

WR300N Portable Wireless-N Repeater

Quick Start Guide

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About the Device

Diamond Multimedia WR300N Portable Wireless-N Repeater supports wireless 802.11b/g/n standards with one 10/100Base-T Ethernet port.

WR300N is designed with MIMO technology to extend the reach of any existing wireless router/AP to maximize the coverage in your home or office. It basically receives the signal from your wireless router/AP and repeats it to extend the range to farther locations that are previously unreachable.

Equipped with 64/128-bit WEP, WIFI Protected Access (WPA), and the latest WPA2 encryption with TKIP and AES algorithm to protect your wireless network from unauthorized access. MAC Address Filtering for wireless links provides an additional layer of security for your wireless network.

The device comes with 1 x 10/100M Auto MDI/MDIx Ethernet port that can be used to connect to an existing wired network to serve as a wireless AP or wireless bridge. It can also be used to configure the device via its web-based GUI, or upgrade the firmware when connected to the Network Interface Card of your PC.

Minimum System Requirements

Your computer must meet the following minimum requirements.

- Any operating system can be used
- Web Browser
- 233MHz processor
- Ethernet network adapter
- Or Wireless network adapter

Package Contents

Package contents are listed below.

- WR300N
- Ethernet cable
- Easy Start Guide
- Resource CD

Device Overview

Front Panel



LABEL	STATE	DESCRIPTION
DOWED LED	0n — Solid Green	Device is powered ON
FOWER LED	Off	Device is powered OFF
	0n — Solid Green	Ethernet device is connected
ETHERNET LED	0n – Blinking Green	Indicates LAN activity
	Off	No Ethernet device connected
	0n — Solid Green	Wireless interface is UP
WIRELESS LED	On – Blinking Green	Indicates wireless activity
	Off	Wireless interface is DOWN
	0n — Solid Green	WPS association is successful
WPS LED and BUTTON	On — Blinking Green	WPS authentication on going
	Off	WPS disabled

Bottom Panel



LABEL	DESCRIPTION
RESET	Press the Reset button for 5 seconds to restore the device to default factory settings
ETHERNET PORT	Connect to computers/Ethernet devices

Tips for placing the Repeater

Before proceeding to configure your WR300N, it is often a good idea to identify the areas where you have good wireless reception and weak or no wireless signal at all. Based from this assessment you may place the wireless repeater in between a location where you have good wireless reception and where you have poor wireless coverage. This will serve as the *identified location* for the WR300N. The illustration below is an example of a network diagram.



NOTE: Placement of the Wireless Repeater is crucial to get the best possible results for extending your existing wireless signal. It is ideal for the wireless repeater to be placed in a location where it can receive good wireless signal from the wireless router/Access Point (AP) so as to avoid disconnection and packet loss.

Configuring the Repeater

Setting up the device is easy. Follow the steps below to configure the device for your current wireless router/AP. Ensure to disable the wireless connection on the PC or laptop used for configuring the WR300N. Please note that the main router/AP and Wireless Repeater must be on the same wireless channel.

To configure your device via the Web GUI:

1. Connect the WR300N to a power outlet.



2. Connect an Ethernet cable from your PC's Ethernet port to the Ethernet port at the base of the WR300N.



- 3. Once a connection to the WR300N is established, your PC/laptop will receive an IP address and you can start the configuration using the web graphical user interface.
- 4. To access the web GUI, Launch your web browser and input 10.0.10.254 on the address bar.

<i>(2</i>) He	ome - V	Windov	ws Internet	Explore	er	
\bigcirc	0	- 🩋	http://10.0.:	10.254		
Eile	<u>E</u> dit	<u>⊻</u> iew	F <u>a</u> vorites	<u>T</u> ools	Help Type 10.0.10.254	
🔶 F	avorite:	s 🔏	9 Home			

5. Input admin for username and input admin for password. Click the OK button.



6. Click on the Auto Setup button. This will show the available wireless networks that are in range of the WR300N.



NOTE: If you are connecting to a hidden wireless network, you need to go through the Manual Setup and key-in the information from your existing wireless router/AP manually. Also un-tick the Broadcast SSID option so your wireless network can remain hidden. 7. Click the **Connect** button located on the right side of the wireless network you want to connect to. Click Refresh if you don't see your wireless SSID on the list.

Site Survey							
Channel	SSID	BSSID	Security	Signal	W-Mode	Network Type	Connect
1	Aztech_mainAP	90:e6:ba:31:42:a5	WPA2PSK/AES	50	11b/g/n	Infrastructure	Connect
2	IPDSLAM1	00:c4:32:11:22:37	WPAPSK/TKIP	70	11b/g/n	Infrastructure	Connect
4	Palette-WLAN	00:0e:8e:7d:0b:72	WEP	50	11b/g	Infrastructure	Connect
6	Aztech550_E37D	00:26:75:16:e3:7d	WPAPSK/TKIP	91	11b/g/n	Infrastructure	Connect
6	Hotzone	00:1a:70:95:4d:b0	WEP	24	11b/g	Infrastructure	Connect
6	pacificnetwork_128520	00:26:75:12:85:20	NONE	10	11b/g/n	Infrastructure	Connect
6	SINGTEL-B5BD	00:30:0a:e7:b5:be	WEP	39	11b/g	Infrastructure	Connect
6	2wire-jrtest	34:ef:44:52:93:51	WEP	65	11b/g	Infrastructure	Connect
6	Aztech7000_2001	00:26:75:00:20:01	WPA1PSKWPA2PSK/TKIPAES	0	11b/g/n	Infrastructure	Connect
11	PLDTMyDSLbiz11	00:30:0a:e7:b2:e7	WEP	86	11b/g	Infrastructure	Connect
11	Aztech_HQ	00:26:75:2e:15:b8	WEP	100	11b/g/n	Infrastructure	Connect
11	stoor	00:15:70:c1:4d:10	WEP	0	11b/g	Infrastructure	Connect
11	Aztech_Wifi	00:12:0e:3c:22:bb	NONE	29	11b/g	Infrastructure	Connect
13	guest	00:22:2d:2a:a5:b9	WPAPSK/TKIP	65	11b/g	Infrastructure	Connect
13	asterix	00:22:2d:2a:a5:b8	WEP	65	11b/g	Infrastructure	Connect
			Refresh				

Reboot		
Home	Quick setup	Wireless System
uick Setup		
	Wireless AP / Router Operation Mode	Repeater
	SSID	main_AP
	Broadcast SSID	5
	MAC Address(optional)	00:13:09:11:06:10
	Security Mode	Open 🔽
	Encryption Type	Wep 💌
	Default Key	Key 1 💌
	WEP Key 1	1234567890 Hex •
	WEP Key 2	Hex
	WEP Key 3	Hex
	WEP Key 4	Hex
	Channel	2412MHz (Channel 1)
	Enhanced Compatibility	

- 8. Input the current wireless network key/passphrase. Click the Apply button to commit the changes.
- 9. Close the web browser and power down the WR300N by unplugging the device from the wall plug.
- 10. Plug the WR300N to a power outlet at the identified location.
- 11. You may now use your wireless devices such as laptops, smart phones, etc. with the Repeater.

NOTE:

*You may need to reboot your laptop to connect to the WR300N.

**You may need to enable Enhanced Compatibility if you are using Windows 7 0S with certain brands of Wireless routers.

Use the Device as a Wireless Repeater

Once the wireless connection from the WR300N to the main AP/router is established you can connect your wireless devices like laptops and smart phones through the wireless repeater. These devices will obtain an IP address from the main AP/router and should be able to access the Internet from farther locations previously unreachable by your wireless signal.



Setup Diagram

Use the Device as a Wireless Bridge

Connect wired devices to your wireless network by connecting an Ethernet cable from a wired device, such as a Desktop PC, Game Console or Internet-ready LCD TV, to the Ethernet port of the WR300N.

Setup Diagram



Configure the WR300N as a Wireless AP

Use the WR300N as a Wireless Access Point to turn a regular modem-router into a wireless capable networking device to connect wireless-enabled devices such as laptops and smart phones.

To setup the device as a wireless AP:

- 1. Connect a PC/laptop to the Wireless Repeater. Plug an Ethernet cable to the Ethernet port at the base portion of the device.
- 2. Once a connection to the device is established, your PC/laptop will receive an IP address and you can start the configuration using the web graphical user interface.
- 3. To access the web GUI, Launch your web browser and input 10.0.10.254 on the address bar.
- 4. Input username as admin and password as admin. Click the OK button.
- 5. Click on the Manual Setup button and enter the SSID, security type, encryption type and WEP/passphrase for your Wireless Access Point, then click the Apply button.
- 6. After the settings are applied, unplug the Ethernet cable from your PC and connect it to an available Ethernet port in your modem-router to match the hardware setup illustrated below.



NOTE: To change any wireless settings on the WR300N, you would need to set a static IP address on your wireless network card to be able to access the web GUI before you can configure the settings. Please refer to the steps on how to set a static IP on your PC also included in this manual.

Changing the Wireless Settings

Modify the default Wireless Settings to suit your own preference.

To change the Wireless settings via the Web GUI:

1. Open your browser

- 2. Type 10.0.10.254 on the address bar
- 3. Input admin for both username and password fields and click on OK
- 4. On the top pane, click the Wireless button to show the menu
- 5. You can change the advanced wireless settings as preferred from this page

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🕒 🕤 💌 🔊 http://10	0.10.254/w/Basic.asp		💌 🐓 🗙 🚷 Google	P -
Ele Edit View Favorite	es Iools Help			
🙀 Favorites 🛛 🄏 Wireless	1		🐴 • 🗟 - 🖻 🖶 • Bage • S	afety + Tgols + 🔞 +
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	MOND			
Reboot				
Home	e 🛛 🖉 Quick setup	Wireless		
office				
Settings	Security MAC Filter			
Windows Cotto				
wireless->Setur	Window Eachlad			
	SEID			
	Broadcast SSID	Aztechobo_5200		
	Wireless Mode	11b/g/p Mixed Mode		
	Channel	2437MHz (Channel 6)		
	HT Channel	10 -		
	HT Data Rate	Auto 💌		
	HT Channel Bandwidth	C 20 @ 20/40		
	HT Guard Interval	C Long C Auto		
		Apply		
				19

- 6. Click Apply to commit the changes
- 7. Ensure to recreate the wireless profile on your computer to match the new settings

Changing the Wireless Security Settings

Modify the default Wireless Security Settings to suit your own preference.

To change the Wireless security settings via the Web GUI:

- 1. Open your browser
- 2. Type 10.0.10.254 on the address bar
- 3. Input admin for both username and password fields and click on OK
- 4. Click the Wireless button, and click the Security menu. You can change the wireless security settings as preferred from this page



- 5. Click Apply to commit the changes
- 6. Ensure to recreate the wireless profile on your computer to match the new settings

WPS

WPS or Wifi Protected Setup makes it easy for wireless clients to connect to the wireless repeater. Simply press the WPS button on the repeater and press the WPS button on the wireless client within 2 minutes, and the wireless security authentication will be done automatically.





Configuring Wireless MAC Filtering

Wireless MAC Filtering allows you to select which wireless clients to allow or deny access to the Wireless Repeater.

To configure Wireless MAC Filtering via the Web GUI:

- 1. Open your browser
- 2. Type 10.0.10.254 on the address bar
- 3. Input admin for both username and password fields and click on OK
- 4. Click the Wireless button, and click MAC filter menu. You can select Allow or Deny from the Policy drop down box and enter the MAC address of the wireless client you wish to allow/deny access to the wireless repeater

🖉 Wireless - Windows Internet Explorer		<u>_ 0 ×</u>
S S Image: A style of the style	🔄 🖘 🔀 Google	<u>ب م</u>
Elle Edit View Favorites Iools Help		
👷 Favorites 🖉 Wireless	🟠 • 🖾 - 🖻 👼 • Bage •	Safety + Tools + 🔞 +
		-
DIAMOND		
E Reboot		
Home Auguick setup Wireless System		
Settings Security MAC Filter		
Wireless->Filter		
Policy Disable		
MAC Address		
Apply		

5. Click Apply to commit the settings

Viewing the Home Page

The Home Page will tell you information about your device.

To view the Home Page via the Web GUI:

1. Open your browser

- 2. Type 10.0.10.254 on the address bar
- 3. Input admin for both username and password fields and click on OK



- 4. AP Client Connection Status displays the Connection status and SSID of the Access Point being extended.
- 5. Wireless Client List displays the current wireless clients connected to the repeater.

System Management

The System Management menu is used for device settings administration.

Accessing System Management

To access the Web User Interface:

- 1. Open your browser.
- 2. Type-in 10.0.10.254 on the address bar and then press Enter.
- 3. Input admin for both username and password fields and click on OK



What's on System Management

System Management includes the following options:

- Information
- Firmware
- Reboot
- Password

Information

This page shows the device information. Below is the list of information shown in this menu.



- Firmware Version Shows the current firmware version of the device
- **•** Build Date Shows the firmware release date
- Serial Number Shows the serial number of the device
- ETH MAC Address Shows device's Ethernet interface MAC address
- Wireless MAC Address Shows device's wireless interface MAC address
- Wireless Status Shows the status of the wireless interface.

Firmware

Firmware menu allows you to see the current firmware version and build date as well as upgrade the firmware of the device.

🖉 System - Windows Internet Explorer			_10 ×
🔆 🔄 🗢 🙋 http://10.0.10.254/sysUpgrade	asp	💌 🅢 🔀 Google	P -
Eile Edit View Favorites Tools Help			
🔆 Favorites 🏾 🏀 System		🚹 + 🔂 - 🖃 🖶 + Bage + Safety -	Tools + 🔞 +
—			
DIAMON			
E Reboot			
Home Home	: setup Wireless	System	
Information Firmware	Reboot Password		
System->Firmware			
	Firmware Information	220 106 1-004	
	Current Firmware Date	Aug 19 2010	
	Firmware Upgrade		
		Browse	
		ograde	
			7

- Firmware Information Shows the current firmware's version and build date
- Firmware Upgrade Load a new firmware upgrade file to the device

NOTE: Make sure you connect to the device via Ethernet cable when upgrading the firmware to avoid corruption during the firmware upgrade procedure.

Reboot

Reboot allows you to reboot the device for new settings to take effect.



• Reboot — Allows you to reboot the device

Password

Password menu allows you to change the device's password to access the Graphical User Interface (GUI).



Password — Allows you to change the router's password

Setting a Static IP on your PC

The WR300N Wireless N Repeater will only give an IP address to your PC upon initial installation. Once you have associated it with your Wireless Router/AP, you will no longer have access to the device's web GUI. If you wish to change any settings on the WR300N, you need to set a Static IP address on your PC. Just remember to set it back to "Obtain and IP address automatically" after you are done.

To set a static IP address on your PC using Windows XP:

Notepad	Wy Computer
W Microsoft Word	Control Panel
Command Prompt	Set Pr Defaul computer, add or remove programs, and set up network connections and user
Microsoft Excel	Connel accounts.
Adobe Reader 9	
🦉 Paint	Search
All Programs 🕨	70 Run
	Log Off 🔘 Shut Down
🐉 start 🛛 🙆 🖉 🦉	

1. Click Start > Control Panel

2. Click on Network and Internet Connections



3. Click on Network Connections



4. Right-Click on the Network Adapter you will use to configure the wireless repeater and click Properties



5. Click to select Internet Protocol (TCP/IP) and click Properties

🕹 Local Area Connection 7 Properties 🛛 🔹 💽
General Advanced
Connect using:
Intel(R) PR0/100 VE Network Conne
This connection uses the following items:
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
 ✓ Show icon in notification area when connected ✓ Notify me when this connection has limited or no connectivity
OK Cancel

6. Select "Use the following IP address:" and key in 10.0.10.1 as the IP address and 255.255.255.0 for the Subnet mask. Leave the other fields blank.

Internet Protocol (TCP/IP) Proper	rties ? 💈			
General				
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatically	,			
• Use the following IP address:				
IP address:	10 . 0 . 10 . 1			
S <u>u</u> bnet mask:	255 . 255 . 255 . 0			
Default gateway:	Default gateway:			
Obtain DNS server address autom	atically			
Output the following DNS server add ● Use the following DNS server add	resses:			
Preferred DNS server:				
Alternate DNS server:				
	Advanced			
	OK Cancel			

7. Click OK to commit the settings.

To set a static IP address on your PC using Windows Vista:

1. Click Start > Control Panel



2. Double-Click Network and Sharing Center



3. Click Manage network connections



4. Right-Click on the Network Adapter you will use to configure the wireless repeater and click Properties



5. Click to select Internet Protocol Version 4 (TCP/Ipv4) and click Properties

erworking	Sharing		
Connect us	ling:		
Marv	vell Yukon 88E80	157 PCI-E Gigab	it Ethemet Controller
			Configure
This conne	ction uses the fo	llowing items:	
🗹 🍋 a	ient for Microsoft	Networks	
	oS Packet Sched	duler	
	Distant Cha	ning for Misson	0.41.4
	e and Frinter Sha	anniq tor microsc	TT NETWORKS
🗹 🔺 In	ternet Protocol V	ersion 6 (TCP/I	Pv6)
	ternet Protocol V ternet Protocol V	ersion 6 (TCP/I ersion 4 (TCP/I	Pv6) Pv4)
	ternet Protocol V ternet Protocol V ternet Protocol V nk-Layer Topolo <u>c</u>	ersion 6 (TCP/I ersion 4 (TCP/I gy Discovery Ma	nt Networks Pv6) Pv4) apper I/O Driver
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A In A In	temet Protocol V termet Protocol V nk-Layer Topolog nk-Layer Topolog all	ersion 6 (TCP/I) ersion 4 (TCP/I) ersion 4 (TCP/I) gy Discovery Ma gy Discovery Re Uninstall ocol/Internet Pr colthat provides ccted networks.	vit Networks Pv6) Pv4) asponder Properties rotocol. The default communication

6. Select "Use the following IP address:" and key in 10.0.10.1 as the IP address and 255.255.255.0 for the Subnet mask. Leave the other fields blank.

You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator
🔘 Obtain an IP address autom	natically
• Use the following IP address	s:
IP address:	10 . 0 . 10 . 1
Subnet mask:	255.255.255.0
Default gateway:	
🕐 Obtain DNS server address	automatically
Output the following DNS server	er addresses:
Preferred DNS server:	42 24 4
Alternate DNS server:	
	Advanced

7. Click OK to commit the settings.

To set a static IP address on your PC using Windows 7:

1. Click Start > Control Panel



2. Click View network status and tasks



3. Click Change adapter settings

Control Panel Home	View your basic network information
Manage wireless networks	M
Change adapter settings Change advanced sharing	PRODUCT-PC Uniden [®] (This computer)
settings	View your active networks
	Unidentified network

4. Right-Click on the Network Adapter you will use to configure the wireless repeater and click Properties

Local Area Cor Unidentified ne Broadcom Net	inecti 🚱	ion I Disable Status Diagnose	nacro connected N Miniport (IKEv2)	×	Wireless Network Connection Not connected Dell Wireless 1505 Draft 802.11n
	۲	Bridge Connections			
	(i) (i) (i)	Create Shortcut Delete Rename			
	•	Properties			

5. Click to select Internet Protocol Version 4 (TCP/Ipv4) and click Properties

Connect using:		
Broadcom Net	Xtreme 57xx Gigabit Cor	troller
		Configure
This connection uses	the following items:	
Client for Mi	crosoft Networks	
QoS Packet	: Scheduler	
🗹 📙 File and Prin	ter Sharing for Microsoft	Networks
Internet Prot	tocol Version 6 (TCP/IP)	/6)
	tocol Version 4 (TCP/IP)	(4)
Link-Layer 1	lopology Discovery Map Topology Discovery Res	per I/O Driver
	opology Discovery nest	Jonder
		-
Install	Uninstall	Properties
E		
Description		The defendence
Transmission Cont	rol Protocol/Internet Prot	ocol. The detault
Transmission Cont wide area network across diverse inte	rol Protocol/Internet Prot protocol that provides c rconnected networks.	ommunication

6. Select "Use the following IP address:" and key in 10.0.10.1 as the IP address and 255.255.255.0 for the Subnet mask. Leave the other fields blank.

General							
You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically eed to ask yo	y if y iur n	ou etv	r net vork	wo adr	rk sur ninist	oports rator
🔘 Obtain an IP address autom	atically						
• Use the following IP address	s:						
IP address:	10	. 0		10		1	
Subnet mask:	255	. 25	5.	255	÷	0	
Default gateway:	Ű.	C	. ,		1		
Obtain DNS server address	automatically	1					
• Use the following DNS serve	er addresses:	-					
Preferred DNS server:		12					
Alternate DNS server:		5	2				
Validate settings upon exit					A	dvan	ced

7. Click OK to commit the settings

▲ Safety Precautions

- **Do not open, service, or change any component.**
- Only qualified technical specialists are allowed to service the equipment.
- Observe safety precautions to avoid electric shock
- Check voltage before connecting to the power supply. Connecting to the wrong voltage will damage the equipment.

Technical Support

Diamond Technical Support staff is here to help resolve any issues that you may be experiencing. Prior to contacting technical support please make sure you have the following information available.

- 1. Model #: (Printed on the bar code, located on the box)
- 2. Installation CD Version: (printed on the CD label)
- 3. The version of Windows that your system is running.
- 4. The manufacturer and model # of your computer.
- 5. CPU type and speed (example: Intel Pentium4 2.4GHZ)
- 6. A complete description of the problem that you are experiencing including any
- steps that you have taken to try to resolve the issue.

Technical Support Options Free Telephone Support

818-357-5165 (long distance rates may apply) Mon - Fri, 8 - 4:30 PST http://www.diamondmm.com

SHIPPING

Starting June 1st 2009 Diamond Multimedia will pay for shipping cost from Diamond back to US and Canadian customers provided the product is indeed under warranty and there is no damage caused by improper installation or modification of the merchandise. Customers located outside of the United States and Canada or using military addresses (APO,etc) will be required to pay for return shipping. Average shipping times range from 5 to 10 days, depending on actual shipment destination. Shipments made outside the US may take longer to deliver.

Diamond Multimedia reserves the right to claim for shipping fees along with service charges for any product that is returned incomplete or not under warranty. Return Authorization (RMA) is required for all warranty return products.

ONE YEAR LIMITED WARRANTY

The warranty described below is extended only to the original buyer and is not transferable.

Diamond warrants to the original purchaser of the hardware product, that the product is free from defects in materials or workmanship under normal use and service for a period of one (1) year from the date of purchase. All cables and accessories provided with a Diamond product are warranted to be free from defects in materials or workmanship under normal use and service for a period of for (90) ninety days from date of purchase.

Diamond's sole obligation under this warranty shall be, at Diamond's option, to: (I) repair the defective product or parts; (II) deliver to customer an equivalent product or part to replace the defective product. When a product or part is replaced or exchanged, that item becomes the customer's property and the replaced or exchanged item becomes Diamond's property. When a refund or replacement product is given, the defective product becomes Diamond's property. Replacement parts or products may be new or include serviceable used parts with at least the same functional equivalence to the original product. If, at the time of repair, a product is "out of warranty" or within the last ninety (90) days of the warranty period, Diamond warrants any repair for ninety (90) days. All software provided is subject to the terms of the associated software end-user license agreement.

WARRANTY EXCLUSIONS AND LIMITATIONS

TO BE ELIGIBLE FOR THIS WARRANTY, YOU NEED TO PROVIDE THE ORIGINAL SALES RECEIPT SHOWING THE DATE OF PURCHASE OF THE PRODUCT. DIAMOND MAY REQUEST THE ORIGINAL SALES RECEIPT OR A COPY AS PROOF OF THE DATE OF PURCHASE.

Diamond does not warrant third party products which Diamond distributes "AS IS" unless otherwise specified. Third party products may be warranted by the third party.

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OBTAINING WARRANTY SERVICE: Please review the "help" resources referred to in your products accompanying documentation before seeking warranty service. If the product is still not functioning properly after making use of these resources, please access the support page at http://www.diamondmm.com/support.php for warranty instructions and services. Some additional charges may apply for phone support.

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Diamond Multimedia could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules.

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.

Exposure Information to Radio Frequency Energy

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

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