

BR-6428nS V5



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I. Product Information

I-1. Package Contents

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



BR-6428nS V5 (5dBi Antenna x 2)



CD-ROM



Power Adapter



Ethernet Cable



Quick Installation Guide

I-2. LED Status



LED	LED Colors	LED Status	Description
WPS		On	Negotiation is in progress through Wi-Fi Protected Setup.
WPS	Green	Quick Flashing	Reset factory settings
		Slow Flashing	WPS in progress
		Off	WPS is disabled or connected.
		On	Device is on.
PWR	Crear	Quick Flashing	Reset factory settings
Ċ	Green	Slow Flashing	Firmware upgrade in process
		Off	Device is off.
		On	WAN port connected.
WAN Ø	Green	Flashing	WAN activity.
89		Off	WAN port not connected.
		On	Wi-Fi wireless activity (transferring/receiving data).
WLAN	Blue	Quick Flashing	Reset factory settings
(Off	Wi-Fi not active.
		On	Ethernet port is connected to a network device.
	Green	Flashing	LAN activity.
		Off	Ethernet port is not connected to a network device.

I-3. Back Panel



BR 6428nS V5 Fixed 5dBi Antenna x 2

I-4. Safety Information

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

- 1. The device is designed for indoor use only; do not place it outdoors.
- 2. Do not place the device in or near hot/humid places, such as a kitchen or bathroom.
- 3. Do not pull any connected cable with force; carefully disconnect it from the BR-6428nS V5.
- 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, dust, corrosive liquids 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.
- 9. Plug this product directly into a wall socket (100-240V[~], 50/60Hz). Do not use an extension cord between this product and the AC power source.
- 10.The Operating temperature is $0^{\circ}C \sim 40^{\circ}C$ ($32^{\circ}F \sim 104^{\circ}F$). The Storage temperature is $-40^{\circ}C \sim 70^{\circ}C$ ($-40^{\circ}F \sim 158^{\circ}F$).

1. Plug the included power adapter into the device's 5V DC power port and the other end into an electrical socket.



2.Ensure that the power LED is lit. If not, the device is not properly connected.



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 log in screen shown below, enter the URL *http://192.168.2.1* and begin the setup process.

NETWORKING FEOFLE TOGETHER	EDIMA	X	Logan V
	NETWORKING PEOPLE TO	ETHER	
User Name admin	User Nerre: a	man -	
Pagewordt	Passvort		

If you cannot access <u>http://192.168.2.1</u>, please make sure your computer is set to use a dynamic IP address. Refer to <u>IV-1</u>. <u>Configuring your IP address</u> for more information.

5.Enter new password, confirmed and click "NEXT' to continue.

Wizard	Wizard Quick Configuration
Set New Passw	ed
	New Paseword
	Confirm Password
	Bank NEVT FXIT

6.Select the mode for your BR-6428nS V5 and click "NEXT" to continue.

Weard	Wizard	Status	Network	Wireless	Advanced	QoS	Tools
0010440	Guese Carely	eration (
Quick Configuration							
	Please select operation mode for Rauter						
	Review Wood convent to ADIL/Cable Workey via WMV part and share Internet to local versions and visial retirem.						
	O WR	WSP Windowsky convect to SP station/company to share internet to local variations and over objects. Or University Resetter: County our control variation county to object to obje					
	Orders at repeater. Count pour existing whetees soverage by relaying choses agric AP. Transform your existing whet rationik to a whetees inductifi						

Wi-Fi Router	The device connects to your modem and enables Internet (wireless and Ethernet) access on your network devices.
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.
Universal Repeater	The device will act as a wireless range extender that will help you to extend your Wi-Fi network. The device acts as a client and AP at the same time. It its client function to connect to a root AP, and uses its AP function to service wireless clients within its coverage.
Access Point	The device connects to an existing router via Ethernet cable and provides Internet (wireless and Ethernet) access for your network devices.

Follow the appropriate instructions for your operating mode:

II-1. Wi-Fi Router Mode

- 1. Connect the **blue** WAN port of your BR-6428nS V5 to the LAN port of your modem using an Ethernet cable, and then log on to <u>http://192.168.2.1</u>.
- **2.** Select "Router" mode and click "NEXT".

Wizard	Wittend	Status	Network	Wreless	Advanced.	QoS	Tools
Guick Configuration	Passa # Roy 0 199 0 499	select operato Re' West con P. Westwork enal Repeate Transform po	n roode for Rood rent to ADEL/Ca ormet to IDP et 1. Execut your et e welding word o	er: ten Michter van W alterfactiget te d offing vitaliset te artwerk Te a vitali	All port and share i une internet to take oringe by remaining out remaining	Name to to Service and Service of the Service of the NEXT	at olemaa and viest ontwok. E olema ratioark. R

3. You can select "Dynamic IP", "Static IP", and "PPPOE" mode.

NETWORKING RECPLE TOGETHER WEDWAR	Wizard Status Network Wireless Advanced QoS Tools Out-Configuration
WAN Settings	Presse select WAN connection type, then enter the network parameters provided by ISP. Connection Type Operation P Operation P Description Description

4. Confirm the configuration details for your wireless network, then click "NEXT" to continue.

Wizard Wiza	ril Clatus Network Wireles	a Advancent Qol5 Too	4	
Wireless Settings				
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	Decority Marie	10992 - Personal	M	
	10PA Appelliers	. ALS O THP O THPARS		
	Pass Prints			
	8			
		Back MART		
		Depart States Parry		

5. Please click "Save" to reboot the device and activate the configuration.

Woard	Wizard Status Network Wireless Advanced GoS Tools	
ilenti	Clubs Configuration	
Congratulation	u	
	You are configuring the device to work as Raudar reach. If you have confirmed writings presse click Save to below the device and activate complication.	74
	(Ast.) (Ast.)	
	£	

6. Please wait a moment until the BR-6428nS V5 is ready.

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	franke byg. – Poesse - vel(147%)	8-1 0-1

- 7. When the setup is complete. *Please close the browser window.*
- **8.**The BR-6428nS V5 is working and ready for use. You can now connect to the device's new SSID. Please refer to <u>IV-2. Connecting to a Wi-Fi network</u> if you require more guidance.

II-2. WISP Mode

- **1.**Please ensure your BR-6478nS V5 is within Wi-Fi range of your WISP network. Log on to <u>http://192.168.2.1</u> to configure your device.
- **2.**Select WISP mode and click "NEXT".

Watert	Witzeld Status Network Witeless Advanced Settings Quils Tools
Gaias Configurate	
	Printed setter I generation much for Nuclear
	Theorem West contrast to ACM, Cance Advances on West part and place transmit to their west of the set of
	C. D. C. M.
	C #* Territory year weiging under rations to a comman harvers.
	C AP Transform you writing start out out to a second rations.
	C AP Transform you wonting what not not to a comman indicate.

3.Click "Site Survey" to scan the wireless signals and connect to desired device.

Waard	Wizerd Blat	us Network Wineles	 Advanced Bett 	inga Goß	Tools	
-	Construction of the local division of the lo					
Renate Settings	1 10 10 10	A				
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		1004045,240	NAME OF OCTOOR OF		WALTERWEE	100
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4.A summary of your wireless configuration will be displayed, as shown below. Check that all of the details are correct and then click "NEXT" to proceed.

Witcent Witcent	Status Nativon Wireles	 Advanced Settings 	105 Tuote	
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Theo or	ees:	802048, 004014	TO BE A	
	(Dates)	DEDUCCIONAL 10	3	
	Texturely Monte	W142-Personal	*	
	Ten There			
		1001 1002		

5.Please click "Save" to reboot the device and activate the configuration.

Wizard	Wizard	Status	Network	Wreless	Advanced Settings	QoS	Tools
	Quick Config	uration					
Congratulations							
	You are congliur	configuring the	e device to work	as WISP mode	If you have confirmed settings,	please click (Save to reboot the device and activate the
					Back Save		

6.Please wait a moment until the BR-6428nS V5 is ready.



- **7.**When the setup is complete, please close the browser window.
- **8.**The BR-6428nS V5 is working and ready for use. You can now connect to the device's new SSID. Please refer to <u>IV-2. Connecting to a Wi-Fi network</u> if you require more guidance.

II-3. Universal Repeater Mode

- **1.** Please ensure your BR-6428nS V5 is within Wi-Fi range of your existing wireless router. Log on to <u>http://192.168.2.1</u> to configure your device.
- **2.** Select Repeater Mode and click "NEXT".

NU PEOPLE TOGE	Witzend
Wizard	Course Companying
wick Configurati	20 20
	Please select operation mode for Router.
	C Rater West served to KDL Cable Mainer of WMI part and share beamarist total oriented and sheet remote
	WHOP Worksay present to IDP endpendentiated to share internet to foral elements and elements WhOP Worksay Repeater Extend your exceeding elements coverage by obaying elements signal
	C AP. Transform your wooking used tomount to a visional tensorie.
	Back NEXT EXT

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

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Acres Labor	-					
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		100 100005,100 1000,100,100 1000,100 1000,100		1 0 0 0 0		
		101 1000(1/1) 1000(1/1) 100 100(1/0) 100(1/0)		-		

- **3.** The device will search for nearby wireless networks to connect to. If you cannot find the access point you wish to connect to, click "Site Survey" to refresh the list of wireless networks. Select the wireless network you wish to connect to, and click "NEXT" to continue.
- **4.** A summary of your wireless configuration will be displayed, as shown below. Check that all of the details are correct and then click "NEXT" to proceed. Click on Support Wireless Roaming to display the existing wireless configuration.

Wizert Oker tark	Insta Instant. Wester	s Atlanced QoS To	ola	
Wireless Settings				
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	Channel	Address	8	
	Densetty Marine	WK2 - Personal	8	
	1074 Appendicus	# 465 O TOP O TOPA455		
	Fiers Pirote			
		dan Inter		
		Records Configuration		

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

5.Please click "Save" to reboot the device and activate the configuration.

Wizard	Wizard	Status	Network	Wreless	Advanced	QoS	Tools
	Cate Cont	guation					
congunation							
	You are	a configure to	a desire to seek	as Universal Res	nester Hunshave	confirmal to	attimes plaque click Spine to return the device and act
	You an congfu	e configuring th ration.	e device to vork	as Universal Rep	peater. If you have	confirmed a	etings please claik Saws to reboot the device and act
	You an congfu	e configuring th zation	e device to vork	as Universal Rep	peaker . If you have	confirmed o	etings please claik Save to reboot the device and act
	You an congfu	e configuring th anatori	e device to vork	as Universal Rep	peaker. Pyro have	continued a	etings please clark Save to reboot the revice and act
	You an songfu	e configuring th aration	e device to vork	as Universal Reg	peaker if you have	Save	etings please clark Save to reboot the revice and act

6.Please wait a moment until the BR-6428nS V5 is ready.

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7. When the setup is complete. *Please close the browser window.*

8.The BR-6428nS V5 is working and ready for use. You can now connect to the device's new SSID. Please refer to <u>IV-2. Connecting to a Wi-Fi network</u> if you require more guidance.

II-4. Access Point Mode

- 1. Connect the yellow LAN port of your BR-6428nS V5 to the LAN port of your existing router using an Ethernet cable, and then log on to <u>http://192.168.2.1.</u>
- **2.** Select "AP" mode and click "NEXT".

	B						
Wizard	Wizard	Status	Network	Wireless	Tools		
	Gine Com	paration					
Quick Configuration							
	Please © Rou © VHS © Ltm # AP	select operatio Mer Volood con P Workening t erroll Repeate Transform you	an mode for Road oant to ADBL/Ca connect to ISP st * Extend your e or existing wind i	er die staarn we k ation/hotipal to s asting wireless o network to a ware	AN poil and share in nam internet to local werage by relaying w est. tertscats	emet to solar were wereas and wreed wereas signal	ts and wepd ontwork setsork

3. Confirm the configuration details for your wireless network, then click "NEXT" to continue.

Warard	Quick Conference	n Network Weeles	is Tools	
Wireless Setta	95			
	This sector is use	d to set weeks paramiters for you	r local network pis remember the Pass Phras	e
		550	EDMAX_OLAAS4	
		Channel	AutoBetect	
		Security Mode	WPA2 - Personal	2
		WPA Algorithms	. ASS O TKP O TKPEAES	

4. Please click "Save" to reboot the device and activate the configuration.

Wizard	Witzent	Status	Network	Wireless	Tools	
1	Ruck Carly	sention				
Congratulational						
1	Youne	corfiguring th	e device to work	as AP mode . If y	cuitave confirmed	I settings please click Save to reboot the device and activate the conglustion
					Back	Earn
					5	

5. Please wait a moment until the BR-6428nS V5 is ready.

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	Raciatry Passa valititi	

- **6.** When the setup is complete. Please close the browser window.
- 7. The BR-6428nS V5 is working and ready for use. You can now connect to the device's new SSID. Please refer to <u>IV-2. Connecting to a Wi-Fi network</u> if you require more guidance.

II-5. WPS Setup

If your wireless device supports WPS (Wi-Fi Protected Setup) then you can use this method to connect to the BR-6428nS V5's Wi-Fi network.

- Press the WPS button on the BR-6428nS V5 for 1 – 3 seconds to activate WPS. The WPS LED will flash for two minutes 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-6. Reset to Factory Default Settings

If you experience problems with your BR-6428nS V5, you can reset the device back to its factory settings. This resets **all** settings back to default.

- **1.** Press and hold the WPS/Reset button found on the back panel for at least 10 seconds, until the power LED begins to flash.
- **2.** Release the button when the power LED is **flashing**.
- **3.** Wait for the BR-6428nS V5 to restart. The BR-6428nS V5 is ready for setup when the power LED displays **on**.

III. Browser Based Configuration Interface

After you have setup the BR-6428nS V5 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 <u>http://192.168.2.1</u> into the URL bar of a browser on a network device connected to the same Wi-Fi network as the BR-6428nS V5.



If you can not access http://192.168.2.1, 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".

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Passvort			

3. Then click on the "Status" tab shown below. Use the top menu to navigate. For more information, refer to following chapters.

EDIMAX	2							
Statua	Witzard	Status	Network	Wreinss	Advanced	QoS	Toola	
System Status		<u> </u>						_
			Canners	ed Cierts	2			
			Parma	w Version	Reule/000H012V00	18001001855	0_00.	
			Ru	ningtime	0mp)i(00.07.06			
			0,0	nen Tine	01-01-2015 The Sk	07.36		
			Opera	tion Made	GATEWAY			
LAN Saba								

III-2. Main Menu

Main menu is consisted of three areas. User can navigate and configure BR-6428nS V5 via the main menu.

Wizert	Without Status	Network Witness	 Advanced Sette 	ign card	Tants	
	Sector Sector					
Gast Configuration		30011007000				
	Plane served specific	e molé for Rouler				
3	B appa constraints	arrest to 107 participance	to always with the first state with	and the second second	an and some families.	
	C Universal Preparate	Alternation of the second second	a result of any of some	the specific		
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	0 Andrews		(jen) (ec.	2	
	0.4		(m) (er.	2	

1	Top menu	User can easily Select functions in the navigation bar menu, Select the results displayed in the configuration section.
2	Configuration zone	Configure and view area.
3	Status	Current status

III-2-1. Commonly used web elements

Common elements	Description
Save	Click "Save" to save the current settings.
Cancel	Click "Cancel" to cancel the changes made.
Release	Click "Release" to release information and data.
Renew	Click "Renew" to update the information.
Refresh	Click "Refresh" to update the information.
Clear	Click "Clear" to clear/erase existing information.
Restart	Click "Restart" to restart the device.
Upgrade	Click "Upgrade" to update the firmware.
Reset	Click "Reset" to reset the device.
Backup	Click "Backup" to back up the router's configurations.
Restore	Click "Restore" to restore the router's configurations.
Ping	Click "Ping" to send ICMP Echo Request to a specified interface on the network and waiting for a reply.
EXIT	Click "Exit" to exit the current screen.

III-2-2. Setup Wizard

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

"Wizard" then click on "Quick Configuration" to begin.

EDIMAX								
Wizard	Wizard	Status	Network	Wireless	Advanced Settings	QoS	Tools	
112.00	Quick Config	puration						
Quick Configuration								
	Please	select operatio	n mode for Rout	84T;				
	O Real	ter Wired conv	ect to ADSU/Ca	ble Modern via W	AN port and share internet to is	cal vireless	and wired network.	
	WIP Whelessily connect to ISP station/hotspot to share internet to local vineless and vined network.							
	Universal Repeater Extend your existing wireless coverage by relaying wireless signal.							
					Back NEXT	1		

Wi-Fi Router	The device connects to your modem and enables Internet (wireless and Ethernet) access on your network devices.
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.
Universal Repeater	The device will act as a wireless range extender that will help you to extend your Wi-Fi network. The device acts as a client and AP at the same time. It its client function to connect to a root AP, and uses its AP function to service wireless clients within its coverage.
Access Point	The device connects to an existing router via Ethernet cable and provides Internet (wireless and Ethernet) access for your network devices.

Switch to Router/AP/Universal Repeater/WISP

- **1.**Follow the on-screen instructions to reset the device back to its factory default settings.
- **2.**Please wait for a few moments before the device is restarted.



3.After the device has reset, the log in page will appear. Enter the log in information to proceed.

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NETWORKING PEOPL	E TOGETHER		
User Name	almit		
Passwort			

4. Follow the on-screen wizard to setup your device in a different mode.

III-2-3. Status



The "Status" page displays basic system information about the device, arranged into four categories: System, LAN, Wireless and WAN.

Status	Wizard Status	Network Wireles	is Advanced Settings	QoS	Tools		
	Status VIIAN						
System Status						 	
		Connected Clients	2				
		Firmware Version	Router300H012v001R001C0185	71_EN			
		Running time	08ay(s)00:39:22				
		System Time	01-01-2015 The 08:39:22				
		Operation Mode	GATEWAY				
LAN Status							
		IP Address	182.168.1.1				
		Subnet Mask	255.255.255.0				
		DHOP Server	Enable				
		LAN MAC Address	00.16 FB 08.44.36				
Wreless Status							
		SSID Name	EDBMAX_CGAA34				
		BSSID	00:16:FB:06:AA:34				
		Channel	AutoSelect				
		Security Mode	WPA2 - Personal				



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

III-2-3-1. System Status

This page displays Connected Clients, Firmware Version, Running Time, System Time and operation mode.

System Status		
	Connected Clients	1
	Firmware Version	Router300H012V001R001C01B571_EN
	Running time	0day(s)00:22:01
	System Time	20-11-2018 Tue 09:25:30
	Operation Mode	GATEWAY

Connected Clients	Displays the number of DHCP clients.		
Firmware Version	Firmware Version.		
Running time	Displays the time duration indicating how long the		
	router has been up since startup. Up time is		
	recounted and renewed upon power off.		
System Time	Current system time on this device. The device		
	automatically synchronizes the system time with		
	Internet time servers.		
Operation Mode	Displays the current operation mode		

III-2-3-2. LAN Status

LAN Status		
	IP Address	192.168.2.1
	Subnet Mask	255.255.255.0
	DHCP Server	Enable
	LAN MAC Address	00:16:FB:C6:AA:36

IP Address	The Router's LAN IP Address (not your PC's IP address).
Subnet Mask	The Router's LAN subnet mask.
DHCP Server	The status of DHCP server.
LAN MAC Address	The router's physical address.

III-2-3-3. Wireless Status

Wireless Status		
	SSID Name	edimax_24G_24G_34
	BSSID	00:16:FB:C6:AA:34
	Channel	AutoSelect
	Security Mode	Disable

SSID Name	The name of Wireless.	
SSID	The MAC Address of Wireless.	
Channel	The Channel of Wireless.	
Security Mode	Encryption schemes.	

III-2-3-4. WAN Status

WAN Status		
	Connection Type	Dynamic IP
	Connection Status	Disconnect
	WAN MAC Address	00:16:FB:06:AA:37
	WAN IP	0.0.0.0
	Subnet Mask	0.0.0.0
	Gateway	0.0.0.0
	Primary DNS Server	0.0.0.0
	Secondary DNS Server	0.0.0.0
	Connection Duration	0day(s)00:00:00
		Release

Connection Type	It displays the current access mode of WAN port.		
Connection Status	The network connection status.		
WAN MAC Address	MAC address of your ISP's router to see.		
WAN IP	IP address obtained from ISP.		
Subnet Mask	Obtained from ISP.		
Gateway	Obtained from ISP.		
Primary DNS Server	Obtained from ISP.		
Secondary DNS Server	Obtained from ISP.		
Connection Duration	Access method for dynamic IP or PPPOE server and		
	router and ISP connection is properly timed.		

III-3. Network

Click "Network" to enter the Network setup web page, in this page you can set "WAN", "WAN Speed", "MAC Cloning", "DNS Settings", "WAN Security", "LAN Settings", "DHCP" and "Address Reservation".

III-3-1. WAN Settings

WAN Settings configure the Internet access and support Static IP mode, Dynamic IP (DHCP), PPPOE, L2TP and PPTP.

III-3-1-1. WAN Settings- Dynamic IP

Click "Network", select "WAN", then elect Connection Type to "Dynamic IP" and finally click "Save" to confirm.

TDIMAY	
HETWORKING PEOPLE TOGETHER	Wizard Status Network Wireless Advanced Settings QoS Tools
Network	IVAN WAN Speed MAC Cloning DNS Settings WAN Security LAN Settings DHCP Address Reservation
WAN Settings	
	Connection Type Dynamic IP =
	MTU 1000 (Default 1500)
	Save Cancel
onnection Type	It displays the routers mode.
	Maximum Transmission Unit. It is the size of the
ITU	largest data packet that can be sent over the
	network. The default value is 1500.

III-3-1-2. WAN Settings- Static IP

Click "Network", Select "WAN", Select Connection Type "Static IP". Then enter IP, Subnet Mask, Gateway, MTU and DNS. Finally, click "Save" to confirm.

EDIMAX		
Network	Wizard Status Network Wireless	Advanced Settings QoS Tools
	WAN WAN Speed MAC Cloning DNS	Settings VIAN Security LAN Settings DHCP Address Reservation
WAN Settings		
	Connection Type	Static IP *
	IP Address	0.0.0
	Subnet Mask	0.0.0
	Gabevay	0000
	Primary DNS Server	0.0.0
	Secondary DNS Server	0.0.0
	MTU	1500
		(Default 1500)
		Save Cancel

Connection Type	Specify a connection type:
	Static IP mode, Dynamic IP (DHCP), PPPOE, L2TP or
IP Address	Input the IP address assigned by your ISP here.
Subnet Mask	Input the subnet mask assigned by your ISP here.
Gateway	Input the default gateway assigned by your ISP
	here. Some ISPs may call this "Default Route".
Primary DNS Server	Obtained from ISP.
Secondary DNS	Obtained from ISP.
Server	
MTU	Enter the maximum transmission unit (MTU) value
	of your network connection. The default value is
	1400.

III-3-1-3. WAN Settings- PPPOE

Click "Network", select "WAN", then select Connection Type "PPPOE". Enter the ISP login User Name and the ISP login Password. Finally, click "Save" to confirm. To confirm the configuration details, click "System Status" > "WAN Status".

EDIMAX		- 21			
Network	Weard Status Ne	Ac Charles	Advanced Settings	Goli Toola	Address Reservation 1
WAN Setings					
		Connection Type	PEPOE		
		UseToane	La contra		
		Passiont	Law and the second		
		Mtu	1402 (Selautz Teltz)		
		Danies Name			
			See Cover		

Connection Type	Specify a connection type: Static IP mode, Dynamic IP (DHCP), PPPOE, L2TP or PPTP
User Name	Input the user name assigned by your ISP here.
Password	Input the password assigned by your ISP here.
MTU	Enter the maximum transmission unit (MTU) value of your network connection. The default value is 1492.
Service Name	Enter the host name of your computer here If required.
III-3-1-4. WAN Settings- PPTP

Select "PPTP" if your ISP is providing you Internet access via PPTP (Point-to-Point Tunneling Protocol).

Click "Network", select "WAN", then select Connection Type "PPTP". Enter the PPTP Server, User name, Password, Address Mode and MTU. Finally, click "Save" to confirm.

EDIMAX			
Network	Wigend Statue Network Wireles	a Advanced Settings	CoS Tools LAttest Reservation
WAN Settings			Contraction in the second s
	Connection Type	-	
	PERTY Decem	80.04	
	Lawform	WORK .	
	Passant		
	Automa Mode	Dyname.	*
	MTU	1400 (Default 1400)	
	LEPE	₩ tratie	
		Sec. Cato	c

PPTP Server	Input the PPTP gateway assigned by your ISP here.
User Name	Input the user name assigned by your ISP here.
Password	Input the password assigned by your ISP here.
MTU	Enter the maximum transmission unit (MTU) value
	of your network connection. The default value is
	1400.
Connection Type	Specify a connection type:
	Static IP mode, Dynamic IP (DHCP), PPPOE, L2TP or
	РРТР
Address Mode	Specify the dynamic or static address mode
MPPE	MPPE provides data security for the PPTP
	connection that is between the VPN client and the
	VPN server.

III-3-1-5. WAN Settings- L2TP

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

Click "Network", select "WAN", then select Connection Type "L2TP". Enter the L2TP Server, User name, Password, Address Mode and MTU. Finally, click "Save" to confirm.

Network	Wizard Status	Network Wireless	Advanced Settings	QoS Tools	
	WAN Speed	MAC Cloning DNS :	Settings WAN Security	LAN Settings DHCP	Address Reservation
WAN Settings					
		Connection Type	L2TP	•	
		L2TP Server	0.0.0		
		UserName	Etp_user		
		Password	••••		
		Address Mode	Dynamic	•	
		MTU	1400		
			(Default 1400)		
			Save Carcel		

Connection Type	Specify a connection type: Static IP mode, Dynamic IP (DHCP), PPPOE, L2TP or PPTP
L2TP Server	Input the L2TP gateway assigned by your ISP here.
UserName	Input the user name assigned by your ISP here.
Password	Input the password assigned by your ISP here.
Address Mode	Specify the dynamic or static address mode
MTU	Enter the maximum transmission unit (MTU) value
	of your network connection. The default value is
	1400.

III-3-2. WAN Speed

Click "Network", select "WAN Speed", then select Speed Mode type. Finally, click "Save" to confirm.

EDIMA	
Network	Wizzard Status Network Wireless Advanced Settings QoS Tools WAV WAV Speed MAC Cloning CNS Settings WAN Security LAN Settings CHCP Address Reservation
WAN Speed	q
	Append in market Append in market Appendix Appen

Speed Mode	Set the value to match with the status. Modes include Auto, 10M half-duplex, 10M full-duplex,
	100M half-duplex, 100M full-duplex

III-3-3. MAC Cloning

Some ISPs (Internet Service Providers) require end-user's MAC address to access their network. This feature copies your current PC's MAC address to the router.

Click "Network", then "MAC Cloning". You can set this page from three methods :

1. To Restore to Factory Default MAC

- a.Click "Restore to factory Default MAC"
- b.Click Save to save your settings.
- 2. To clone the MAC address of the computer that you are now using to the router
- a.Click Clone My PC's MAC Address.
- b.Click Save to save your settings.

3.To manually enter the MAC address allowed by your ISP:

a.Enter the MAC address allowed by your ISP.

b.Click Save to save your settings.

Network	Widerti 3	tetua Network	Whetees	Advanced Setting	a QaS 1	stelle .	
		tere	(DELING	with light the	C CARDonald	Annu h	secult 1
MAC Cloning							
		. 100		1079-DEALT			
			Dening (AND IN FACTORY Dormal	Over MIC		
				1000			

MAC Address	The computer or broadband modem authorized by your ISP.
Restore to Factory	Reset the router's WAN MAC to factory default.
Default MAC	
Clone MAC	copies the MAC address of the computer that you
	are now using to the router

III-3-4. DNS Settings

	x
Network	Wizard Status Network Wireless Advanced Settings QoS Tools
	TRAN WAN Speed MAC Cloning CHG Settings TRAN Security LAN Settings CHCP Address Reservation
ONS Settings	
	DNS Settings Enable
	Save Cancel

III-3-5. WAN Security

Netvark	Wizard Status Network Wireless Advanced Settings QoS Tools IMM WAX Speed MAC Caving DNIS beforgs WAX Speed LAX Settings DHCP Address Reservation
WAN Security	
	Fireval Control Control
	VPN
	PPTP Pasaferough 🕷 Enable 🔾 Disable
	L3TP Passffrough Enable Disable Pilec Passffrough Enable Disable
	ALG
	FTP ALG FTP ALG
	Save Cancel

SPI firewall	Enable or disable the stateful packet inspection (SPI)
	firewall.
VPN	Supports enable/disable PPTP passthrough, L2TP
	passthrough and IPSec Passthrough
ALG	Application Layer Gateway (ALG) is a network
	security gateway which supports specific network
	applications such as gaming and instant messaging.
	ALG enables these applications to communicate with
	their server.
	Supports enable/disable FTP ALG and TFTP ALG

III-3-6. LAN Settings

This page is to configure the basic parameters for LAN ports. This IP address is to be used to access the device's settings through a web browser. Be sure to make a note of any changes you apply to this page.

Click "Network", select "LAN Settings". Enter IP Address, Subnet Mask. Then click "Save" and wait for the router reboot automatically.

Network.	ant Status	Metwork: Witelast	a Advanced Settings	QoS Tests	- Automation I
LAN Settings		Section 2 line	densial [®] Statement/S	Concession Proto	
		INC Abbene	10110/P0101A4-58		
		ir Adres	102 Mill 3 1		
		Support Mark	201.241.218.0		
			(Sec.) (Dece	i i	
				÷.	

MAC Address	Displays the Router's LAN MAC address.		
IP Address	Displays the Router's LAN IP address.		
Subnet Mask	Displays the Router's LAN subnet mask.		



The router's LAN IP address and WAN IP address cannot be on the same IP segment. If not, the router will not be able to access Internet.

Be sure to make a note of any changes you apply to this page. If you change the LAN IP address of the router, you have to open a new connection to the new IP address and log in again. Also, you have to set the default gateway addresses of all LAN PCs to this new IP address.

III-3-7. DHCP

DHCP (Dynamic Host Configuration Protocol) is a protocol used to provide quick, automatic, and central management for the distribution of IP addresses within a network.

DHCP is also used to configure the proper subnet mask, default gateway, and DNS server information on the device. Click "Network" and select "DHCP".

	R Minard Datus Velant Windows Advanced Settings Opt. Tests
Network	WAN Speed MAC Cluring DNS Settings WAN Security LAN Settings D1CP Address Reservation
DHCP Server	DHCP R builte
	Blart IP Address 192.168.2 2
	Lease Time One day ·
	Save: Cancel

DHCP Server	Select whether enable or disable the DHCP server
	feature.
Start IP Address	Part of the same IP address subnet as the router's
	LAN IP address.
End IP Address	Part of the same IP address subnet as the router's
	LAN IP address.
Lesse Time	The length of the IP address lease before it is
	refreshed.

III-3-8. Address Reservation

This function allows you to learn whether there are unauthorized accesses by viewing the client list. Also, you can specify a reserved IP address for a PC in the LAN. That PC will always receive the same IP address each time when it accesses the DHCP server. Reserved IP addresses could be assigned to servers that require permanent IP settings.

Click "Network" and select "Address Reservation". Enter the IP Address and MAC Address. Click "Add" add to the DHCP list, click "Save" to save your settings, then click "Refresh" to update the related DHCP client information.

Network	zard Status	Network Wirele	iss Advanced S	tings QoS Tools	
W44	N ISAN Speed	MAC Cloning DA	NS Settings WAN S	curity LAN Settings DHCP	Address Reservation
Address Reservation		IP Address	992.996.2.		8
	NO.	IP Address	MAC Add	IP-MAC bind	Delete
				Refer	a
	Host	Kame	IP Address	MAC Address	Lease
	Jochar	ganez	192.165.2.2	A4.1F.72.57.57.9E	21:16:01
			Save	Carcel	

III-4. Wireless

The "Wireless" menu allows you to configure SSID and security settings for your Wi-Fi network along with a guest Wi-Fi network. Click "Wireless" to enter the configure page, here you can configure "Wireless Settings", "Wireless Security", "Multi SSID", "WPS Settings", "Wireless MAC Filtering", "Wireless Statistics".

III-4-1. Wireless Settings

Click "Wireless", select "Basic Settings". Then enable Wireless, select Network Mode. Enter SSID name, select "Channel" and select "Channel BandWidth".

	Wizard Status Network Wireles	Advanced Settings QoS Tool	
	Weekeen Security Multi St	HD WPS Settings Windows MAC Fillening	Weekess Statistics
Basic Sottings			
	Wieless	2 Enable	
	Network lilode	Automatic (802.115 gin)	•
	890	edinax,340,240,34	
	Broadcast(SSID)	Enable Disable	
	DISSE	00.16/TE/CEAA.34	
	Channel	AutoSelect	•
	Channel BandWidth	○ 20 ★ 2040	
	Extension Channel	Aato	
	TX. Power	# High ⊖ Medium ⊖ Low	
	WMM Capable	O Enable Boable	
	APSD Capable	 Enable	
		Save Careel	

Wireless	Enable/Disable wireless connection				
Network Mode	 Select a correct mode according to your wireless clients. 11b: This network mode delivers wireless speed up to 11Mbps and is only compatible with 11b wireless clients. 11g: This network mode delivers wireless speed up to 54Mbps and is only compatible with 11g wireless clients. 11b/g mixed: This network mode delivers wireless speed up to 54Mbps and is compatible with 11b/g wireless clients. 11b/g mixed: This network mode delivers wireless speed up to 54Mbps and is compatible with 11b/g wireless clients. 11b/g/n mixed: This network mode delivers wireless speed up to 300Mbps and is compatible with 11b/g/n wireless clients 				
SSID	The unique name of the wireless network and can be modified				
Broadcast (SSID)	Select "Enable" to enable the router' SSID to be scanned by wireless devices. The default is enabled If you disable it, the wireless devices must know th SSID for communication.				

BSSID	The MAC address of the device's wireless interface.					
Channel	The currently used channel by the router. Select an effective channel of the wireless network. The default is AutoSelect.					
Channel Bandwidth	Select an appropriate channel bandwidth to enhance the wireless performance. Select 20/40M when the network has 11b/g/n to promote its throughput.					
Extension Channel	The extension channel can either be "above" or "below" the control channel, if you feel you are not getting appropriate throughput, you may check specific extension channels for improvements.					
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 Capable	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.					
APSD Capable	Automatic Power Save Delivery (APSD) enable/Disable the use of auto power-saved service					



It is advisable to only change the SSID (name of the network) and channel and leave other items unchanged.

III-4-2. Wireless Security

The wireless security function can prevent others from connecting to your wireless network and using the network resources without your consent. Meanwhile, you can also block illegal users from intercepting or intruding your wireless network. Click "Wireless", Select "Wireless Security" and choose security modes, Disable, WPA2 – Personal and Mixed WPA/WPA2 – Personal.

Windows	Wizard Status Network Wite	Advanced S	lettings QoS To	Ns
. HILDESS	Winning Communities and Add	1300 Ves Setting	Winness WAS Filming	Winters Statutus
Wireless Security				
	Security Mon	Deatre		*
			-	
		Barr.	Carrier	

Disable	Disable this function.
WPA2 – Personal	Support AES, TKIP and TKIP+AES cipher types.
Mixed WPA/WPA2 –	Both WPA-Personal and WPA2-Personal secured
Personal	wireless clients can join your wireless network.

III-4-3. Multi SSID

	i
Wireless	Wizard Status Network Wireless Advanced Settings QoS Tools
	Wireless Settings Wireless Security Multi SSID WPS Settings Wireless MAC Filtering Wireless Statistics
Multi SSID	
	Mutti SSID 🗌 Enable
	Save Cancel

Multi SSID	Enable/ Disable multiple wireless networks to				
	provide different security and VLAN groups.				

III-4-4. WPS Settings

Click "Wireless", Select "WPS Settings"

			1					
Wireless	Winard	Status	Network	Wireless	Advanced 5	Settings Qo	S Toots	
	Weeks Det	trips W	www.Geountly	Multi SDID	WPESHby	Workson M	AC Filering	Weekeek Dathctics
WPS Config								
				SIO Name ad	inau_240_240_3	н.		
			1ee	unty Mode Di	untrin			
					PBC	Resel COE		

ResetOOB	The router wireless SSID and safe mode are restored to default mode. Use WPS to reset the SSID, Encryption and password, after the completion of the reset, the router's SSID is in factory default setting and safe mode is unencrypted.
PBC SSID Name	Using routers and physical or logical button on a wireless device to connect WPS. Name of SSID.
Security Mode	Displays the security mode selected.

III-4-5. Wireless MAC Filtering

This function permits or forbids specified clients to access the wireless network based on MAC Address. If a device which is not on the list of permitted MAC addresses attempts to connect to the BR-6428nS V5, it will be denied.

	X THER
Wireless	Wizard Status Network Wireless Advanced Settings QoS Tools
	Wireless Settings Wireless Security Multi SSID WPS Settings Wireless MAC Filtering Wireless Statistics
Wireless MAC Filter	ng
	Filtering Rules Off -
	Save Cancel
tering Rules	 Select "Off" to allow all wireless clients to join your wireless network.
	 Select "Allow" allow ONLY the specified wireless network

• Select "Block" block ONLY the specified wireless clients to join your wireless network.



III-4-6. Wireless Statistics

This page shows the current wireless access list Click "Refresh" to update.

DIMAX DEXING PEOPLE TOGETHER	Witzerd Status Network	Wrelese Advanced Set	ings GoS Tools
And the second s	Weine Settings Weiner Security	Matt 2010 WPE Settings	Warring MAC Educate Transmission
Winniens Statistics -	Current Western Dation Lat. States	-	
	NO.	нас	Bandwaldh

No. Number of connected wireless clients			
MAC	MAC address		
Bandwidth	The channel bandwidth instead of wireless connection rate.		
Refresh	Refresh the current wireless station list		

III-5. Advanced Settings

Click "Advanced Settings" to enter the configure page, here you can configure "URL Filtering", "Virtual Server", "DMZ", "DDNZ", "Remote Management", "WAN Ping", "Static Routing" and "Routing Table".

III-5-1. URL Filtering

This function sets URL filtering access. If you want to enable this function, please activate the checkbox. Select one policy from the drop-down menu and enter a policy name in the field. Of course, you can set the access restriction in details (e.g. the fixed IP range, URL, times and days). Note: When time is 0:0~0:0, it express 24 hours. Click "Advanced Settings", then "URL Filtering" to configure this function.

Vovanced Settings	Wizerd Status Networ	k Wrotess Adva	inced Settings	ioS Toola		
	all from Vost Sever	DVE DDVD Ref	nda Vanagement)	Wei Fing Date Ro.	ang Route	Tatle
URL Filling						
		fitning Setting				
		10	Save Carvel			
How List						

Filering Settings	Enable/Disable the filtering rules
Policy Name	Enter a name for rule for reference/identification.
Access Policy	Up to 10 filter rules can be configured
IP Range	Enter the start and End IP address
URL String	Enter the URL or keyword to be blocked.
Time Specify the blocking time, it is expressed in 24	
	hours.
Day(s)	Specify which day of the week or everyday.

URL Filter Application Example:

To prevent your home PC (192.168.1.100) from accessing "YouTube" from 8:00 to 18:00 during working days: Monday- Friday.

- **1.** Enter a Policy Name
- **2.** Enter the Start IP and End IP here for example:192.168.1.100
- **3.** Enter part of or the entire domain name of the web site you wish to restrict. Separate different domain names or domain name key words with a comma, for example, "YouTube, Hollywood.com"
- **4.** Select time and day
- **5.** Click "Save" to save your settings.

URL Filtering	100 100 100 100 100	n inner Steagenet withing State	Hump Restrictions
	Process licency Access Party Direct Party Party Neuron Care of Care of Care of Taine	2 Come N	
Nov Lat		Chevrey Ofer Ofer Ofer Ofer Ofer	Dar Dae

III-5-2. Virtual Server

You want to share resources on your PC with your friends who are not in your LAN. But, by default, the router's firewall blocks inbound traffic from the Internet to your computers except replies to your outbound traffic. You can use the Port Forwarding feature to create exceptions to this rule so that your friends can access these files from external networks.

When accessing your PC from Internet, type "protocol://xxx.xxx.xxx.xxx.port number" into your browser's address or location field. The protocol and port are the ones used by the service and "xxx.xxx.xxx.xxx" is the WAN IP address of your router. For example, a FTP server uses the ftp protocol and 21 (standard port number). Click "Advanced Settings" and select "Virtual Server" to access this feature.

Vitual Server	International Contemporation	av [a	an here here are	non ing	n j nang	tane
		Not Part Grie Part	To IP Address	Pressent	Even	Datasa
	<u>*</u> (1000	101108.2	309 ·	9	
	2	The states	102.146.2	107 +	0	
	8	1.11	102.106.0	70P +		
		1 1 1	102.100.0	10° -	-12	
		1.1.1	10.18.2	TOP: C.W.		
	6	THE REAL PROPERTY.	100100-0	Y0P (+)	0	
		(and account)	and the latent	Lans -		

ID	Number of connected devices
Start Port–End Port	Enter the start/end port number which ranges the External ports used to set the server or Internet applications. Here in this example, enter 21.
To IP address	Enter the IP address of the PC where you want to set the applications. Here in this example, enter 192.168.1.100.
Protocol	Select the protocol (TCP/UDP/Both) for the application.
Enable	Enable the connection
Disable	Disable the connection

If your WAN IP address is 192.168.1.100 when accessing your FTP server from external network, your friends only need to enter <u>ftp:// 192.168.1.100:21</u> in their browsers.

III-5-3. 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.

Advanced Settings	Wizard	Status	Network	Wireless	Advanced Settings	QeS	Tools		
DM2 Host	URL Filtering	Vetual	Gerver DM	2 DONS	Rende Management	WWN Pin	g Static Routing	Routing Table	
			DMZ Host	Chable	Save Cancel				

Enable DM7	Check/uncheck the box to enable/disable the				
	device's DMZ Host function.				

III-5-4. 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.

NETWORKING PEOPLE SOCIETHER Advanced Settings	Wilzard Status Network Wineless Advanced Settings QoS Tools URL Pitraing Valual Server DAV2 DDNS Remote Management WAV Pag State Routing Routing Table
DDNS -	DONS Service Enable
	Save

Enable	Check off to enable or disable DDNS Service

Click "Advanced Settings", Select "DDNS", Select "Enable", Add "Serve provider". Then enter the "User name" and "Password", enter "Domain Name" and finally Click "Save" to confirm.

ΣDİMAX					
Advanced Settings	Wizard Status Network	Wireless	Advanced Settings	QoS Tools	
	URL Filtering Virtual Server DHA	Z DONS	Rende Management	WAN Ping Static	Routing Routing Table
DONS					
	DOM	5 Service 🔓	Enable		
	Service	Provider	DynDNS.com		Register
	UI UI	ser Name			
	,	Password			
	Dom	an Name			
			Save Cancel		

DDNS Service	Click the button to enable or disable the DDNS
BBNS SCIVICE	service.

Service provider	Select one from the drop-down list and click					
	"Sign up" for registration.					
Username	Enter the username that you use to register					
Osername	from the DDNS provider.					
Password	Enter the password that you use to register					
	from the DDNS provider.					
Domain name	Enter the effective registered domain name.					

The following DDNS services are supported:

3322	http://www.3322.org
DHS	http://www.dhs.org
DynDNS	http://www.dyndns.org
88 IP	http://www.88ip.cn/

III-5-5. Remote Management

This section is to allow the network administrator to manage the router remotely. If you want to access the router remotely, please select "Enable".

Advanced Settings	Witzerd Status Network V	Winkess Advanced Settings	Goß Tools
10 172	In real View Dever	CINE	www.reg star.to.mg some time
Remote Management			
	Manag	eestteate	
		Plat 0000 (700 x 400 70)	
		Anne Carrot	

Port	The management port to be open to outside access.
Management	Check "Enable" to enable the remote access feature
	and then enter the appropriate values.

For better security, configure a port number (between 1024-65535) as remote web management interface, do not use the number of any common service port (1-1024).

dvanced Settings	Wizard	Status	Network	Wreless	Advanced Setting	a QoS	Tools		
	URL Fillering	Virtual Se	NET DEG	Z DONS	Remote Manageme	nt WAN Ping	Static Routing	Routing Table	
Remote Management									
			Mart	apernent 😡	Enable				
				Port	6060 (1024-6553	5)			
					Save Ca	ncel			

Remote Web Management Application Example:

To access your router (WAN IP address: 172.16.87.160) at your home from the PC (210.16.87.154) at your office via the port number 6060.

Set Steps:

- **1.** Management "Enable".
- **2.** Enter the Port: 6060.
- **3.** Click "Save" to save your settings.

In the PC 210.16.87.154 Type "<u>http:// 172.16.87.160:6060</u>" into your browser's address or location field and you can access the router at your home remotely.

III-5-6. WAN Ping

The ping test is to check the status of your internet connection. When disabling the test, the system would prevent the ping test from WAN.

Select the "Advanced Settings", Select the "WAN Ping" then select the "Enable".

Advanced Settings	Wizard	Status	Network	Wireless	Advanced Settings	QoS	Tools	
	URL Filtering	Virtual	Server D	NZ DONS	Remote Management	WAN Pin	Static Routing	Routing Table
WAN Ping								
			Ignore the Ping	from VIAN	Endole			
					Save Cancel			

Fnahle	Check off to enable/disable and the router will not					
	answer ping requests from the Internet.					

III-5-7. 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 on this page.

variced Settings	wether	Same N	diversion.	ALCOND.	ASMERCOSESED	unit disc	TOORS	The Party New York	-
	Der une of	With Des	e 100	0045	Randa Marag			Number of Street	
Static Routing									_
			Deltrighter	Nations.					
			3.8	vel Mark					
				Garavay					
					1,000	81			
		# Address	6		Tubert Mark		Gelevery	Active	6

Destination Network	Enter the destination network's IP address.
Subnet Mask	Enter the subnet mask of the destination network.
Gateway	Enter the default gateway of the destination network.
Add	Add the route to the current static routing table.
Action	Specify the action taken by router

III-5-8. Routing Table

In this page you can view the routing table information. Click "Refresh" to update

Attenced Settings	Wizard Status Netwo	ork Wireless Advanced Set	tings QoS Tools		
Routing Table	URL Filtering Virbal Server	DMZ DDNS Remote Manag	ement WAN Ping Stati	k Routing Rout	ng Table
	Destination IP	Subnet Mask	Gateway	Metric	Interface
	0.0.0.0	0.0.0.0	192.168.10.1	0	eth1
	192.168.1.2	255 255 255 255	192.168.10.1	0	eth1
	192.168.1.12	255 255 255 255	192.168.10.1	0	ath1
	192.168.2.0	255.255.255.0	192.168.2.0	0	600
	192.168.10.0	255 255 255 128	192.168.10.0	0	401

Destination IP	The IP address of the final destination. "0.0.0.0"
	indicates any network segment.
Subnet Mask	The subnet mask for the specified destination.
Gateway	This is the next router on the same LAN segment as
	the router to reach.
Interface	The interface between your router and the final
	destination.

III-6. QoS

Click "QoS" to enter the configure page. 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. Here you can configure "Bandwidth Control".



QoS can improve the BR-6428nS V5 performance. QoS is recommended to optimize performance for online gaming.

III-6-1. Bandwidth Control

Bandwidth control is used to limit communication speed in the LAN. Up to 20 entries can be supported with the capability for at most 254 PCs' speed control.

	n
QoS	Wizard Status Network Wireless Advanced Settings QoS Tools
	- Band-Idth Control
Bandwidth Control	
	Banduletto Control III Enable
	Save Carcel

Fnahle	Check the Enable box to enable the Bandwidth
	Control feature.

III-7. Tools

Click "Tools" enter the configure page ,here you can set "Time Settings", "Diagnostic Tool", "Backup/Restore", "Factory Default", "Firmware Upgrade", "Restart", "Password", "System Log".

III-7-1. Time Settings

This function is to select the time zone for your location. Click "Tools". Select "Time Settings". The time will synchronize with the internet automatically in the default situation. Select "Time Zone" then click "Save" to save you settings.

	Wizard	Status	Network	Wireless	Advanced Setting	s QoS T	iools		
	Time Settings	Diagro	etic Tool	Backup/Restor	e Factory Default	Firmware Upgrade	Restart	Pasavord	System Log
Time Settings									
	Note: 0	GMT time vill	te updated aut	tomatically only (when the device is connected 21-11-2018 Weel 06:38:32	to internet			
				Time Zone	(GMT+01:00) Amsterdam.	Defin, Bern, Rome, S	Stockt +		
					Save Car	cal			

Configured time and date info will be lost if the device gets disconnected from power supply. However, it will be updated automatically when the device reconnects to Internet. To activate time-based features (e.g. firewall), the time and date info shall be set correctly first, either manually or automatically.

III-7-2. Diagnostic Tool

	Wizard	Status	Network	Wireless	Advanced Setting	s QoS To	ols	
	Time Settings	Diagn	setic Tool	Backup/Restore	Factory Default	Firmware Upgrade	Restart Password	System Log
PING								
				PING			Ping	
				Result				

PingTroubleshoots connectivity, reachability, and
name resolution to a given host or gateway.

III-7-3. Backup/Restore

Click "Tools", select "Back/Restore". Choose "Backup" to keep parameters. Click "Browse" to add an file, then click "Save" to save the settings.

EDIMAX						_		
Tools	Wizard	Status	Network	Wireless	Advanced Setting	ps QoS	Toots	
	Time Settings	Diagn	ostic Tool	Backup/Restore	Pectory Default	Pirmvære Upgrøde	Restart Pass	word System Log
Backup/Restore								
			The device	te provides backup/	restore settings, so you r	wed set a directory to	keep these parameters.	
					Backup			
			Please c	hoose restore file				
				D	2 %			
					Restore			

Backup	Click this button to back up the router's configurations.
Restore	Click this button to restore the router's configurations.

The default configuration file name is "RouterCfm.cfg". Do include the file name suffix of ".cfg" when renaming the file name to avoid problem.

III-7-4. Factory Default

Click "Tools", select "Factory Default".

EDIMAX									
Tools	Wizard	Status	Network	Wireless	Advanced Setting	s QoS	Tools		
	Time Settings	Diegn	ostic Tool	Backup/Restore	Pectory Default	Firmvare Uppr	ade Raster	1 Password	Dystem Log
Factory Default									
			Restore	to Pectory Default Se	flings.				
					Reset				

Restore	Reset all configurations to the default values. It
Restore	means the device will lose all the settings you
	have set. So please note down the related
	settings if necessary.
	 Default Password: 1234
	Subnet Mask:255.255.255.0
	Default IP:192.168.2.1

If you enable this option, all current settings will be deleted and be restored to factory default values. You will have to reconfigure Internet connection settings and wireless settings.

Do not restore factory default settings unless the following happens:

• You need to join a different network or unfortunately forget the login password.

• You cannot access Internet and your ISP or our technical support asks you to reset the router.

III-7-5. Firmware 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.

Click "Tools", Select "Firmware Upgrade", click "Browse" and select the upgrade file. Finally, click "Upgrade" and wait for the completion.

Tools	Wizard Status Network Wireless Advanced Settings QoS Tools
	Time Settings Diagnostic Tool Backup/Restore Factory Default Firmware Upgrade Restart Password System Log
Firmware Upgrade	
	Salact the firmwark
	82.
	Upgrade
	The current firmware version Router300H012v001R001C018571_EN-Nov 19 2015

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.

III-7-6. Restart

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

EDİMAX	
Tools	Wizard Status Network Wireless Advanced Settings QoS Tools
	Time Settings Diagnostic Tool Backup/Restore Pactory Default Pinnvane Upgrade Pestant Password System Log
Restart	
	Click here to Restart the router.
	Restart

III-7-7. 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-5. Reset to factory default settings</u> for how to reset the device.

Click "Tools", select "Password". Enter "Old Password" "New Password" and "Confirm New Password", then click "Save" to save you settings.

EDIMAX		and the second state of the	In Develop 100 November	_	
Tools	Woard Blatus Tree Settings Dag	Network Wretess	Advanced Settings Fectory Debut	GoS Tools	L Comment Speering
Passwort			<u> </u>		
		Chil Passivori			
		New Passivers			
			Date: Cetter		

Current Password	Enter your current password.	
New Password	Enter your new password.	
Confirmed Password	Confirm your new password.	

III-7-8. System Log

You can view the system log and security log. Use the page number key in the bottom left corner to select which page to view.

Click "Tools", Select "System Log". Click "Refresh" to update the information Or click "Clear" to clear the screen.

Tools	Wizerd Sta	fun Network Winness	Advanced Settings	Goli Toon
1997-5- E	The Settings	Deposits ToolBettup/Texts	re Factory Default	Tennet Ligrade Namet Pass-ord
Bytten Log				
				Reflect Cha
		2018-11-21-06-27108	(DHOPD)	Receive 102 196 2.2 inform
	2	2018-11-21 88 28:52	(DHOPD)	uncetting parties to client claster
	8.	2018-01-21 (8:28.50)	рноној	Relative YEE 188 2.2 phone
	4	2018-11-21 06:38:53	(DHOPO)	uncering perior to clear clears
		2018-11-21 08 38 65	(DHOPD)	Nacatve 102 105 2 2 inform
	4	2018-11-21-08-48-21	build	undu (1902-1988 2.0) inspire time anapproxi-
	7	2018-11-21 05 48:55	(DHG7D)	uncaring packet to chemicanian
		2010-11-21-08-40.50	(DHCPD)	Receive 192 108 2.2 videos
		2018-11-21 08 with	(рногр)	uncerting parties to client center
	10	2018-01-01 08-48.99	(DHCHS)	Pacanon 182 188 2.2 selarity

Clear	Click "Clear" to clear/erase the existing log.
Refresh	Click "Refresh" to refresh the log and update any
	activity.
Page number	Click "[1]" or "[2]" to view different pages of system
	logs

IV. Appendix

IV-1. Configuring your IP address

For first time access to the URL *http://192.168.2.1* 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 <u>IV-1-1. How to check</u> 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-6428nS V5 in order to access *http://192.168.2.1*.



🌺 The BR-6428nS V5 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**.



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://192.168.2.1* 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 7

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



2. Click "Network and Internet".



3. Then click "Network and Sharing Center".



4. Click "Change adapter settings".



5. Click "Local Area Connection" and select "Properties".



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

etwonorig		
Connect using:		
🔮 Broadcon 4	140x 10/100 Integrated Co	ntroller
This connection u	ses the following terms:	Configure
R BOoS Pad	ket Scheduler	
Gos Pac Gos Pac Fle and F Fle and F Fle and F Fle A Internet F A Internet F	ket Scheduler hinter Sharing for Microsoft hotocol Version 6 (TCP/IP hotocol Version 4 (TCP/IP er Topology Discovery Map er Topology Discovery Rea	t Networks v6) v4) per UO Ditver pender
Constall	ket Scheduler Printer Sharing for Microsoft Instocol Version & (TCP/IP Protocol Version & (TCP/IP in Topology Discovery Map in Topology Discovery Rea	I Networks v6) v4) per I/O Dilver ponder Properties

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

Internet Protocol Version 4 (LCP/IP	v4) Properties 🛛 👔 🗙
General Alternate Configuration	
You can get IP settings assigned and supports this capability. Otherwise, y administrator for the appropriate IP	anatically if your network on need to ask your network settings.
👔 🕘 Ohtan an IP aldress automatic	aly
() the fit following the address:	
The fire of the	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Calorinal mendio	· · · · · · · · ·
the fail (generative)	1
)) Ohtan 065 server address and	amatically
One the bolowing uses server as	ICI extens
The fail the TTMS Cost wards	1
A terrate DNC servers	· · · · · ·
🔄 Validate settings open ext	Advanced
	US Gener

8. Click "OK" on the "Local Area Connection Properties" window to save your settings.



IV-1-1-2. 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".

	Newsyn			
Fin Hillson Can				
🛞 👾 = T 🤹 - Network		- 0	Sect Means	,A
Patients discovery and Plantineng are formed off. Statuscic computers is	and desires are not oxidite. Out to change			2.4
 Promine Promotechi 	Tim bilder i armynte			
2 dans				19.22
é //9			30	LAND NO.

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



IV-1-1-3. Windows 10

1.From the Windows 10 Start screen, click on "Start" and select "Settings".



2. Choose "Network & Internet", then select "Network sharing center, Click "Change adapter settings". Choose "Ethernet", click right mouse button and choose "Properties".



3.Right click the desired network connection and select "Properties". Then Select the Internet Protocol Version 4 (TCP/IPv4) option. Click up "Properties".



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

netal Alternate Configuration	1
ou can get IP settings assigne is capability. Otherwise, you n e appropriate IP settings.	d automatically if your network supports end to ask your network administrator for
Obtain an IP address auto	matically
Use the following IP addre	HERE:
IP oddess	
Syderet mark:	
Depend deparents	
Obtain DNS server addres	ss automatically
Use the following DNS se	rver addresses:
Evelated DNS perve	
Attenue DNS server	
	104
	Adyanced

IV-1-1-4. 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.



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

WI-J	12700 DIS WINS 802.1X	Proxies Hardware
Configure 100 IPvH Address Subnet Mask	Using DHCP Using DHCP Using BootP Manually	Renew DHCP Lease
Route	N	(featring)
Configure IPv6: Router	Automatically	<u>+</u>
IPv6 Address Frefix Length:		

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.

🐴 Please make a note of your static IP before you change it.

IV-1-2-1. Windows 7

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



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



3.Click "Local Area Connection".

View your basic network info	ormation and se	et up connectio	ins	
N	- 🛟 -	×	0	See full map
TS-WIN7 (This computer)	Home network		Internet	
View your active networks			Conne	ect or disconnect
Home network Home network		Access type: HomeGroup: Connections:	No Internet acce Ready to croate Local Area Conn	ection

4. Click "Properties".

Connection		
3Pv4 Connectiv	ity:	No Internet access
IPv6 Connectiv	ity:	No network access
Media State:		Enabled
Duration:		02:08:52
Speed:		100.0 Mbps
Activity	Sent	Received
	951,332	4,398,184
Bytes:		

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

12		
Connect using:		
Broadcom	440x 10/100 Integrated Co	ntroller
This connection	uses the following Remain	Configure
M QoS Pa	icket Scheduler	Manager
Cos Pa Cos Pa File and File and	Icket Scheduler Penter Sharing for Microsoft Percent Vision & (TCP/IP) Protocol Version 4 (TCP/IP) yer repology Discovery Map yer Topology Discovery Rea	Networks v6) per UO Ditver ponder Properties

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-1-2-2. 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".

		THE WORK		
the listwork	/ Miese			- 0
(E) (E) + + + +	🗣 > Hetwork		= 6 1em	Nation (P)
Metwork decovery a	and file sharing are formed off. Matororit computer	n and devices are not mable. Click to charge		×
Constant Constant	Copeo e neue scielles For to Sief Majoretmoré direc. Debrie Fragarites	The Main of propin		
2-minu				E 2
6 1				CONTRACTOR OF THE PARTY OF
				E T E LEWING

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-1-2-3. Windows 10

1.From the Windows 10 Start screen, click on "Start" and select "Settings".



2. Choose "Network & Internet", then select "Network sharing center, Click "Change adapter settings". Choose "Ethernet", click right mouse button and choose "Properties".

1 Network and Sharing Cerber			0	*	
4 + + + Netw_ + N	letwork and	Sharing Center v 6 Search Control Ferrel		P.	
Control Panel Home	View y	our basic network information and set up connections			
Theory attactor settions	Viewyou	r active networks			
Change advanced sharing partings	tsuni Priva	and Access type: No internet access te network Connections: © Ethemetic			
	Change	our networking settings			
	奎	Set up a new convection or network Set up a broadband, dial-up, or VPN connection; or set up a router or access point.			
		Toubieshoot problems Diagnose and repair network problems, or get boubieshooting information.			
See along					
HomeGroup					
Infrared					
Internet Options					
Windows Defender Firewall					

3.Right click the desired network connection and select "Properties". Then Select the Internet Protocol Version 4 (TCP/IPv4) option. Click up "Properties".

Connect using:	onnection	1
This connection uses the following items:	onnection	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
This connection uses the following items:	<u>C</u> onfi	
		gure
Client for Microsoft Networks Go S Packet Scheduler Internet Protocol Version 4 (TCP Microsoft Network Adapter Multi	osoft Networks P/IPv4) iplexor Protocol	
Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP <	9/IPv6)	>
I <u>n</u> stall <u>U</u> ninstall	Prope	erties
Description Transmission Control Protocol/Internet wide area network protocol that provid across diverse interconnected network	Protocol. The de les communicatio (s.	efault vn

4.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. 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.

B O O		Network		9	
Approximately Approximately advector	Location	Automatic		3	
0 Mini		Status	Connected	Turn Wi-Fi Off	
Ethernet Max Constraints	<->		has the IF address 1	32.108.77.119	
AX881thernet	44	Network Name:	DBM-AirPort-2.4	4 G 2	
B02-11 n WLAN Man Connected FineWire	↔		Ask to join new known setworks wi T ne known network be asked before join	e metakorks II be joinst automatically As are available, you will ang a spe reteark.	
Not Connected	0				
+ - 0+		Show Wi-Fi status	is mesu bar	Advanced	>
Cick the lack to	prevent furthe	r changes.	Assist me	Revent Ag	oly -

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

1 mow and			
Wi-Fi			
Wi-Fi	Using DHCP Using DHCP with manual address	axies Har	dware
Configure / v4	/ Manually		
IPv4 Address	Off		
Subnet Mask	255.255.255.0		
Router	192.168.77.1		
Configure IPv6	Automatically	=	
Router:			
IPv5 Address			
Prefix Length:			
			annel C

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

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

WI-FI	THE PAST WAY A	02.1V Browles	Manhana
Chief	Land Day way a	GALLA PROVIES	Harstware
Configure IPv4.	Manually	1	
IPv4 Addres	192.168.2.10		
Subnet Mask:	255.255.255.0		
Router	192.168.10.254		
Configure IPv6:	Automatically		
Router			
IPv6 Address:			
Prefix Langth:			

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 & 8

 Open "Control Panel" and click on "Network and Internet" in the top menu.



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



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



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

Add	Remove	Move down	Adapter properties	Profile types
Network	s you can v	view, modify, an	d reorder (2)	
	HomeNet	work	Security: WPA2-P	ersonal
		Propert	ties	
•		Remove	e network	
_	-	Rename	•	_
		Move d	own	

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

onnection Security	
Security type:	WPA2-Personal
Encryption type:	AES
Network security <u>k</u> ey	1234567890

IV-1-3-2. Windows 10

1.Click on "Start" button, select "Settings" and click on "Network and Internet", "Status" then "Network and Sharing Center". Now click on "Change adapter settings" on the left hand menu.

Network and Sharing Center			0	2
+ + 🖳 = Netw_ +	Network and Sharing Center v 0	earch Control Parrel		3
Control Panel Home	View your basic network informa	tion and set up connections		
	View your active networks			
Change advanced sharing pettings	tsunami Private network	Access type: No internet access HomeGroup: Ready to create Connections: © EthemetO		
	Change your networking settings			
	Set op a new convection of native Set op a broadband, dial-up, or V	unit PN connection; or set up a router or access point.		
	Diagnose and repar network pro	oferns, or get troubleshooting information.		
See also				
Нотеблоцр				
Infrared				
Internet Options				
Weidews Defender Evenall				

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



3.The Wi-Fi Status window pop up and click on "Wireless Properties".

eff Wi Fi Status		X
Deneral		
Connection		
Pv4 Connectivity:	Internet	
Ev&Connectivity	No network access	
Necla State:	Enabled	
350C	VET 2M	
Is ration:	00:21:31	
Speed:	52v0 Mitpo	
Sensi Quality:		
Details	Wrdes Hypeles	
AdMy		-
	Sec — 🔍 — Received	
Tytes:	1,095,040 4,714,755	
😵 teperiles	🚱 Dadde 🔋 Diagnose	

4.Click on the "Security" Tab in the pop-up window that appears and check the "Show characters" checkbox. This will show your network security key. Click the "Cancel" button to close the window.

Witeless Networ	k Emperhes		Х
Connection Security			
Security type:	APA3-Personal	\sim	
encryption type:	AFS	\sim	
Network network key	NR		
	Z shew characters		

IV-1-3-3. 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".

00	Application	\$	
4 5	11 III III III III III III III IIII II	Q	
FAVORITES	Name	 Date Modified 	Size
Deskton	📝 TextEdit	2012/2/2 下午7:08	11.1 MB
in beauty	W Time Machine	2012/2/2 下午7:08	379 KB
P Documents	V 📺 Utilities	2012/2/2 下午3:32	
A Applications	Activity Monitor	2012/2/2 下午7:08	10.6 MB
fer open	AirPort Utility	2012/2/2 下午7:08	33.5 MB
E Dronboy	AppleScript Editor	2012/2/2 下午7:08	12.8 MB
A propoor	Audio MIDI Setup	2012/2/2 下午7:08	11.8 MB
DEVICES	👴 Bluetooth File Exchange	2012/2/2 下午7:08	1.8 MB
10.6	Boot Camp Assistant	2012/2/2 下午7:08	13.7 MB
	🗮 ColorSync Utility	2012/2/2 下午7:08	17 MB
	🗰 Console	2012/2/2 下午7:08	7.5 MB
	digitalColor Meter	2012/2/2 下午7:08	2.2 MB
	D Disk Utility	2012/2/2 下午7:08	27 MB
	# Grab	2012/2/2 下午7:08	3.5 MB
	Grapher	2012/2/2 下午7:08	37.3 MB
	lava Preferences	2012/7/17 上午10:54	719 KB
	 Keychain Access 	2012/2/2 下午7:08	14.6 MB
	Migration Assistant	2012/2/2 下午7:08	6.7 MB
	🙃 Matumali Dellini	90.5 AT T C C C C	7 C 840

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.



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

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

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 Acc confidential i "EdimaxWire To allow this, er	tess wants to use your nformation stored in less" in your keychain. Iter the "login" keychain password.
	Password:	
D	Always All	ow Deny Allow
	Account:	AirPort
	Where:	com.apple.network.wlan.ssid.EdimaxWireless
	Comments:	
	Show password:	9

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 7

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

Merenett Office Outlinek	AlanOtia	12 Bar
Distanut Explorer	Pecumenta Pictures	Type the name of a program, folder, document, or Internet mource, and Windows will open it for you.
Microsoft Office Word 2007	Maix	Oper and •
Gazgle Chroms	Computer	 This task will be created with administrative privileges.
Microsoft Office PowerPoint 2007	tietoort	OK Cancal Browns
Command Prompt	Control Panel	
R Mit Microsoft Office 24	Default Programs	
Autocky	a finite and a second	
All Programs		
Durt Search A		

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



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

```
    Administrator.C://Windows/system32/cmd.exe
    Ethernet adapter 區域連線:
    Connection-specific DNS Suffix .:
Link-local IPv6 Address .....: fe80::4cdc:3e90:ba56:1722x9
    IPv4 Address .....: 192.168.10.14
    Swinet Dask .....: 255.255.25.0
    Default Gateway .....: fe90::000:2:e57bx9
    Uireless LAN adapter 無線經路運線:
    Media State .....: Media disconnected
Connection-specific DNS Suffix .:
    Media State ....: Media disconnected
Connection-specific DNS Suffix .:
    Media State ....: Media disconnected
Connection-specific DNS Suffix .:
    Media State ....: Media disconnected
Connection-specific DNS Suffix .:
    Media State ....: Media disconnected
Connection-specific DNS Suffix .:
    Media State ....: Media disconnected
    Connection-specific DNS Suffix .:
```

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. Window 10

1.Right click on "Start" button and select "Command Prompt".



2.On the Command Prompt window, enter "ipconfig" and press the Enter key.



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





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

0.0	Network		
4 F Show All		9	Č.
Locat	tion: Automatic	¢)	
Etherrat connected FireWire Not Connected	Status:	Connected Dhemet is currently active an address 192.168.10.179	d has the @
e Wi-Fi 🛜	Configure IPv4:	Manually	\$
USB Neterface	IP Address	192.168.9.20	
Not Connector	Subnet Mask:	255.255.255.0	
Not Contected	Router:	192.168.10.254	
	DNS Server:	192.168.1.12, 192.168.1	2
	Search Domains:		
+ - 0*			Idvanced
Click the lock to prevent fu	other changes.	Assist me Rev	ert Apply

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



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

W5-1	TETTE ENS WINS	802.1X Proxie	s Hardware
Configure IPv4:	Using DHCP	\$	
IPv4 Address:	10.0.20.97		Renew DHCP Lease
Subnet Mark Router:	10.0.20.254	DHCP Client ID	(If required)
Configure IPv6 Router IPv6 Address Prefix Length:	Automatically	\$	

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 7 – the process may vary slightly for other versions of Windows.

1. Click the network icon (*Implied or Constant areases and a window with available network connections will open.*



2. Search for the SSID of your BR-6428nS V5 and then click "Connect". If you set a password for your network, you will then be prompted to enter it.

Wireless Network Connection Image: Second	Connections are available	**
Vendor_Guest HOME-38CE-2.4 HOME-90E2-5 HOME-90E2-2.4 HOME-37CA-5	Wireless Network Connection	-
Vendor_Guest in the second sec	a a concernent of	lte.
HOME-38CE-2.4	Vendor_Guest	34
HOME-90E2-5 HOME-90E2-2.4 HOME-37CA-5	HOME-38CE-2.4	llee.
HOME-90E2-2.4	HOME-90E2-5	lite.
HOME-37CA-5		ller-
	HOME-90E2-2.4	1.00

3.After correctly entering your password, you will be successfully connected to the BR-6428nS V5's wireless network.

IV-3. Troubleshooting

If you are experiencing problems with your BR-6428nS V5, please check below before contacting your dealer of purchase for help.



If you are experiencing problems immediately after a firmware upgrade, please contact your dealer of purchase for help.

1. The System LED does not light up.

- a. Make sure that the Router Adapter is properly plugged into a power outlet.
- b. Make sure the power outlet is active (working) by plugging another electric device into it.
- c. Re-plug the Router Adapter to the power outlet. If the system LED is still failed to light up, contact your local dealer for technical support.

2. The WAN LED does not light up.

- a. Make sure that the Ethernet cable (RJ-45) is properly connected to the Router Adapter's Ethernet port.
- b. Make sure that the other end of the Ethernet cable (RJ-45) is properly connected to the computer LAN card or to you Cable/xDSL Ethernet port.
- c. Make sure your computer LAN card is properly installed and configured.
- d. Make sure your Cable/xDSL broadband access is working and configured correctly.
- e. Contact your local dealer for technical support if the Ethernet LED is still failed to light up after the above procedures.

3. I can't access the Internet.

- f. Ensure that all cables are connected properly. Try a different Ethernet cable.
- g. Check if you can access the web based configuration interface. If not, please ensure your computer is set to use a dynamic IP address. Refer to the user manual for guidance if you are unsure how to do this.
- h. 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).
- i. Connect your 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.
- **4.** I can't open the web based configuration interface.
- a. Please ensure your computer is set to use a dynamic IP address. Refer to the user manual for guidance if you are unsure how to do this.

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

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

6. My network is configured to use static IP addresses. How can I assign a static IP address to my BR-6428nS V5?

If your ISP gives you a fixed or static IP address for Internet connection, you will need to gather the following information:

- a. IP Address
- b. Subnet Mask
- c. Gateway
- d. DNS Server
- e. Alternate DNS Server (Optional)

7. I forgot my password.

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

8. Remove Wireless Network from Your PC.

a. If you change wireless settings on your wireless device, you must remove them accordingly from your PC; otherwise, you may not be able to wirelessly connect to this device. Below describes how to remove a wireless network from your PC.

Windows 7

Step 1: Right-click the Network icon and select Properties.



Step 2: Select Manage Wireless Networks.



Step 3: Select the wireless network and click Remove network.

🗿 🕗 💌 🕨 Control Par	el Network and Internet Manage W	fireless Networks 🔹 🔸 Sea	rch Manage Wireless Networks
Manage wireless ne Windows tries to connect	tworks that use (Wireless Networ to these networks in the order listed below.	rk Connection 8)	
Add Adapter properties	Profile types Network and Sharing Cent		0
MTC_home	y, and reorder (2) Security: WPA-Personal	Type: Any supported	Automatically connect
MTC_AAAABA	Security: WPA-Personal	Type: Any supported	Automatically connect


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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website <u>www.edimax.com</u> 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

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472	19.39 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **300M Wireless Router** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: http://www.edimax.com/edimax/global/

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 2014/53/EU, 2014/35/EU. Français: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU. Čeština: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU. Polski: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU. Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Română: Directivei 2014/53/UE, 2014/35/UE. Русский: Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU. Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek Magyar: (2014/53/EU, 2014/35/EU). Türkçe: Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur. Українська: Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU. Slovenčina: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU. Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU. Deutsch: El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, Español: 2014/35/EU. Italiano: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE. **Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU. **Português:** Este equipamento cumpre os requesitos essênciais da Directiva 2014/53/EU, 2014/35/EU. Norsk: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU. Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU. Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante Dansk: forordninger i direktiv 2014/53/EU, 2014/35/EU. suomen kieli: Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN AT BE CY CZ OK EE (H) (H) OB (H) (H) (B) (T) (V) (T) (U) (T) (N) (A) (T) (K) (S) (B) (S) (B) (S) (U) (N) (C) (G) (R) (N) (T) (A)

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 Radio Equipment directives.

Equipment: 300M wireless router Model No.: BR-6428nS V5

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

:	EN 300 328 V2.1.1:2016
:	EN 301 489-1 V2.1.1:2017
	EN 301 489-17 V3.1.1:2017
:	EN 62311:2008
	:

Directives 2014/35/EU

Safety (LVD) : IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013 EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

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Printed Name:	David Huang		
Title:	Director		
	Edimax Technol	ogy Eu	rope B.V.
	Date of Signa	ture:	Nov., 2018
· F	Signature:		Allas
	Printed Name	2:	Albert Chang
	Title:		Director
			Edimax Technology Co., Ltd.
		-	

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