable
DNS Proxy Rules (URL)	
π	Isable Enable
Service Name	
MTU	1392 (512<= MTU Value <=1492)
Connection Type	Continuous Connect Disconnect
Idle Time Out	10 (1-1000 minutes)
Enable Dual Wan Access :	
IGMP Source	● ETH ○ PPP
	Save Settings
	save serrings

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.	
DNS Proxy	Enable or disable a DNS proxy server.	
DNS Proxy Rules (URL)	When DNS proxy is enabled, enter the URL of a DNS proxy server.	
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:	
	1. "Continuous": Connected all the time.	
	 "Connect on Demand": Connect when you initiate an Internet connection. 	
	 "Manual": Connect/disconnect manually using the "Connect" and "Disconnect" buttons. 	
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.

г — РРТР —	
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
DNS Proxy	Isable Enable
DNS Proxy Rules (URL)	
Enable Dual Wan Access :	
IGMP Source	етн О ррр
PPTP Settings :	
User ID	
Password	
PPTP Gateway	0.0.0.0
Connection ID	(Optional)
мти	1392 (512<= MTU Value <=1492)
BEZEQ-ISRAEL	Enable (for use with BEZEQ network in Israel only)
Connection Type	Continuous Connect Disconnect
Idle Time Out	10 (1-1000 minutes)
	Save Settings
	our occurs

Lloat Neme	Enter the best name of your computer have 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 Address	Input the default gateway assigned by your ISP 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 1,2 & 3	Enter the DNS address(es) assigned by your ISP here.
DNS Proxy	Enable or disable a DNS proxy server.
DNS Proxy Rules (URL)	When DNS proxy is enabled, enter the URL of a DNS proxy server.
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: "Continuous": Connected all the time. "Connect on Demand": Connect when you initiate an Internet connection. "Manual": Connect/disconnect manually using the "Connect" and "Disconnect" buttons.
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.

III-3-3-1-5. L2TP

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

L2TP	
Obtain an IP address automatically :	
Host Name	
MAC Address	00000000000 Clone MAC
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
DNS Proxy	Isable Enable
DNS Proxy Rules (URL)	
Enable Dual Wan Access :	
IGMP Source	• ЕТН
L2TP Settings :	
User ID	
Password	
L2TP Gateway	0.0.0.0
МТО	1392 (512<= MTU Value <=1492)
Connection Type	Continuous 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.
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 Address	Input the default gateway assigned by your ISP 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 1,2 & 3	Enter the DNS address(es) assigned by your ISP here.
DNS Proxy	Enable or disable a DNS proxy server.
DNS Proxy Rules (URL)	When DNS proxy is enabled, enter the URL of a DNS proxy server.
User ID	Input the user name assigned by your ISP here.
Password	Input the password assigned by your ISP here.
L2TP Gateway	Input the L2TP 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.
Connection Type	 Specify a connection type: "Continuous": Connected all the time. "Connect on Demand": Connect when you initiate an Internet connection. "Manual": Connect/disconnect manually using the "Connect" and "Disconnect" buttons.
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.

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
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 V

IP Address	Specify the IP address here. This IP address will be assigned to the BR-6288ACL and will replace the default IP address.
Subnet Mask	Specify a subnet mask. The default value is 255.255.255.0
802.1d Spanning Tree	Select "Enable" or "Disable" to enable/disable 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.

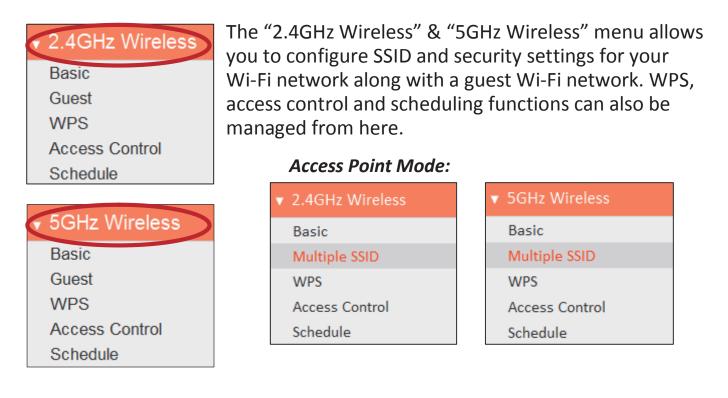
	Only 16 sets of add	resses are allowed.	
NO.	MAC Address	IP Address	Select
1	00:1b:63:cb:4c:b5	192.168.2.110	
7 Freible Gert	- DUCD	Delete Select	ed Delete Al
☑ Enable Stat	ic DHCP Leases	Delete Select	ed Delete All

Enable Static DHCP Leases	Enable/disable static DHCP leases. This must 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 All	Delete selected or all entries from the table.

The LAN IP page will be displayed as below when your device is set to access point mode. You can set the BR-6288ACL to obtain an *IP address automatically or you can specify an IP address.*

 Obta 	in an IP address automatically
 Use t 	the following IP address
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
Default Gateway Address	
DNS 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.setup
Broadcast SSID	Enable Disable
	Enable Wireless Clients Isolation
Channel Number	Auto 💌
Site Survey	Show 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-6288ACL's "2.4GHz (B+G+N)" means that 802.11b, 802.11g, and 802.11n wireless clients can connect to the BR-6288ACL.
Wireless Network Name (SSID)	This is the name of your Wi-Fi network for 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 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 Clients Isolation	Check the box to enable wireless clients isolation. This prevents wireless clients connected to the BR-6288ACL 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.
Channel Number	Select a wireless radio channel or use the default "Auto" setting from the drop-down menu.
Site Survey	Click "Show List" to display a new window showing information about the surrounding wireless environment. This information is useful to select an effective wireless channel number.
Wireless Clients	Click "Show List" to display a new window showing

	information about wireless clients. Please disable any pop-up blockers if you have difficulty using this
	function.

AP Bridge-WDS:

Mode	AP Bridge-WDS 💌
Band	AP 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.

When using WDS, configure the IP address of each access point to be in the same subnet and ensure there is only one active DHCP server among connected access points, preferably on the WAN side.

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

MAC Address 1	0000000000
MAC Address 2	00000000000
MAC Address 3	00000000000
MAC Address 4	00000000000
Set Security	Set Security

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

WPA Pre-shared Key 🔻
WPA2 (AES)
Passphrase 🔻
Close

Wireless Security		
Encryption	WEP	
Key Length	64-bit 💌	
Key Format	Hex (10 characters) 💌	
Encryption Key	•••••	🗹 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-6288ACL.

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	•••••	III Hide
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

1010	_	
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.

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

WPA Unicast Cipher Suite Pre-shared Key Format	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). 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

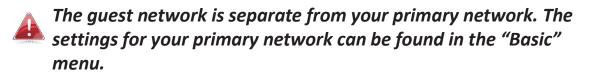
WPA RADIUS is a combination of WPA encryption and RADIUS user authentication. If you have a RADIUS authentication server, you can authenticate the identity of every wireless client against a user database.

Vireless 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.





In access point mode, the "Guest" feature in the menu is replaced by "Multiple SSID". The BR-6288ACL supports up to four additional SSIDs for each wireless band in access point mode.

Guest Wireless Name	e dimax.gue st
	Enable Wireless Clients Isolation
Band	2.4 GHz (b+g+n)
Channel Number	Auto 🔻 (Same as main SSID)
Encryption	Disable v
	Band Channe l Number

Enable Guest SSID	Check/uncheck the box to enable/disable the			
	guest Wi-Fi network.			
Wireless Guest Name	Enter a reference/ID name for your guest wireless			
	network.			
Enable Wireless	Check the box to enable wireless clients isolation.			
Clients Isolation	This prevents wireless clients connected to the			
	BR-6288ACL 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-6288ACL's frequency band:			
	2.4GHz (B+G+N): Allows 802.11b, 802.11g, and			
	802.11n wireless clients to connect to the			

	BR-6288ACL.			
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-6288ACL 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.

Multiple SSID Status					
NO.	Enable	SSID	VLAN ID	Encryption	MAC Address
1	\checkmark	edimax.1	0	Disable	80:1F:02:ED:F2:D2
2	\checkmark	edimax.2	0	WPA2 (AES)	80:1F:02:ED:F2:D3
3	\checkmark	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 Name (SSID)	Enter a reference/ID name to separate your wireless network.	

Enable Multiple SSID	Check/uncheck this box to enable/disable the specified SSID. Must be checked for the SSID to function.		
Enable Wireless Clients Isolation	Check the box to enable wireless clients isolation. This prevents wireless clients connected to the BR-6288ACL 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-6288ACL's frequency band: 2.4GHz (B+G+N): Allows 802.11b, 802.11g, and 802.11n wireless clients to connect to the BR-6288ACL.		
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.

Configured
91486257
edimax_2.4G_EDF2D1
WPA Pre-shared Key
abcd1234
Registrar
Start PBC
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 Button	Click "Start PBC" (Push-Button Configuration) to activate WPS on the access point. WPS will be active for 2 minutes.
Configure via Client PIN Code	Enter the wireless client's PIN code here and 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-6288ACL. 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-6288ACL, it will be denied.

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

Access Control					
Enable Wireless Access Con	trol				
MAC Address Comment Add					
MAC Address	Device Name	IP Address	Comment	Select	
aa:bb:cc:dd:ee:ff	OFFLINE	OFFLINE	Edimax		
	Save Settin	gs	Delete Selected	Delete All	

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.

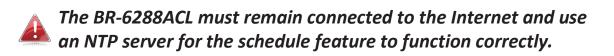
MAC address entries will be listed in the table as shown below. Select an entry using the "Select" checkbox.

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 All

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.



	nedule Settings				
. Weekday	Sunday Monday Thursday	🔲 Tuesday 🔲 Saturday		🔲 Wednesda	вγ
. Time	Hour 0 💌 Minute 00 💌				
. Command	Wireless On 💌				
					Add
	Weekday	_	Time	Command	Select
	Monday, Tuesday, Wednesday, Thursday, Friday		01:00	wireless off	Select
	Monday,Tuesday,Wednesday,Thursday,Friday		08:00	wireless on	0

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".

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			
Sattings have been saved Plance click here to restart the router and l	ring the per	w cattings into affact	
Settings have been saved. Please click here to restart the router and b	oring the ne	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.

s stateful packet inspection (SPI) firewall protection. Only packets matching a know will be allowed by the firewall; others will be rejected.
SPI firewall

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.

IRL Blocki	ng	
🗵 Enable U	JRL Blocking	
	URL / Keyword : Add	
NO.	URL / Keyword	Select
1	www.blockedwebsite.com	
	D	elete Selected Delete All
	Save Settings	
	Settings have been saved. Please click here to restart the router and bring the new s	settings into effect.

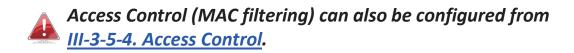
URL/Keyword	Enter the URL or keyword to be blocked.
Add	Add the URL or keyword to the blocked table.

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-6288ACL. 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				
V	Enable MAC Filte	ring : O Deny 🖲 A	llow		
	Client PC MA	C Address	Computer Name	Comment	
			Select 💌		
					Add
MAC	Filtering Table :				
NO	D Com	puter Name	Client PC MAC Address	Comment	Select
1	MACE	300K-4729BA	00:1b:63:cb:4c:b5		
			D	elete Selected	Delete All
V	Enable IP Filterin	g Table : O Deny	Allow		
	Itering Table :	-			
	Client PC	Client PC IP	climate miles		Port
NO	Description	Address	Client Service	Protocol	Range Select
1	Laptop	192.168.2.101	WWW, E-mail Sending, News Forums, E-mail Receivi Secure HTTP, File Transfer	ng,	
			Add PC D	elete Selected	Delete All
			Save Settings		
	Settings h	ave been saved. Ple	ase click here to restart the router and bring the new s	ettings 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 Filtering Table :						
NO	Computer Name	Client PC MAC Address	Comment	Select		
1	MACBOOK-4729BA	00:1b:63:cb:4c:b5				
			Delete Selected	Delete All		

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

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	
TCP	All TCP Port	
UDP	All UDP Port	

		-		
User	Define	Sel	rvice	-
0001	D C IIII			

Protocol	Both 💌
Port Range	
	Add

Client PC Description	Enter a description for reference/identification of up to 16 alphanumeric characters.
Client PC IP address	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.

	Enable IP Filtering Table : O Deny Allow IP Filtering 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	Dele	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.

	Public	Client PC	Computer Name
Dynamic Static IP	IP Session 1		Select 💌
			Add
irrent DM		Public IP Address	
NO	Computer Name	Public IP Address	Client PC IP Address Select
			Delete Selected Delete A

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 DM2	Z Table :			
NO	Computer Name	Public IP Address	Client PC IP Address	Select
			Delete Selected	Delete All

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

III-3-6-4. DoS

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 v Burst 5
Discard Ping From WAN	
Port Scan	 ✓ NMAP FIN / URG / PSH ✓ Xmas tree ✓ Another Xmas tree ✓ Null scan ✓ SYN / RST ✓ SYN / FIN ✓ SYN (only unreachable ports)
Sync Flood	30 Packet(S) Per Second Burst 30
	Save Settings

Ping of Death	Specify the frequency of ping of death packets which will trigger the router's DoS protection function.
Discard Ping from	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-6288ACL'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 Downloa	d Bandwidth	0	kbits		
	Total Uploa	d Bandwidth	0	kbits		
Current QoS Table :						
Priority	Rule Name	Uploa	ad Bandv	vidth	Download Bandwidth	Select
	Add Edit Delet	e Selected	Delete A	ll Move S	p Wove Down	
		Saug I	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)		
	 Select "Download" or "Upload" for the QoS rule. 		
	2. Enter the bandwidth limit.		
	 Select whether the bandwidth is a "Guarantee" (minimum) or "Max" (maximum). 		
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.



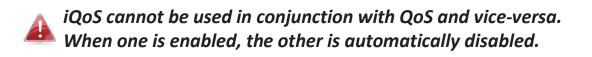
QoS rules will be processed in the order that they are listed i.e. the rule at the top of the list will be applied first, and then the second rule etc. The order can be adjusted using the "Move Up/Down" buttons.

Current QoS Tabl	e :			
Priority	Rule Name	Upload Bandwidth	Download Bandwidth	Select
	Add Edit Delet	e Selected Delete All Move	Up Wove Down	

Edit	Edit a selected rule.
Delete Selected/	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 is a smart tool for bandwidth management. iQo	S cannot	be used simultaneously with QoS.
Enable iQoS		
Total Download Bandwidth	0	kbits
Total Upload Bandwidth	0	kbits
Current IQoS Table : High		Low
<u>(@</u>	Save	Settings
Settings have been saved. Please click h	ere to res	start 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 Bandwidth	Enter your total upload bandwidth limit from your Internet service provider (ISP) in kbits.
Danuwiuth	your internet service provider (ISP) in kolts.

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-6288ACL 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 Routin	g					
Destination LAN IP		Subnet Mask	Default Ga	iteway	Hop Count	Interface
						LAN 💌
						Add
Current Static Routing Ta	able :					
NO Destination L	AN IP	Subnet Mask	Default Gateway	Hop Count	Interface	Select
				Delei	re Selected	Delete All
			Save Settings			

Enable Static Routing	Check/uncheck the box to enable/disable static routing.
Destination LAN IP	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 C	elete All
	te Selected/ te All	Delete se	elected or all er	ntries fron	n the tak	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.

Enable Port For Private IP	warding Computer	Name	Туре	Port Range		Comment
	selec		Both 💌			
						Add
irrent Port Forwar	ding Table :					
NO Com	puter Name	Private IP	Туре	Port Range	Comment	Select
					Delete Selecter	Delete J

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:

urrent Port Forwarding Table :					
NO Computer Name	Private IP	Туре	Port Range	Comment	Select
				Delete Selected	d Delete All

Delete Selected/	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.

Private IP	Computer Name	Private Port	Туре	Public Port	Commen	t
	<select th="" 💌<=""><th></th><th>Both 💌</th><th></th><th></th><th></th></select>		Both 💌			
						A
ent Virtual Server Table :						
Computer Name	Private IP	Private Port T	ype Publ	ic Port C	omment S	ele
					dament and	
				Delete S	elected Dela	ae

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 MHZ 1
Preamble Type	Short Preamble O Long 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.

III-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	20/40/8	80 MHZ 🔘 20/40 MHZ 🛛 20 MHZ
Preamble Type	Short Pr	reamble 🔘 Long Preamble
CTS Protect	🔘 Auto 🔘	Always 🙆 None
Tx Power	100 % 💌	
WMM	Auto	
	Save Settin	ngs

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 20/40/80MHz.
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.

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 O 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 Feature 🔘 Enable 🖲 Disable	
	Save Settings	

III-3-9. Administration

 Administration 	
Time Zone	
Password	
Remote Access	
Backup / Restore	
Upgrade	
Restart	
Logs	
Active DHCP Clier	it
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	Enable Function January 1 To 1
	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.			
Confirmed Password	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.

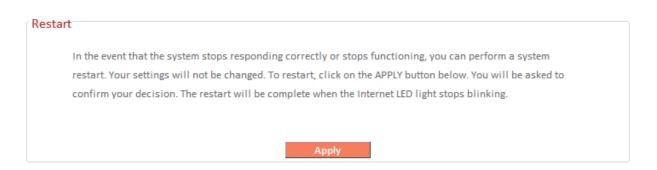


Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. It is recommended that you use a wired Ethernet connection for a firmware upgrade.

Upgrade	
[Browse
	Apply

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							
Mar 13 07:34:4 Mar 13 07:34:4 Mar 13 07:34:4 Mar 13 07:34:4	(none) syslog.inf 14 (none) user.del 14 (none) user.del 14 (none) user.del 14 (none) user.noi 14 (none) user.noi	bug syslog: Deb bug syslog: Deb bug syslog: Deb tice syslog: Not	ou: buildIfVc: I ou: buildIfVc: I ou: buildIfVc: I te: adding VIF,	nterface lo Add nterface eth1 A nterface br0 Ad idx=0 Fl flags=	ddr: 192.16 dr: 192.168 0x0 IP=192.	8.10.143, 3.2.1, Flag 168.2.1 b	h.
•						4	r.
	Save	e	Clear	Refresh			
		-			_		
					_		
ty Log						<	Security L
ity Log						<	Security L
[1970-01-01 0 [1970-01-01 0 [2014-03-13 0 [2014-03-13 0	0:00:22]: start Dy 0:00:24]: [SNTP]: c 7:34:33]: [SNTP]: c 7:34:33]: [SNTP]: s 7:34:34]: [Firewal	namic IP connect to Time connect success set time to 2014	s! 4-03-13 07:34:	33		× III	Security L
[1970-01-01 0 [1970-01-01 0 [2014-03-13 0 [2014-03-13 0 [2014-03-13 0 [2014-03-13 0 [2014-03-13 0 [2014-03-13 0	0:00:22]: start Dy 0:00:24]: [SNTP]: c 7:34:33]: [SNTP]: c 7:34:33]: [SNTP]: s	namic IP connect to Time connect success set time to 2014 II]: WAN1 IP is 2 II]: WAN3 IP is 0 II]: WAN3 IP is 0 II]: setting firew	s! 4-03-13 07:34: 192.168.10.14 0.0.0.0 0.0.0.0 vall	33 3			Security L

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				
2.4GHz Wireless	Sent Packets	1745		
	Received Packets	30311		
	Sent Packets	517		
5GHz Wireless	Received Packets	56878		
Ethernet LAN	Sent Packets	1494		
	Received Packets	1868		
	Sent Packets	1624		
Ethernet WAN	Received Packets	5075		
Refresh				

Appendix IV.

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-6288ACL in order to access *http://edimax.setup*.



The BR-6288ACL'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:
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks Gos Packet Scheduler
Internet Protocol (TCP/IP)
Install Uninstall Properties
Description
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication

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

Internet	Protocol (TCP/IP)	Properties ?	
General	Alternate Configuration	n	
this cap		ed automatically if your network supports need to ask your network administrator for	
0 <u>0</u> E	otain an IP address auto	omatically	
	e the following IP addr	ess:	
IP ad	ldress:		
Subn	iet mask:	10 C 40	
Defa	ult gateway:		
<u>⊚ 0</u>	otain DNS server addre	ss automatically	
OUs	e the rollowing Divisise	arver addresses:	
Erefe	rred DNS server:		
Alterr	nate DNS server:		
		Ad <u>v</u> anced	
		OK Cance	

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".

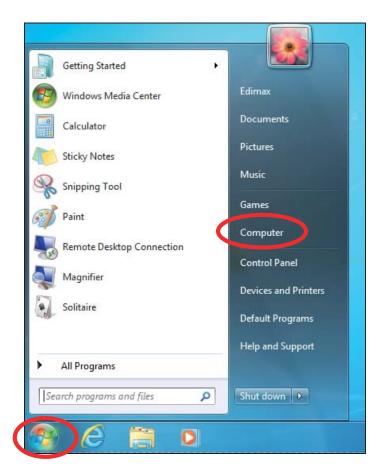
	0/1000 MT Network Conne	ction
		Configure
his connection u	ses the following items:	
	Microsoft Networks	
🗹 📕 QoS Pac		
	Printer Sharing for Microsoft	
	Reference Version & (TCR/ID-	
	Protocol Version 4 (TCP/IPv	
1	er Topology Discovery Man	
Unk-Lay	er Topology Discovery Resp	onder
	Uninstall	Properties
Install	Urintstan	Topenies
	Uninstal	Tiopenea
Description	ontrol Protocol/Internet Prot	

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

/ou can get IP settings assigned a his capability. Otherwise, you nee					
or the appropriate IP settings.					
• Obtain an IP address automa	atically				
- O Use the following IP address					_
ĮP address:		$\left + \right $	- õ	4	
Sybnet mask:		+		2	
Default gateway:		+	- 00		
Obtain DNS server address a Obtain DNS server address a O Use the following DNS server	Constrained and the second				
Preferred DNS server:			172		-
- Alternate DN5 server:					-
410/00/00/00/00/00/00/00/00/00/00/00/00/0		20			-1
				Adv	anced

IV-1-1-3. Windows 7

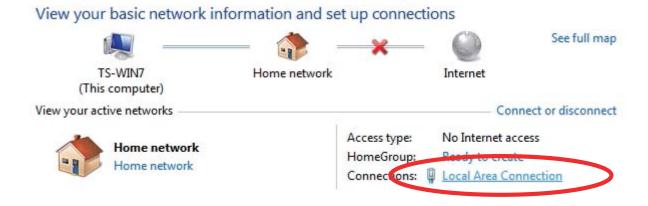
1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".



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



3. Click "Local Area Connection".



4. Click "Properties".

Local Area Connection Status	X
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 RD sable	Diagnose
	Close

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

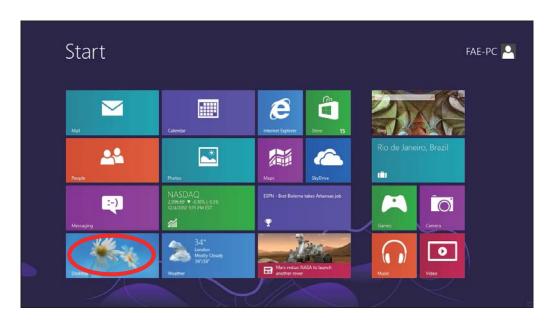
Local Area Connection Properties	<u> </u>
Networking	
Connect using:	
Broadcom 440x 10/100 Integrated Controller	
Configure. This connection uses the following items:	
Link-Layer Topology Discovery Responder Install Uninstall Properties	
Description TCP/IP version 6. The latest version of the internet protocol that provides communication across diverse interconnected networks.	
OK Ca	ncel

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

Internet Protocol Version 4 (TCP/IPv4)	Properties ? 🗴				
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 Obsection following DNS server addresses:				
Preferred DNS server:					
Alternate DNS server:	· · ·				
Validate settings upon exit	Advanced				
	OK Cancel				

IV-1-1-4. Windows 8

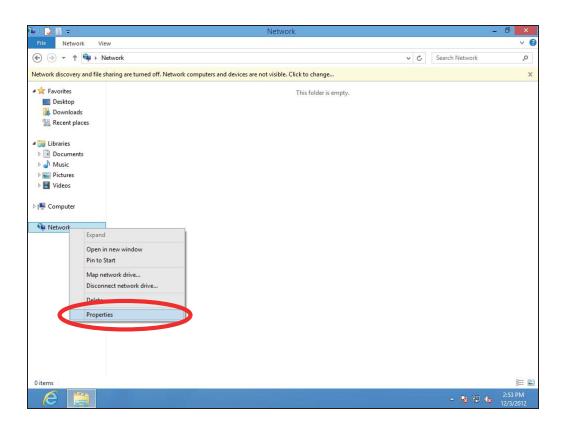
1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your curser to the bottom left of the screen and click.



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



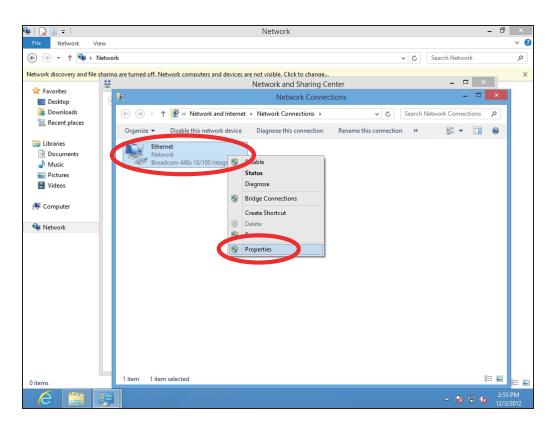
3. Right click "Network" and then select "Properties".



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

🖬 🎝 🚹 =	Library Tools Picture	Tools	Pictures -	
File Home Share	View Manage Man	age		~ ()
(→ ↑ ■) Li	ibraries > Pictures >		✓ 🖒 Search Pictures	Q
🔆 Favorites 🔲 Desktop	8	Network and Sharing C	enter – 🗆 🗙	
Downloads	🛞 🏵 👻 🕇 🕎 « Network	and Internet 🔸 Network and Sharing Center	✓ ♂ Search Control Panel	
💯 Recent places	Control Panel Home	View your basic network informa	ation and set up connections	
🤭 Libraries		View your active networks	-	
Documents	Change adapter settings			
J Music	settings	Network	Access type: Internet	
Pictures	settings	Public network	Connections: 🏺 Ethernet	
Videos				
🖳 Computer		Change your networking settings		
		Set up a new connection or netw		
👊 Network		Set up a broadband, dial-up, or V	/PN connection; or set up a router or access point.	
<u>^</u>		Troubleshoot problems		
			blems, or get troubleshooting information.	
	See also			
	HomeGroup			
	Internet Options			
	Windows Firewall			
	Williaows Filewall			
1 item 1 item selected	Library includes: 2 locations			
8				2:54 PM 12/3/2012

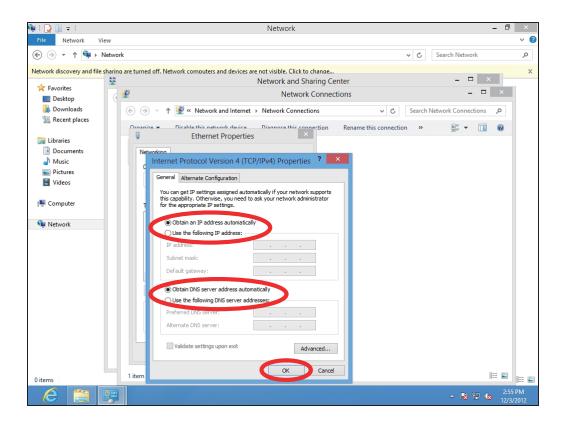
5. Choose your connection and right click, then select "Properties".



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

📬 🔀 🛄 🖛	Network 🗕 🗇	×
File Network View		~ ()
(→ → ↑ ↓ Network	✓ 🖒 Search Network	,p
Network discovery and file sharing are	e turned off. Network computers and devices are not visible. Click to change	x
Favorites	Network and Sharing Center – 🗖 🗙	-
Desktop	Network Connections – 🗖 🗙	
🚺 Downloads 🥡	🗧 🄄 👻 🕆 😰 « Network and Internet → Network Connections 🗸 🗸 Search Network Connections 🔎	
🔛 Recent places	Organize 💌 Disable this network device Diagnose this connection Rename this connection » 🔐 🔻 🥅 🚳	
📜 Libraries	Ethernet Properties	
Documents	Networking	
🚽 Music	Connect using:	
Pictures Videos	Broadcom 440x 10/100 Integrated Controller	
	Configure	
🖳 Computer	This connection uses the following items:	
0	Rie and Printer Sharing for Microsoft Networks	
📬 Network		
	🗹 🔺 Link-Layer Topology Discovery Mapper I/O Driver	
	✓ → Link-Layer Topology Discovery Responder ✓ → Link-Layer Topology Discovery Responder	
	V Internet Protocol Version 4 (TCP/IPv4)	
	Install Uninstall Properties	
	Description Transmission Control Protocol/Internet Protocol. The default	
	wide area network protocol that provides communication across diverse interconnected networks.	
	OK Cancel	
0 items	item 1 item selected 📰 🖽	
	<u></u>	5 PM
	- 🖹 🛱 🕼 😕	3/2012

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

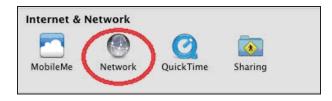


IV-1-1-5. Mac OS

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



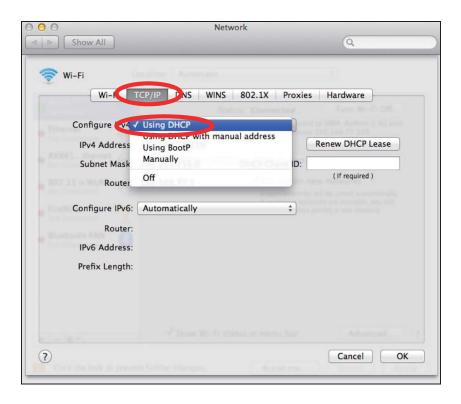
2. In System Preferences, click on "Network".



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

00	Network				
◄ ► Show All			Q		
	Location: Automatic		*		
O Wi-Fi Connected	Status:	Connected	Turn Wi-Fi Off		
Ethernet Not Connected	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Wi-Fi is connected to has the IP address 19	OBM-AirPort-2.4G and 2.168.77.119.		
AX881thernet	Network Name:	OBM-AirPort-2.4	G ‡		
FireWire	\$00)	Ask to join new networks Known networks will be joined automaticall If no known networks are available, you will be asked before joining a new network.			
Not Connected Bluetooth PAN Not Connected	8				
+ - * *	Show Wi-Fi status	in menu bar	Advanced ?		
Click the lock to p	revent further changes.	Assist 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.



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

 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:			
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks 			
Ros Packet Scheddie			
▼ 3 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.			
Show icon in notification area when connected ✓ Notify me 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

 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".

Contraction of the second second second second second second second second second second second second second s	000 MT Network Conr	nection
		Configure
This connection uses	and the second second second second second second second second second second second second second second secon	
Client for Mic		
QoS Packet	Scheduler ter Sharing for Microso	ft Networke
	ocol Version 6 (TCT-/	
	the second second second second second second second second second second second second second second second se	
internet Prot	ocol Version 4 (TCP/II	Pv4)
V - Link Laver T	opology Discovery Ma	pper I/O Driver
V - Link Laver T		pper I/O Driver
V - Link Laver T	opology Discovery Ma	pper I/O Driver
V - Link Laver T	opology Discovery Ma	pper I/O Driver
✓ Sink Layer T ✓ Link-Layer T	opology Discovery Ma opology Discovery Re	pper I/O Driver sponder
✓ State Layer T ✓ Link-Layer T Install Description Transmission Contr	opology Discovery Ma opology Discovery Re	pper I/O Driver sponder Properties otocol. The default

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

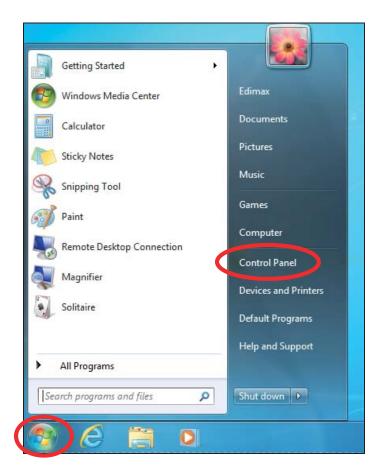
Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

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

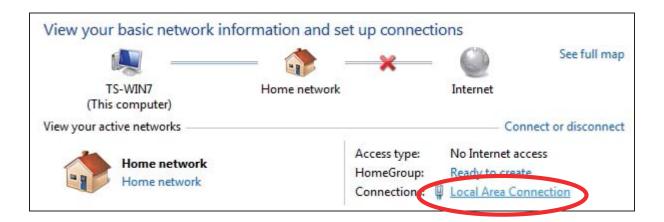
1. Click the "Start" button (it should be located in the lower-left corner of your computer), then click "Control Panel".



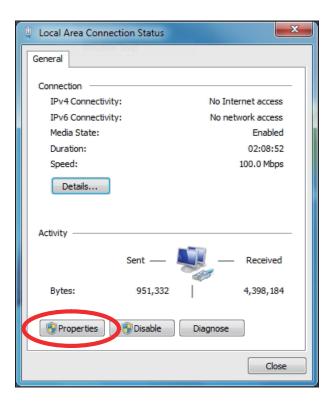
2. Under "Network and Internet" click "View network status and tasks".



3. Click "Local Area Connection".



4. Click "Properties".



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 File and Printer Sharing for Microsoft Networks A Internet Protocol Version 5 (TCP/IPv6) Termet Protocol Version 4 (TCP/IPv4)			
Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder			
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:

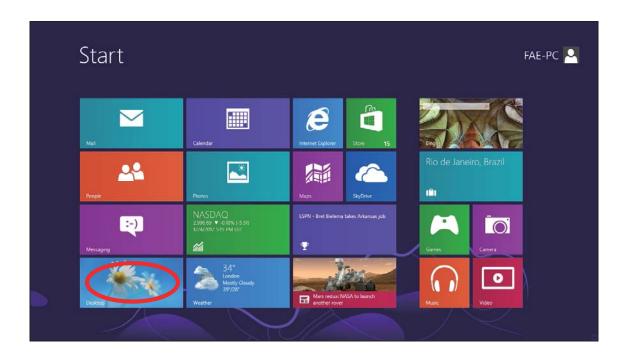
Your existing static IP address will be displayed in the "IP address" field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.

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.



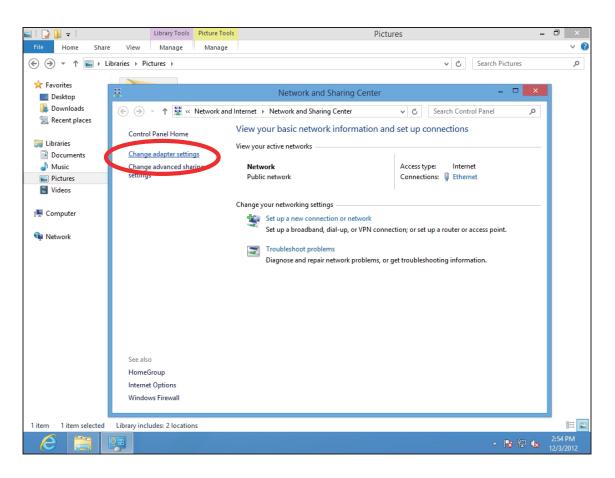
2. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



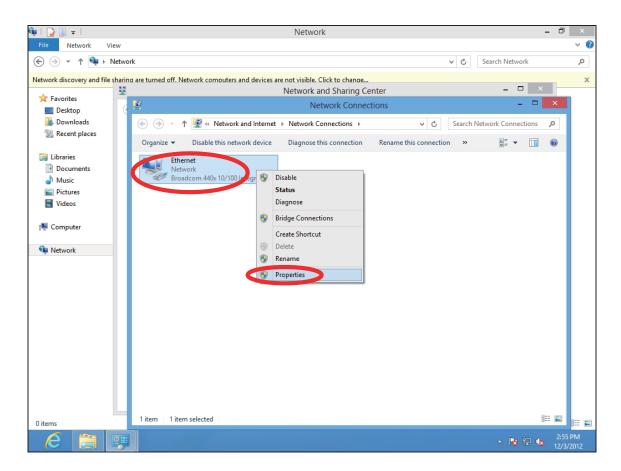
3. Right click "Network" and then select "Properties".

🖷 🍃 📗 = I		Network	- 0	×
File Netwo	ork View			× 0
€ 🦻 ד ↑	🗣 🕨 Network	✓ 🖒 Search Network		,p
Network discover	ry and file sharing are turned off. Netwo	ork computers and devices are not visible. Click to change		x
	laces nts	This folder is empty.		
0 items			2.52	40 0000
		- 🖪 🔛 🗸	2:53 12/3/	

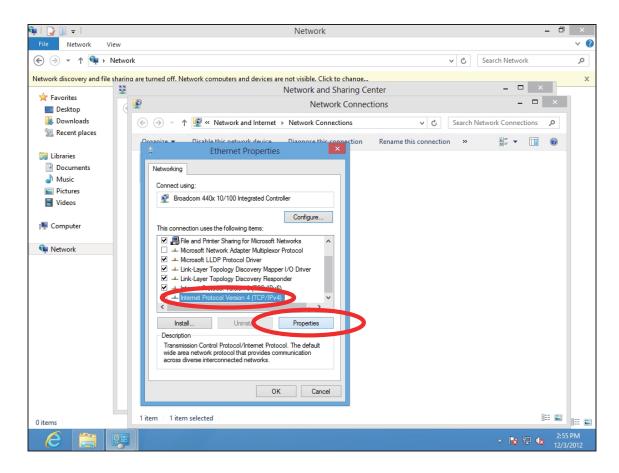
4. In the window that opens, select "Change adapter settings" from the left side.



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

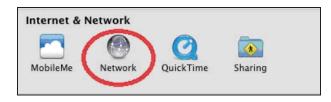
Click 'OK' when finished.

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.

00	Netwo	rk	
◄ ► Show All			٩
	Location: Automatic		\$
O Wi-Fi Connected	Statu	s: Connected	Turn Wi-Fi Off
Ethernet Not Connected	6003	Wi-Fi is connected to has the IP address 19	0 OBM-AirPort-2.4G and 92.168.77.119.
AX881thernet Not Connected	Network Name	e: OBM-AirPort-2.4	4G ‡
e 802.11 n WLAN Not Connected	600		Il be joined automatically.
FireWire Not Connected	¥		ks are available, you will ning a new network.
Bluetooth PAN Not Connected	8		
+ - & .	Show Wi-Fi stat	us 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".

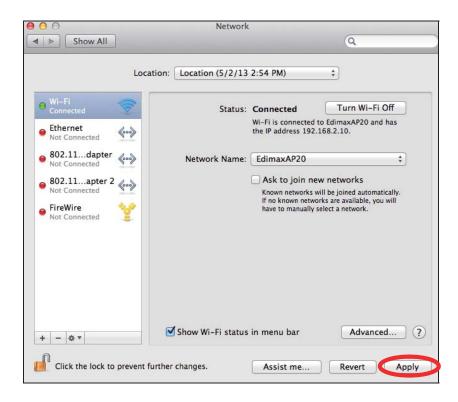
00	Network	
Show All		Q
🤝 Wi-Fi		
Wi-Fi	Using DHCP Using DHCP with manual address Using BootP	oxies Hardware
Configure / v4 v		Constant Constanting of AC and
IPv4 Address	Off	
Subnet Mask:	255.255.255.0	Min-2.46 21
Router:	192.168.77.1	
	Kitoupt	summing will be placed in summing
Configure IPv6:	Automatically	
Router:		
IPv6 Address:		
Prefix Length:		
0		
?		Cancel OK
Control and react an open a	and the second sec	

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".

Show All			Q
Wi-Fi			
Wi-Fi	TCP/IP DNS WINS	802.1X Proxies	Hardware
C C 10.4	(Martin		
Configure IPv4:		÷	
IPv4 Addres	192.168.2.10		
Subnet Mask:	255.255.255.0		
Router	192.168.10.254		
Houter.	192.100.10.294		
Configure IPv6:	Automatically	\$	
Router:			
IPv6 Address:			
Prefix Length:			
			Cancel

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.



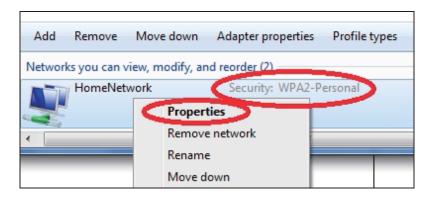
2. Click on "View network status and tasks" which is under the heading "Network and Sharing Center".



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".

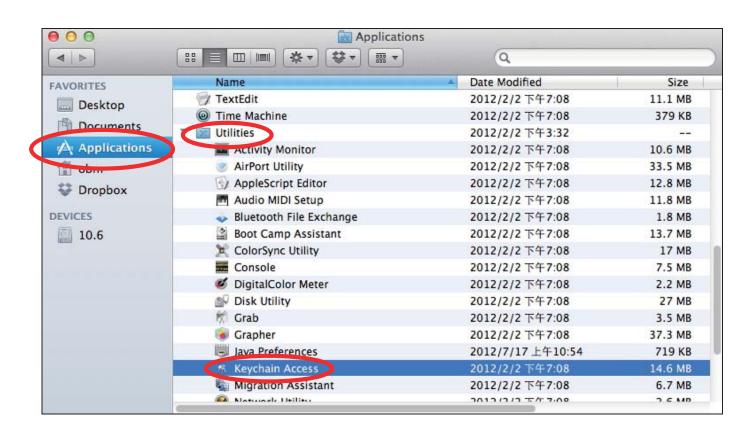


5.Click on the "Security" tab, and then check the box labeled "Show characters". This will show your network security key. Click the "Cancel" button to close the window.

ŀ	HomeNetwork Wireless Network Properties			
	Connection Security			
	Security type:	WPA2-Personal		
	Encryption type:	AES 🔻		
	Network security key	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	login keychain.		Q	
Keychains Cogin Cogin System System Roots	EdimaxWireless Kind: AirPort network pa Account: AirPort Where: com.apple.network Modified: Today, 下午5:	ork.wlan.ssid.EdimaxWireless		
	Name	Kind	Date Modified	Keychain
	Apple ID Authentication	application password	2012/7/17 上午10:16:29	login
	Apple Persistent State Encryption	application password	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	A Angeneganiton	application password	2012/7/17 上午10:16:23	login
Passwords	A Matt	AirPort network password	Today, 下午5:28	login
	A PP-6574-Demo	AirPort network password	2012/7/17 下午2:21:30	login
 My Certificates Keys Certificates 				
1	+ i Copy	8 items		_

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

00	EdimaxWireless
	Attributes Access Control
Name:	EdimaxWireless
Kind:	AirPort network password
Account:	AirPort
Where:	com.apple.network.wlan.ssid.EdimaxWireless
Comments:	
Show password:	ę
	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:	
	Show password:	
	Save Changes	1

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.

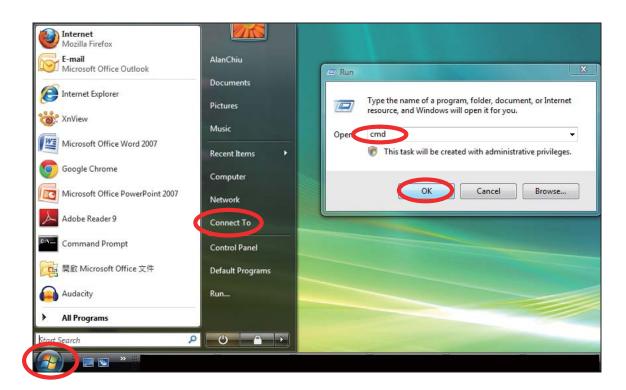
00	EdimaxWireless
	Attributes Access Control
Name:	EdimaxWireless
Kind:	AirPort network password
Account:	AirPort
Where:	com.apple.network.wlan.ssid.EdimaxWireless
Comments:	
Show password:	edimax1234
	Save Changes

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

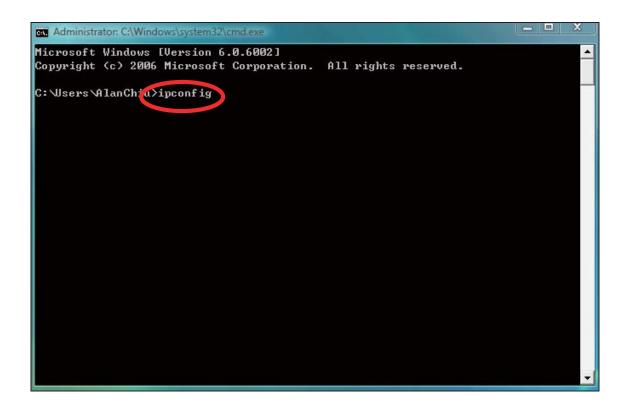
To find your router's IP address, please follow the instructions appropriate for your operating system.

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

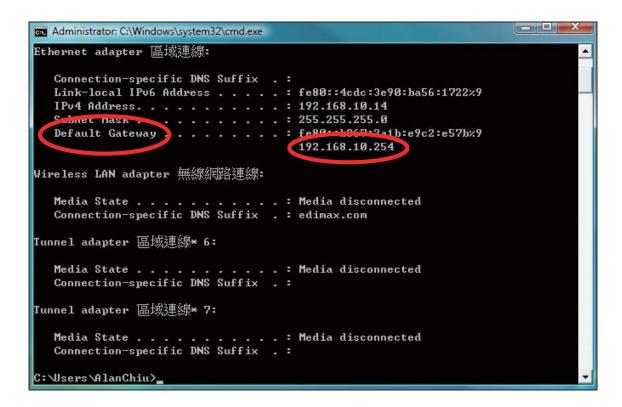
1. Go to "Start", select "Run" and type "cmd", then press Enter or click "OK".



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

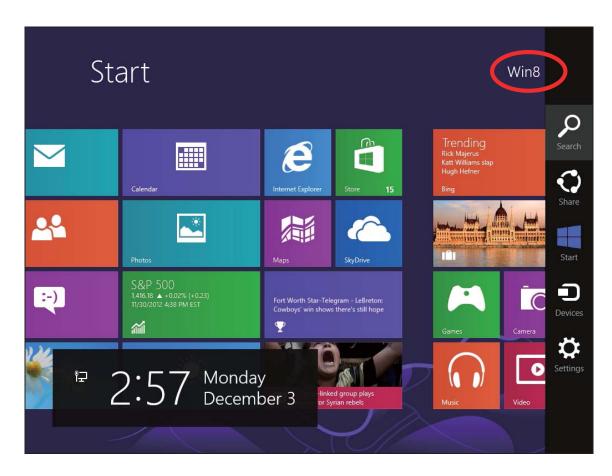


3. Your router's IP address will be displayed next to "Default Gateway".

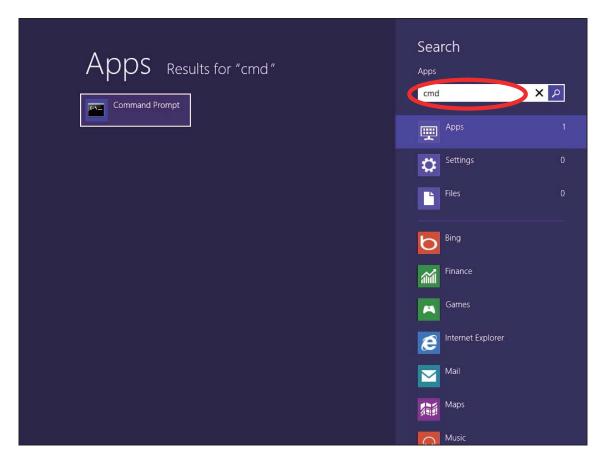


IV-1-4-2. Windows 8

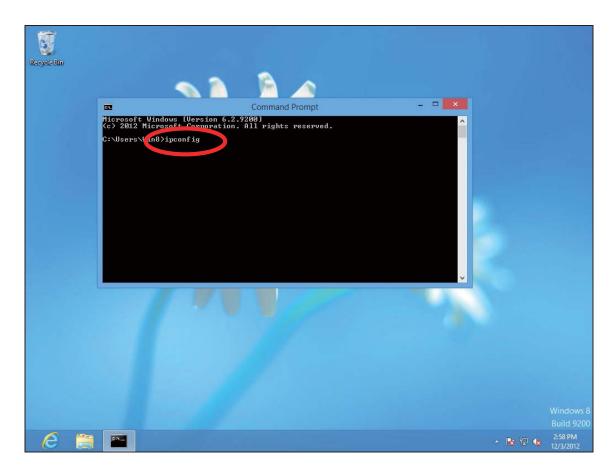
1. From the Windows 8 Start screen, move your curser to the top right corner of the screen to display the Charms bar.



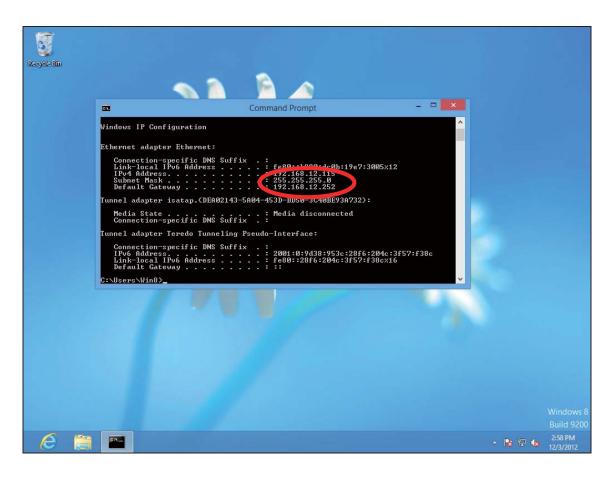
2. Click "Search" and enter "cmd" into the search bar. Click the "Command Prompt" app which be displayed on the left side.



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".

00		Network		
I ► Show All				Q
	Location:	Automatic	\$	
Ethernet Connected FireWire Not Connected		Status:	Connected Ethernet is currently active address 192.168.10.179.	e and has the IP
Not Connected	 <!--</td--><td>Router:</td><td>Manually 192.168.9.20 255.255.255.0 192.168.10.254 192.168.1.12, 192.16</td><td>\$</td>	Router:	Manually 192.168.9.20 255.255.255.0 192.168.10.254 192.168.1.12, 192.16	\$
+ - **				Advanced ?

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

Lo	cation: Automatic	\$
O Wi-Fi Connected	Status: Connected	Turn Wi-Fi Off
Not Connected	Wi-Fi is conne IP address 10	ected to EdimaxHQ and has the .0.20.97.
FireWire Not Connected	Network Name: EdimaxHQ	
USB Neterface		ically join this network
Bluetooth PAN Not Connected	Known netw If no known	in new networks vorks will be joined automatically. networks are available, you will fore joining a new network.
+ - 87	☑ Show Wi-Fi status in menu bar	Advanced

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

0	١	letwork	
▶ Show All			٩
🛜 Wi-Fi	and an I determined		
Wi- i		NS 802.1X Proxie	s Hardware
		Salari Descentinal	Turn Winf) Off
Configure IPv4:	Using DHCP	\$	
IPv4 Address:	10.0.20.97	(Renew DHCP Lease
Subnet Mask	255 255 255.0	DHCP Client ID:	
Router:	10.0.20.254	. Spinning	(If required)
Configure IPv6:	Automatically	\$	
Router:			
IPv6 Address:			
Prefix Length:			
Frenx Length.			
?)			Cancel OK
Christeners in preve			

IV-2. Connecting to a Wi-Fi network

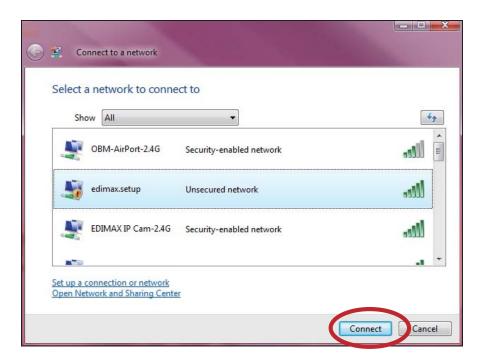
For help connecting to your device's *Edimax.Setup* SSID for initial setup, or to connect to your device's new Wi-Fi network (SSID) after setup is complete, follow the guide below:

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

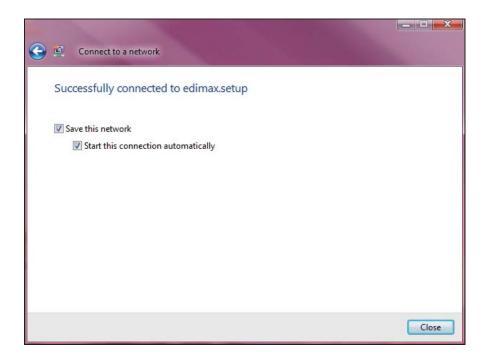
1. Click the network icon (January



2. Search for the SSID of your BR-6288ACL 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-6288ACL's wireless network.



IV-3. Troubleshooting

1. In range extender mode, is my BR-6288ACL dual-band?

a. Yes. The BR-6288ACL can extend 2.4GHz & 5GHz Wi-Fi signals concurrently, but you must connect your BR-6288ACL 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-6288ACL'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-6288ACL 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-6288ACL 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.

EDIMAX		Range Exte	nuei
2.4GH	Iz Wireless Site S	Survey	
Please set a new Wi-Fi network name (S key for your existing wireless network if n		extender if you wish, and set the se	curit
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-6288ACL 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. 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.

5. 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.

6. I forgot my password.

a. Reset the router to its factory default settings and use the default username **admin** and default password **1234**.

7. My BR-6288ACL has a weak wireless signal.

Weak signals are usually caused by interference from other devices or obstacles blocking the BR-6288ACL'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-6288ACL and your wireless network device.

In range extender mode, the BR-6288ACL'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-6288ACL *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-6288ACL. If you are too far away from your existing router, then it is difficult for the BR-6288ACL to receive a wireless signal.

8. A firmware upgrade failed and the BR-6288ACL 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-6288ACL'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 <u>IV-1-2</u>. 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.



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>0000.0000000, and its host ID is, 00000000.0000000000000000111. 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
PPTP	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.



COPYRIGHT

Copyright © Edimax Technology Co., Ltd. all rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission from Edimax Technology Co., Ltd.

Edimax Technology Co., Ltd. makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose. Any software described in this manual is sold or licensed as is. Should the programs prove defective following their purchase, the buyer (and not this company, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software. Edimax Technology Co., Ltd. reserves the right to revise this publication and to make changes from time to time in the contents hereof without the obligation to notify any person of such revision or changes.

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. This equipment is restricted to *indoor* use when operated in the 5.15 to 5.25 GHz frequency range.

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.
	Обладнання відповідає вимогам і умовам директиви 1999/5/ЕС, 2009/125/ЕС.
Slovenčina:	Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.
Deutsch:	Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.
Español:	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:	Este equipamento cumpre os requesitos essênciais da Directiva 1999/5/EC, 2009/125/EC.
Norsk:	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.

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: AC600 Multi-Function Concurrent Dual-Band Wi-Fi Router Model No.: BR-6288ACL

The following European standards for essential requirements have been followed:

Directives 1999/5/EC

Spectrum	:	ETSI EN 300 328 V1.8.1 (2012-06);
		ETSI EN 301 893 V1.7.1 (2012-06)
EMC	:	EN 301 489-1 V1.9.2 (2011-09);
		EN 301 489-17 V2.2.1 (2012-09);
Safety (LVD)	:	IEC 60950-1:2005 (2 nd Edition);Am 1:2009
		EN 60950-1:2006+A11:2009+A1:2010+A12:2011

Recommendation19 99/5/EC

EMF : EN 62311:2008

Directives 2006/95/EC

Safety (LVD) : IEC 60950-1:2005 (2nd Edition);Am 1:2009 EN 60950-1:2006+A11:2009+A1:2010+A12:2011

> Edimax Technology Co., Ltd. No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial Park, New Taipei City, Taiwan

	Date of Signature:	Sep, 2014
$(\in (!))$	Signature:	Alland
	Printed Name:	U Albert Chang
	Printeu Name.	Albert Chang
	Title:	Director
	_	Edimax Technology Co., Ltd.

