



Wireless *MAXg* USB Adapter User Guide

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Introduction



The U.S. Robotics Wireless *MAXg* USB Adapter is the solution to your home and small business wireless connectivity needs. *MAXg* technology provides the maximum 802.11g range in the industry, delivering optimal wireless connections to your PCs, laptops, and other wireless devices. *MAXg* also provides the maximum speed – up to 125 Mbps – delivering large files like MP3s, digital photos, and digital video through your network fast and efficiently. And with *MAXg*, your network will be protected with a maximum security suite of capabilities, including Wi-Fi Protected Access (WPA), WPA2/802.11i (Windows 2000 and XP only), MAC address filtering, and more.

And to assure a simple, straight-forward installation, U.S. Robotics developed the SureStart installation wizard. SureStart walks you through the installation of any *MAXg* PC Cards, PCI Adapters, USB Adapters, or Routers in a seamless fashion. In addition, SureStart provides easy-to-understand guidance to set up security for your wireless network. Sharing Internet access securely, wirelessly or wired, has never been easier.

What You Need to Begin

- PC with an available USB port
- PC with Windows 2000, XP, 98SE, or Me
- A functioning Ethernet-based cable or DSL modem or other WAN connection for

Internet access

- A browser that supports HTML 4.01 specification with Javascript enabled
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rev 1

2/05

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Product Specifications

Wireless *MAXg* USB Adapter

- Complies with IEEE 802.11g 54 Mbps wireless radio standard
- 100mW power output
- Supports Windows 2000, XP, 98SE, and Me

Security Features

- WPA (Wi-Fi Protected Access)
- WPA2 (Wi-Fi Protected Access) (Windows 2000 and XP only)
- 802.1x (RADIUS) authentication
- CCX 1.0
- 64/128-bit WEP (Wired Equivalent Privacy) data encryption
- Ability to disable wireless radio

Acknowledgements

This product includes software developed by MDC and its licensors. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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U.S. Robotics Corporation Two (2) Year Limited Warranty

1.0 GENERAL TERMS:

1.1 This Limited Warranty is extended only to the original end-user purchaser (CUSTOMER) and is not transferable.

1.2 No agent, reseller, or business partner of U.S. Robotics Corporation (U.S. ROBOTICS) is authorized to modify the terms of this Limited Warranty on behalf of U.S. ROBOTICS.

1.3 This Limited Warranty expressly excludes any product that has not been purchased as new from U.S. ROBOTICS or its authorized reseller.

1.4 This Limited Warranty is only applicable in the country or territory where the product is intended for use (As indicated by the Product Model Number and any local telecommunication approval stickers affixed to the product).

1.5 U.S. ROBOTICS warrants to the CUSTOMER that this product will be free from defects in workmanship and materials, under normal use and service, for TWO (2) YEARS from the date of purchase from U.S. ROBOTICS or its authorised reseller.

1.6 U.S. ROBOTICS sole obligation under this warranty shall be, at U.S. ROBOTICS sole discretion, to repair the defective product or part with new or reconditioned parts; or to exchange the defective product or part with a new or reconditioned product or part that is the same or similar; or if neither of the two foregoing options is reasonably available, U.S. ROBOTICS may, at its sole discretion, provide a refund to the CUSTOMER not to exceed the latest published U.S. ROBOTICS recommended retail purchase price of the product, less any applicable service fees. All products or parts that are exchanged for replacement will become the property of U.S. ROBOTICS.

1.7 U.S. ROBOTICS warrants any replacement product or part for NINETY (90) DAYS from the date the product or part is shipped to Customer.

1.8 U.S. ROBOTICS makes no warranty or representation that this product will meet CUSTOMER requirements or work in combination with any hardware or software products provided by third parties.

1.9 U.S. ROBOTICS makes no warranty or representation that the operation of the software products provided with this product will be uninterrupted or error free, or that all defects in software products will be corrected.

1.10 U.S. ROBOTICS shall not be responsible for any software or other CUSTOMER data or information contained in or stored on this product.

2.0 CUSTOMER OBLIGATIONS:

2.1 CUSTOMER assumes full responsibility that this product meets CUSTOMER specifications and requirements.

2.2 CUSTOMER is specifically advised to make a backup copy of all software provided with this product.

2.3 CUSTOMER assumes full responsibility to properly install and configure this product and to ensure proper installation, configuration, operation and compatibility with the operating environment in which this product is to function.

2.4 CUSTOMER must furnish U.S. ROBOTICS a dated Proof of Purchase (copy of original purchase receipt from U.S. ROBOTICS or its authorised reseller) for any warranty claims to be authorised.

3.0 OBTAINING WARRANTY SERVICE:

3.1 CUSTOMER must contact U.S. ROBOTICS Technical Support or an authorised U.S. ROBOTICS Service Centre within the applicable warranty period to obtain warranty service authorisation.

3.2 Customer must provide Product Model Number, Product Serial Number and dated Proof of Purchase (copy of original purchase receipt from U.S. ROBOTICS or its authorised reseller) to obtain warranty service authorisation.

3.3 For information on how to contact U.S. ROBOTICS Technical Support or an authorised U.S. ROBOTICS Service Centre, please see the U.S ROBOTICS corporate Web site at: www.usr.com

3.4 CUSTOMER should have the following information / items readily available when contacting U.S. ROBOTICS Technical Support:

- Product Model Number
- Product Serial Number
- Dated Proof of Purchase
- CUSTOMER contact name & telephone number
- CUSTOMER Computer Operating System version
- U.S. ROBOTICS Installation CD-ROM
- U.S. ROBOTICS Installation Guide

4.0 WARRANTY REPLACEMENT:

4.1 In the event U.S. ROBOTICS Technical Support or its authorised U.S. ROBOTICS Service Centre determines the product or part has a malfunction or failure attributable directly to faulty workmanship and/or materials; and the product is within the TWO (2) YEAR warranty term; and the CUSTOMER will include a copy of the dated Proof of Purchase (original purchase receipt from U.S. ROBOTICS or its authorised reseller) with the product or part with the returned product or part, then U.S. ROBOTICS will issue CUSTOMER a Return Material Authorisation (RMA) and instructions for the return of the product to the authorised U.S. ROBOTICS Drop Zone.

4.2 Any product or part returned to U.S. ROBOTICS without an RMA issued by U.S. ROBOTICS or its authorised U.S. ROBOTICS Service Centre will be returned.

4.3 CUSTOMER agrees to pay shipping charges to return the product or part to the authorised U.S. ROBOTICS Return Centre; to insure the product or assume the risk of loss or damage which may occur in transit; and to use a shipping container equivalent to the original packaging.

4.4 Responsibility for loss or damage does not transfer to U.S. ROBOTICS until the returned product or part is received as an authorised return at an authorised U.S. ROBOTICS Return Centre.

4.5 Authorised CUSTOMER returns will be unpacked, visually inspected, and matched to the Product Model Number and Product Serial Number for which the RMA was authorised. The enclosed Proof of Purchase will be inspected for date of purchase and place of purchase. U.S. ROBOTICS may deny warranty service if visual inspection of the returned product or part does not match the CUSTOMER supplied information for which the RMA was issued.

4.6 Once a CUSTOMER return has been unpacked, visually inspected, and tested U.S. ROBOTICS will, at its sole discretion, repair or replace, using new or reconditioned product or parts, to whatever extent it deems necessary to restore the product or part to operating condition.

4.7 U.S. ROBOTICS will make reasonable effort to ship repaired or replaced product or part to CUSTOMER, at U.S. ROBOTICS expense, not later than TWENTY ONE (21) DAYS after U.S. ROBOTICS receives the authorised CUSTOMER return at an authorised U.S. ROBOTICS Return Centre.

4.8 U.S. ROBOTICS shall not be liable for any damages caused by delay in delivering or furnishing repaired or replaced product or part.

5.0 LIMITATIONS:

5.1 THIRD-PARTY SOFTWARE: This U.S. ROBOTICS product may include or be bundled with third-party software, the use of which is governed by separate end-user license agreements provided by third-party software vendors. This U.S. ROBOTICS Limited Warranty does not apply to such third-party software. For the applicable warranty refer to the end-user license agreement governing the use of such software.

5.2 DAMAGE DUE TO MISUSE, NEGLIGENCE, NON-COMPLIANCE, IMPROPER INSTALLATION, AND/OR ENVIRONMENTAL FACTORS: To the extent permitted by applicable law, this U.S. ROBOTICS Limited Warranty does not apply to normal wear and tear; damage or loss of data due to interoperability with current and/or future versions of operating system or other current and/or future software and hardware; alterations (by persons other than U.S. ROBOTICS or authorised U.S. ROBOTICS

Service Centres); damage caused by operator error or non-compliance with instructions as set out in the user documentation or other accompanying documentation; damage caused by acts of nature such as lightning, storms, floods, fires, and earthquakes, etc. Products evidencing the product serial number has been tampered with or removed; misuse, neglect, and improper handling; damage caused by undue physical, temperature, or electrical stress; counterfeit products; damage or loss of data caused by a computer virus, worm, Trojan horse, or memory content corruption; failures of the product which result from accident, abuse, misuse (including but not limited to improper installation, connection to incorrect voltages, and power points); failures caused by products not supplied by U.S. ROBOTICS; damage caused by moisture, corrosive environments, high voltage surges, shipping, abnormal working conditions; or the use of the product outside the borders of the country or territory intended for use (As indicated by the Product Model Number and any local telecommunication approval stickers affixed to the product).

5.3 TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. U.S. ROBOTICS NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, WARRANTY, OR USE OF ITS PRODUCTS.

5.4 LIMITATION OF LIABILITY. TO THE FULL EXTENT ALLOWED BY LAW, U.S. ROBOTICS ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF U.S. ROBOTICS OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT U.S. ROBOTICS OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

6.0 DISCLAIMER:

Some countries, states, territories or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to CUSTOMER. When the implied warranties are not allowed by law to be excluded in their entirety, they will be limited to the TWO (2) YEAR duration of this written warranty. This warranty gives CUSTOMER specific legal rights, which may vary depending on local law.

7.0 GOVERNING LAW:

This Limited Warranty shall be governed by the laws of the State of Illinois, U.S.A. excluding its conflicts of laws principles and excluding the United Nations Convention on Contracts for the International Sale of Goods.

U.S. Robotics Corporation
935 National Parkway
Schaumburg, IL, 60173
U.S.A

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Regulatory Information

FCC Declaration of Conformity

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

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. If this equipment is not installed and used in accordance with the manufacturer's instructions, it 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 to an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

USR declared that USR5421 are limited in CH1 ~11 from 2400 to 2483.5 MHz by specified firmware controlled in USA.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

USR5421: End users must follow the specific operating instructions for satisfying RF exposure compliance. This equipment has been SAR-evaluated for use in laptops (notebooks) with side slot configuration.

FCC Radiation Exposure Statement

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

UL Listing/CUL Listing

This information technology equipment is UL Listed and C-UL Listed for both the US and Canadian markets respectively for the uses described in the User Guide.

Industry Canada Statement

This equipment complies with the Industry Canada Spectrum Management and Telecommunications policy, RSS-210, standard Low Power License-Exempt Radio Communication Devices.

Operation is subject to the following two conditions:

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

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject for licensing.

CE0560 CE Declaration of Conformity

We, U.S. Robotics Corporation of 935 National Parkway, Schaumburg, Illinois, 60173-5157, USA, declare under our sole responsibility that the U.S. Robotics USB5421 Wireless *MAXg* USB Adapter to which this declaration relates is in conformity with the following standards and/or other normative documents:

EN300 328-2

EN301 489-1

EN301 489-17

EN50371

EN60950

This equipment is in compliance with the European recommendation 1999/519/ECC, governing the exposure to the electromagnetic radiation.

We, U.S. Robotics Corporation, hereby declare that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

This product can be used in the following countries:

Germany, Austria, Belgium, Switzerland, Netherlands, Luxembourg, Italy, France, UK, Ireland, Spain, Portugal, Sweden, Norway, Denmark, Finland, Czech Republic, Poland, Hungary, and Greece

Regarding IEEE 802.11g we currently have the following information about restrictions in the R&TTE countries:

Country	Frequency band	Output power
France	2454-2483.5 MHz	10 mW EIRP outdoor

Regulatory Channel Frequency

Channel	Frequency (MHz)	FCC	Canada	ETSI
1	2412	X	X	X
2	2417	X	X	X
3	2422	X	X	X
4	2427	X	X	X
5	2432	X	X	X
6	2437	X	X	X
7	2442	X	X	X
8	2447	X	X	X
9	2452	X	X	X
10	2457	X	X	X
11	2462	X	X	X
12	2467			X
13	2472			X
14	2484			

EU Health Protection

This device complies with the European requirements governing exposure to electromagnetic radiation. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This wireless device is a transmitter/receiver and has been designed and manufactured to comply with the exposure limits recommended by the Council of the European Union and the International Commission on Non-Ionizing Radiation Protection (ICNIRP, 1999) for the entire population. The exposure standard for portable equipment uses the "Specific Absorption Rate" as unit of measure. The maximum SAR value of the USR5421 Wireless MAXg USB Adapter measured in the conformity test is X.XX W/kg.

Operating Channels:	<ul style="list-style-type: none">▪ IEEE 802.11g compliant▪ 11 channels (US, Canada)▪ 13 channels (ETSI)
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Go to www.usr.com to see the most recent channel restriction information.

Manufacturer's Disclaimer Statement

The information in this document is subject to change without notice and does not represent a commitment on the part of the vendor. No warranty or representation, either expressed or implied, is made with respect to the quality, accuracy, or fitness for any particular purpose of this document. The manufacturer reserves the right to make changes to the content of this document and/or the products associated with it at any time without obligation to notify any person or organization of such changes. In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages.



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[USB Adapter/Router](#) USB Adapter

Installing JUST the Wireless MAXg USB Adapter

During the Installation procedure, you may be prompted for your Windows Operating system CD-ROM. Make sure you have it available in case you need it.

For the most updated information, visit: <http://www.usr.com/support>

Be sure to find out what letter your CD-ROM drive uses before you begin installing your new product. You will need to know this to properly install your software.

Step One: Install the Wireless MAXg USB Adapter and drivers

- A. Insert the USB Adapter Installation CD-ROM into the CD-ROM drive of the computer you are installing the USB Adapter in. The Installation CD Graphical User Interface (GUI) will appear on your screen. If prompted, select your preferred language.

Note: If your CD-ROM does not automatically launch, click Windows **Start**, **Run**, type **D:\setup** (if your CD-ROM drive uses a different letter, type that letter in place of "D"), and click **OK**.

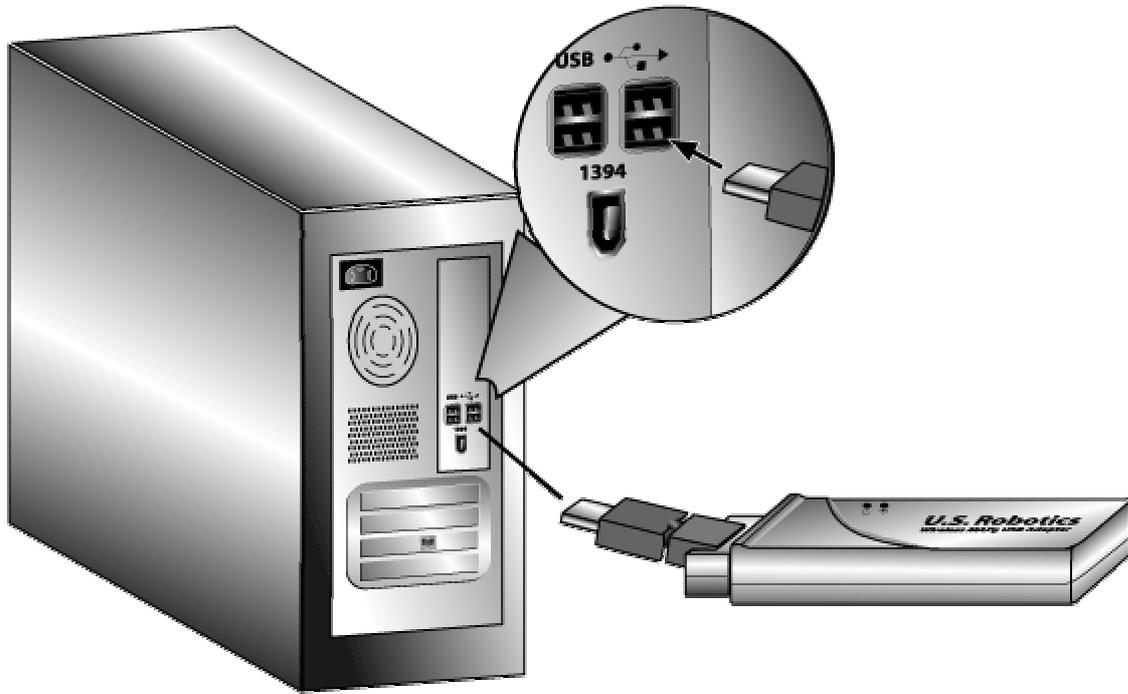
- B. Click **Installation**.

Note: You may receive a "Digital Signature Not Found" or "Windows Logo testing" screen. Click **Yes** or **Continue Anyway**. U.S. Robotics has thoroughly tested this driver in conjunction with the supported hardware and has verified compatibility with Windows 2000, Me, and XP. Because U.S. Robotics wants its customers to take full advantage of the network card's functionality, it has made the drivers available.

- C. Follow the on-screen instructions.

Note: You will need to install this Installation CD-ROM on all the PCs on which you plan to install Wireless MAXg USB Adapters.

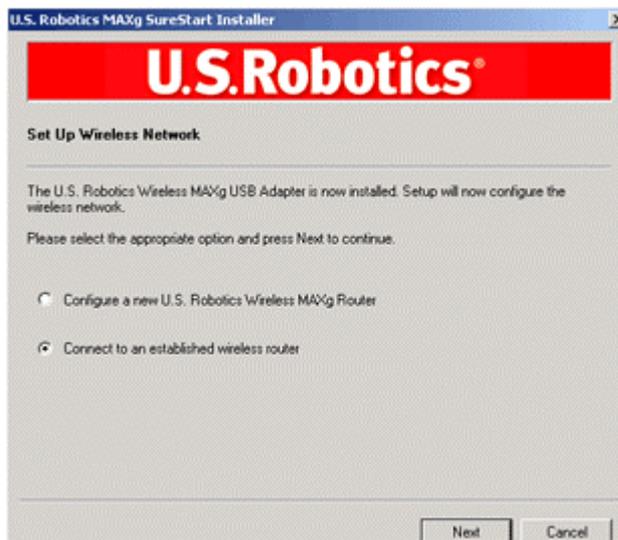
- D. When prompted, locate an available USB port and fully insert the Wireless MAXg USB Adapter.



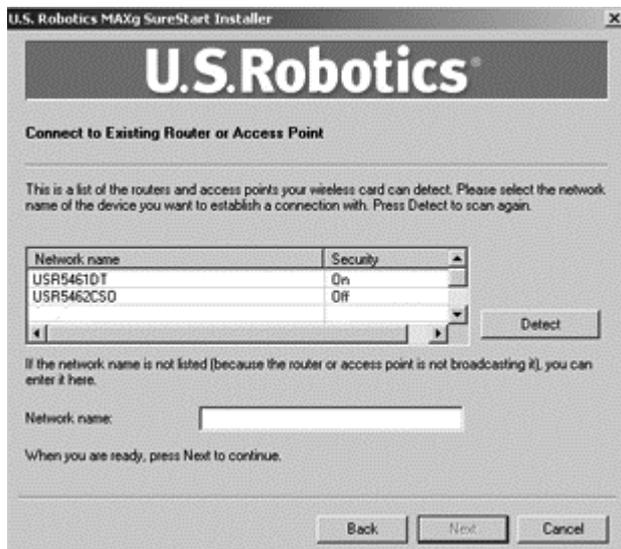
E. When prompted, click **Restart** to restart your computer.

Step Two: Connect to a Wireless Network

A. After your computer restarts and you are prompted, select **Connect to an established wireless router** and click **Next**. You will need to wait while the Wireless *MAXg* USB Adapter looks for available wireless networks.



B. A list of available wireless networks will appear on the "Connect to Existing Router or Access Point" screen.



C. Select the appropriate wireless network and click **Next**.

Note: If the wireless network device does not appear in the list, you can enter the name of the network under **Network name**. One reason the wireless network device may not appear is if Broadcast Network name is disabled in your wireless router or access point. You can also click **Detect** and your Wireless *MAXg* USB Adapter will search the area again for available wireless networking devices.

D. Configuration information for that network will appear. If the network specified is not secure, the "Installation Complete" screen will appear. Click **Finish**. If you have specific security settings enabled on the wireless network to which you will be connecting, such as WEP or WPA2, you will need to select your security type and click **Next**. Enter the appropriate security information on the next screen and click **Next**.

E. Click **Finish**. If prompted when the setup is complete, restart your computer.

Congratulations!

You have finished installing your product! The Wireless *MAXg* USB Adapter should be connected to the wireless network that you selected.

If you experience any problems connecting to a wireless network, refer to the Troubleshooting section in this guide for more information.

Open the Configuration Utility

You should now see a small icon for the Configuration Utility in the system tray by your clock on your computer desktop. You can open the Configuration Utility in two ways:

- Right-click the icon and click **Open Utility**.

- Left-click once on the Utility icon to open the quick connect screen. In the quick connect screen, you can select an available network and enter the Network key, if applicable. Click **Connect** to establish a wireless connection. You can also click **Advanced** to open the full Configuration Utility.



The Configuration Utility is used to change or verify the configuration information that relates to your Wireless *MAXg* USB Adapter. The Configuration Utility icon will be colored to indicate the status of your wireless network: red for disconnected and green for connected with good quality.

Register your product

Register your product online at <http://www.usr.com/productreg>

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Introduction to the Configuration Utility

The Configuration Utility can be used to change the settings of the Wireless *MAXg* USB Adapter. In this area of the User Guide you can read about the different ways to open the Configuration Utility, how to create a wireless connection, and a brief overview of the areas within the Configuration Utility.

Open the Configuration Utility

After the product is installed, you should see a small icon for the Configuration Utility in the system tray by your clock on your computer desktop. There are a few ways to access the Configuration Utility and create a wireless connection.



- Right-click the Utility icon and click **Open Utility**.
- Left-click once on the Utility icon to open the quick connect screen. In the quick connect screen, you can select an available network and enter the Network key, if applicable. Click **Connect** to establish a wireless connection. You can also click **Advanced** to open the full Configuration Utility.

The Utility icon will be colored to indicate the status of your wireless network: red for disconnected and green for connected with good quality.

For more detailed information regarding the different areas of the Configuration Utility, click **Help** within the Configuration Utility.

Creating a Wireless Connection

There are two methods you can use to create a wireless connection.

Using the Quick Connect screen

1. Left-click once on the Utility icon to open the Quick Connect screen.
2. Select a wireless network device in the Available networks screen.
3. If security is enabled for the specified wireless network device, enter the **Network key** and click **Connect**. If security is not enabled for the specified wireless network device, select the checkbox for **Allow me to connect to the selected wireless network, even though it is not secure** and then click **Connect**.
4. You should now be connected to the specified wireless network device. If you experience any problems creating a connection, click **Advanced** to access the Configuration Utility.

Using the Configuration Utility

1. Either right-click the Utility icon in the system tray and select **Open Utility** or left-click the Utility icon once and then click **Advanced**.
2. In the Wireless Networks screen, browse through the list of available wireless network devices. When you locate the correct device, select it and then click **Configure**. If you do not see the correct device, click **Refresh** to update the list. If the correct device still does not appear, click **Add** under the Preferred networks section and manually enter the appropriate information to create the entry.
3. When the Properties window appears, enter the appropriate connection and security information for the wireless network device, if applicable, and click **OK**.
4. On the main screen, click **Apply** and a connection will be established. If a connection is not established, select the device in the Preferred networks list and click **Properties**. Verify the information for the wireless network device is correct, click **OK**, and then click **Apply**.

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[Wireless Connection](#) Utility Overview

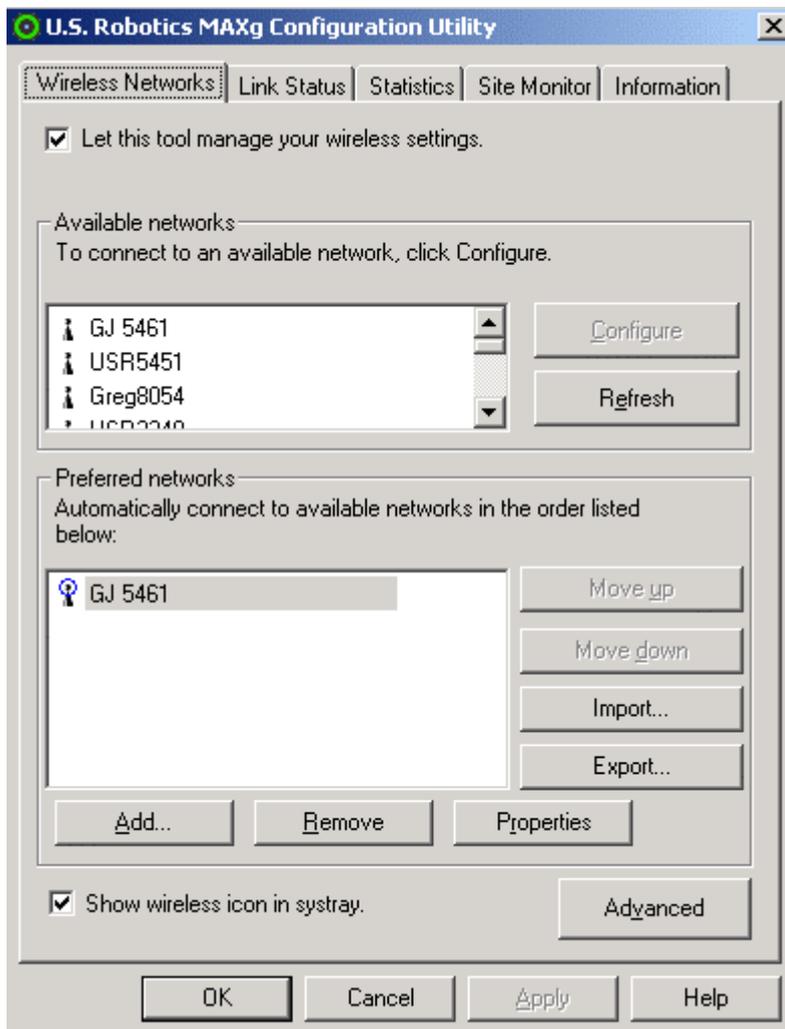
Overview of the Configuration Utility

In the Configuration Utility, you can create and edit the settings for wireless connections, view the information regarding your Wireless *MAXg* USB Adapter, and perform diagnostic tests on your device.

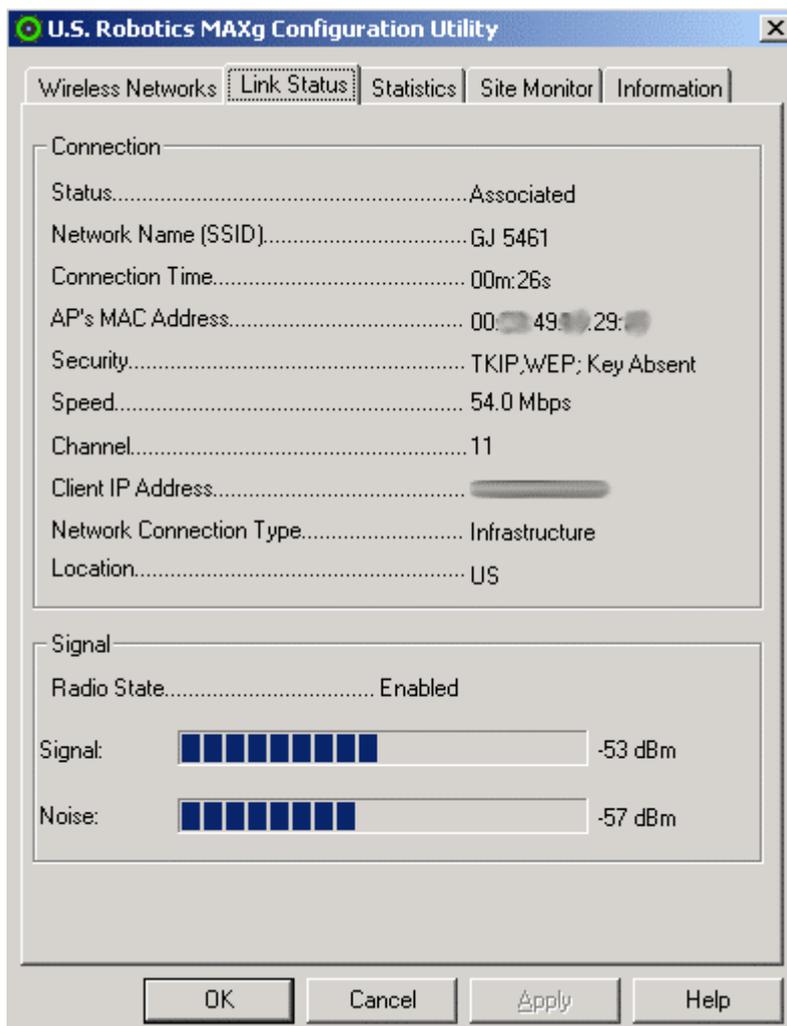
For more detailed information regarding the different areas of the Configuration Utility, click **Help** within the Configuration Utility.

Note: Depending on your version of Windows, the Configuration Utility may look slightly different.

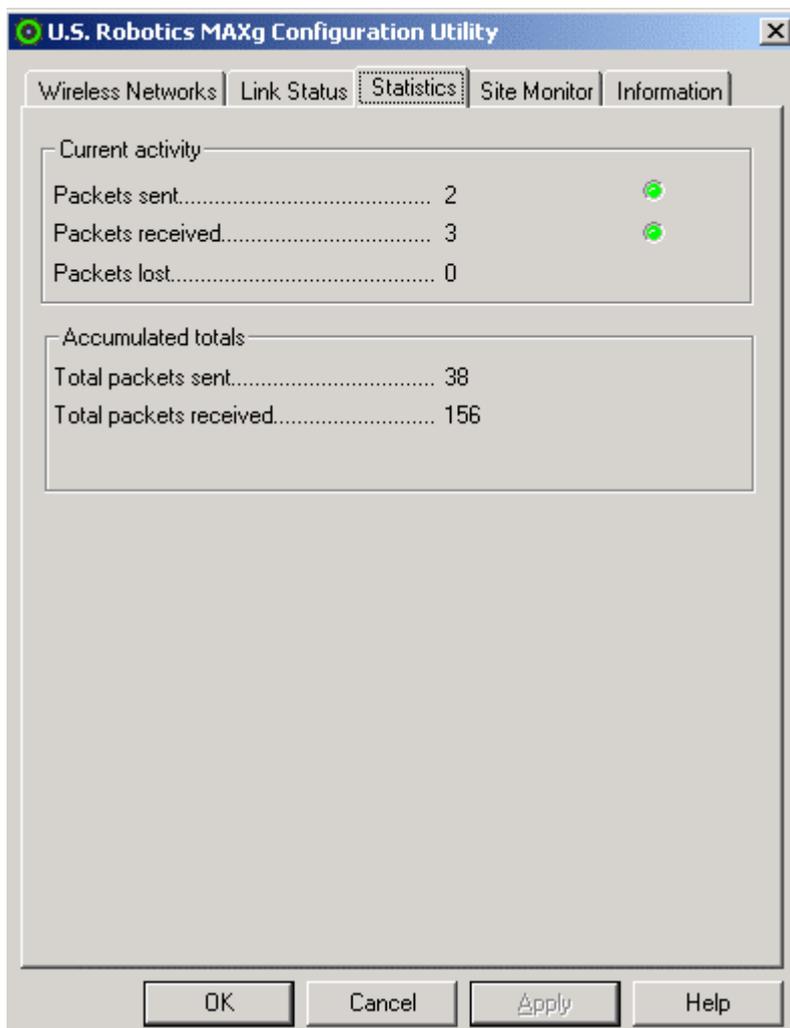
In the **Wireless Networks** area, you can locate available wireless network devices and create connections. You can also create new entries for wireless network devices if they do not appear in the list.



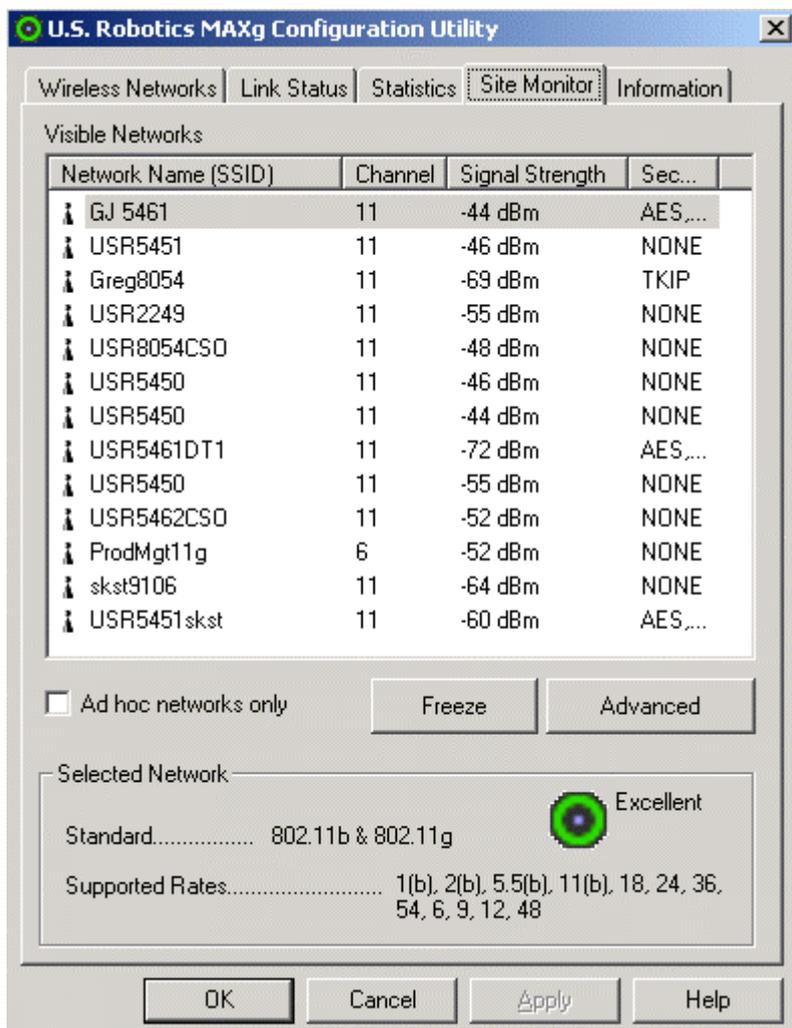
In the **Link Status** area, information regarding your current wireless connection is displayed.



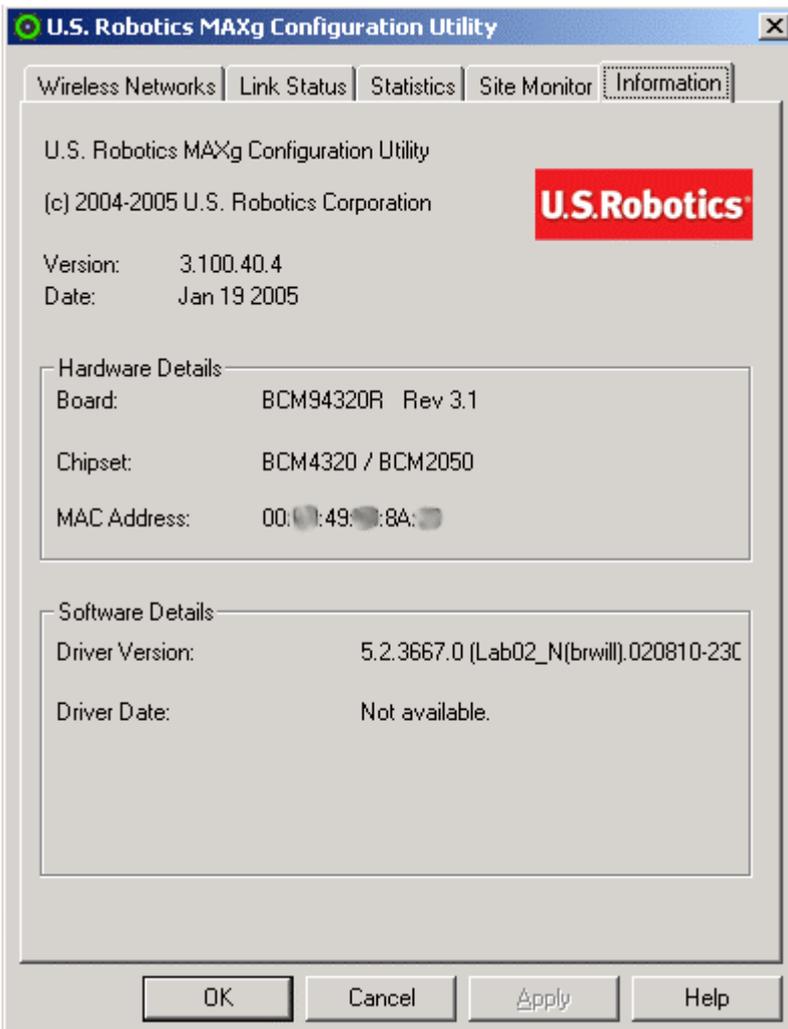
In **Statistics**, you can view the results regarding network traffic over your wireless connection.



In **Site Monitor**, you can see the wireless network devices that your Wireless *MAXg* USB Adapter could connect to. If you want to connect to a device that you see in this list, go to the Wireless Networks area.



In the **Information** area, you can view the version information for your Wireless *MAXg* USB Adapter.



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 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 of the following measures:

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

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

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This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

USR declared that USR5411 is limited in CH1~11 from 2400 to 2483.5 MHz by specified firmware controlled in USA.

This equipment has been SAR-evaluated for use in laptops (notebooks) with side slot configuration.

Industry Canada Statement

Operation is subject to the following two conditions:

- 1) this device may not cause interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding.
Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.