


802.11g Wireless Turbo Multi-function Access Point Quick Installation Guide

Package Contents:

- 802.11g Wireless Turbo Multi-function Access Point
- 5VDC power supply
- Installation CD-ROM
- Two (2) detachable antennas
- Quick Installation Guide

 **Note:** For the most updated information, visit: <http://www.usr.com/support> You can also refer to the User Guide on the U.S. Robotics Installation CD-ROM for more detailed information.



Front View

1. **PWR LED:** The red PWR LED stays lighted to indicate the system is functioning properly and flashes during the self-test on startup.
2. **TX/RX LED:** The TX/RX LED is lighted amber when the wireless system is ready and blinks when traffic is being processed.
3. **WARN LED:** This LED slowly blinks green when an unauthorized user attempts to use the 802.11g Wireless Turbo Multi-function Access Point, and rapidly blinks green when a firmware download is in progress.




Back View

1. **RESET Button:** Press in and hold the RESET button for between five and ten seconds. This will reset the 802.11g Wireless Turbo Multi-function Access Point to the factory default settings.
2. **LAN port:** The LAN port is used to connect Ethernet devices to the 802.11g Wireless Turbo Multi-function Access Point.
3. **COM port:** An RS-232 cable can be connected to the Access Point to configure the settings over a Telnet connection.
4. **5VDC:** This connection port is for the power supply of the 802.11g Wireless Turbo Multi-function Access Point.
6. **Antenna Ports:** These connection ports are reverse polarity, SMA male connectors.

Prepare for installation

Turn on your desktop or laptop computer. Type your password if you are prompted to do so.

 **Note:** Your product number is USR5450. It is very important that you have your serial number written down before you install the 802.11g Wireless Turbo Multi-function Access Point. You can find your serial number on the bottom of the Wireless Access Point and on the side of the package. If you ever need to call our Technical Support department, you will need this number to receive assistance.

Product Number	Serial Number
USR5450	

part number R24.0456.00
Printed in Taiwan



Note: 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.

1 Install your software



Note: You will need to install this software on all the PCs or laptops you plan to use to configure the 802.11g Wireless Turbo Multi-function Access Point.

Insert your U.S. Robotics Installation CD-ROM into your CD-ROM drive.



Note: If your CD-ROM does not automatically launch, click Windows **Start**, **Run**, and type **D:\setup** (or the appropriate letter of your CD-ROM drive) and click **OK**.

The Installation CD Graphic User Interface (GUI) will appear on your screen. If prompted, select your preferred language.

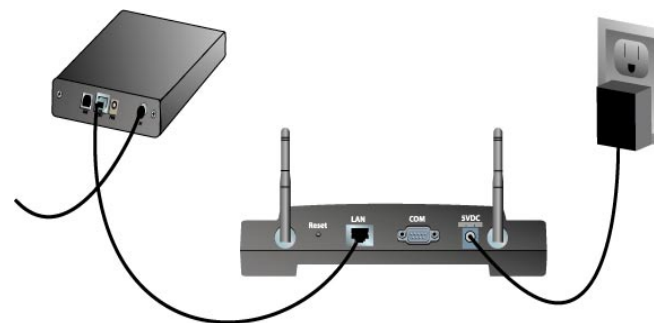
Some files will be copied to your system, and then you will be asked to read the license agreement. Read the agreement and click **Yes**. Select your product and then click **Software**.

Click **Access Point Software**. Follow the on-screen instructions and wait for some files to be copied to your hard drive. A window will appear showing you the files that are being loaded onto your system. When the Menu screen of the U.S. Robotics Installation CD-ROM returns, close it.

Remove the Installation CD-ROM and prepare to install your hardware.

2 Connect the 802.11g Wireless Turbo Multi-function Access Point

- Use the Ethernet port and an RJ-45 cable to connect the 802.11g Wireless Turbo Multi-function Access Point to one of the following devices: a cable or DSL modem with routing capabilities, a hub, a bridge, an existing Ethernet LAN, or a router.
- Attach both antennas to the 802.11g Wireless Turbo Multi-function Access Point.
- Attach the power supply to the Wireless Access Point and to a power outlet.



The Wireless Access Point has three LED status indicators: PWR, TX/RX, and WARN. When the Wireless Access Point is plugged in, the PWR LED will be illuminated. When a network connection is established, the TX/RX LED will be illuminated. If an unauthorized user attempts to use the 802.11g Wireless Turbo Multi-function Access Point, the WARN LED will be illuminated.

3

Verify detection of the 54 Mbps Wireless Access Point

After the Wireless Access Point is installed, double-click the icon for the Configuration Utility on your desktop. If the 802.11g Wireless Turbo Multi-function Access Point is located, the configuration information will be displayed.



Note: It is recommended that the 802.11g Wireless Turbo Multi-function Access Point is always configured via an Ethernet connection. This will ensure the configuration changes are made without modifying the properties of any wireless cards in your network.

To verify that you are connecting to the correct Wireless Access Point, check the MAC address. The MAC address is located on the bottom of the 802.11g Wireless Turbo Multi-function Access Point case and in the Link Information option of the Configuration Utility.

When you have identified the correct Wireless Access Point, note the IP address that is listed. Launch a Web browser on the computer that is physically connected to the 802.11g Wireless Turbo Multi-function Access Point. Enter the IP address for your Wireless Access Point. This will open the Web Configuration Utility. The default user name is **admin**. There is no default password.

When the Web Configuration Utility launches, you can change the information about your wireless network. For more information about both Configuration Utilities for the 802.11g Wireless Turbo Multi-function Access Point, refer to the User Guide on the Installation CD-ROM.



Note: If you need to reset the Wireless Access Point at any time, perform the following steps. Press in and hold the RESET button for between five and ten seconds. This will reset the 802.11g Wireless Turbo Multi-function Access Point to the factory default settings.



Warning: If you reset the Wireless Access Point, you will lose your custom settings.

Congratulations! You have finished installing your hardware and the necessary software. You should now be able to connect your Wireless Access PC Cards and PCI Adapters to the Wireless Access Point.

For troubleshooting and technical support information, refer to the other side of this Guide or to the User Guide on the U.S. Robotics Installation CD-ROM.



Register your product

- At the Installation CD-ROM interface, click the **Support** link. Click **Registration and Warranty** and then click <http://www.usr.com/productreg> If the Installation CD-ROM interface does not run automatically, click Windows **Start** and then click **Run**. In the "Run" dialog box, type **D:\setup.exe**. If your CD-ROM drive uses a different letter, type that letter in place of "D."

- Or register your product online at <http://www.usr.com/productreg>

Troubleshooting

My AP Configuration Utility does not recognise the 802.11g Wireless Turbo Multi-function Access Point after I changed the settings.

Possible Solution:

Ensure that the AP Configuration utility is installed for your 802.11g Wireless Turbo Multi-function Access Point and that the WLAN Configuration utility is installed and functioning for your Wireless PC Cards or PCI Adapters.

Possible Solution:

Ensure that you are attempting to contact the correct 802.11g Wireless Turbo Multi-function Access Point by verifying the MAC address.

Possible Solution:

Ensure that the correct Authentication Mode and WEP Encryption key are being used. If you changed the settings in the configuration of the 802.11g Wireless Turbo Multi-function Access Point, you must also change the settings of every Wireless Access PC Card or PCI Adapter attached to this network. The settings of the Wireless Access PC Cards or PCI Adapters must match the new settings of the 802.11g Wireless Turbo Multi-function Access Point. If you are still experiencing difficulties, reset all of your Wireless Access Points and wireless network adapters to the default settings and try again.

Possible Solution:

Try using a direct Ethernet connection to ensure communication with the 802.11g Wireless Turbo Multi-function Access Point

I am unable to communicate with the 802.11g Wireless Turbo Multi-function Access Point.

Possible Solution:

Be sure that each Wireless PC Card or PCI Adapter that you want to connect to the wireless network is set to Infrastructure mode within the Configuration Utility. If your Wireless Access PC Cards or PCI Adapters are not set to Infrastructure mode, they will not be able to communicate with the 802.11g Wireless Turbo Multi-function Access Point.

Possible Solution:

Your 802.11g Wireless Turbo Multi-function Access Point may not be responding. Try resetting the 802.11g Wireless Turbo Multi-function Access Point to reactivate it. Press in and hold the RESET button for between five and ten seconds. This will reset the Wireless Turbo Access Point & Router to the factory default settings.

Possible Solution:

Your 802.11g Wireless Turbo Multi-function Access Point may not have received a valid IP address for your network. If the IP address is set to Dynamic and the IP address is o.o.o.o, a valid IP address was not dynamically assigned. Refer to the “54 Mbps Wireless Configuration Utilities” chapter in the User Guide on the Installation CD-ROM.

I am unable to enter the 802.11g Wireless Turbo Multi-function Access Point Web Configurator.

Possible Solution:

Be sure that the 802.11g Wireless Turbo Multi-function Access Point has a valid IP address and is on the same network as your computer.

My 802.11g Wireless Turbo Multi-function Access Point is not appearing in the list when I scan for it.

Possible Solution:

You may be on a computer that is physically too far away from the 802.11g Wireless Turbo Multi-function Access Point. Try moving closer to the 802.11g Wireless Turbo Multi-function Access Point and repeating the scan procedure. Check any physical connections between the 802.11g Wireless Turbo Multi-function Access Point and your modem, router, hub, LAN, or switch.

My computer is not acknowledging my 802.11g Wireless Turbo Multi-function Access Point.

Possible Solution:

Be certain that the 802.11g Wireless Turbo Multi-function Access Point is plugged into a power source and is properly installed. Make sure the Ethernet cable is securely connected to the Ethernet port on the 802.11g Wireless Turbo Multi-function Access Point and to the Ethernet port on your cable or DSL modem, router, hub, or switch.

I am experiencing poor link quality in some areas of my home or office.

Possible Solution:

You might be encountering interference from walls or other structures that is lowering your link quality. Try placing your 802.11g Wireless Turbo Multi-function Access Point at a higher location, such as a higher shelf, or repositioning it in a different area of your room or office.

I accidentally clicked Cancel during the installation procedure.

Possible Solution:

Remove and reinsert the U.S. Robotics Installation CD-ROM into your CD-ROM drive. Repeat the installation procedure of the software before you install any hardware.

The installation procedure did not begin when I inserted the Installation CD-ROM.

Possible Solution:

Some programs may keep the autolaunch feature of the Installation CD-ROM from beginning. Close any open applications and reinsert the Installation CD-ROM.

The 802.11g Wireless Turbo Multi-function Access Point is not receiving any power.

Possible Solution:

Make sure the power supply of the 802.11g Wireless Turbo Multi-function Access Point is connected to the power jack on the 802.11g Wireless Turbo Multi-function Access Point and to a standard power outlet.

I received a message that my 802.11g Wireless Turbo Multi-function Access Point or my computer shares an IP address with another computer on the wireless network.

Possible Solution:

Each computer and 802.11g Wireless Turbo Multi-function Access Point on the wireless network must have a different IP address. Refer to your computer’s documentation to see how to change the IP address on your computer.

Are You Still Having Problems?

1. Go to the Support section of the U.S Robotics Web site at www.usr.com.

Many of the most common difficulties users experience have been addressed in the FAQ and Troubleshooting Web pages for your specific product. The product number for the 802.11g Wireless Turbo Multi-function Access Point is USR5450. You may need to know this to obtain information on the U.S. Robotics Web site.

2. Call the U.S. Robotics Technical Support Department

Technical questions about U.S. Robotics products can also be answered by technical support specialists.

Country	Voice	Online	Support Hours
United States	(801) 401-1143	http://www.usr.com/emailsupport	9:00 A.M. - 5:00 P.M., M-F CST
Canada	(801) 401-1143	http://www.usr.com/emailsupport	9:00 A.M. - 5:00 P.M., M-F CST

For current support contact information, go to the following web site: <http://www.usr.com>

Regulatory Approvals

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 causeundesired 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.

Detachable Antenna Information

FCC Part 15, Subpart C, Section 15.203 Antenna requirement

USR 5450 users: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

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 CUL Listed for the uses described in the users 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.

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.

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

- GENERAL TERMS:**
- This Limited Warranty is extended only to the original end-user purchaser (CUSTOMER) and is not transferable.
- No agent, reseller, or business partner of U.S. Robotics Corporation (U.S. ROBOTICS) is authorised to modify the terms of this Limited Warranty on behalf of U.S. ROBOTICS.
- This Limited Warranty expressly excludes any product that has not been purchased as new from U.S. ROBOTICS or its authorised reseller.
- 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).
- 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.**
- 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.
- U.S. ROBOTICS warrants any replacement product or part for NINETY (90) DAYS from the date the product or part is shipped to Customer.
- 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.
- 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.
- U.S. ROBOTICS shall not be responsible for any software or other CUSTOMER data or information contained in or

stored on this product.

- CUSTOMER OBLIGATIONS**
- CUSTOMER assumes full responsibility that this product meets CUSTOMER specifications and requirements.
- CUSTOMER is specifically advised to make a backup copy of all software provided with this product.
- 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.
- 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.
- OBTAINING WARRANTY SERVICE:**
- 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.
- 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.
- 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
- 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

WARRANTY REPLACEMENT:

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 authorized U.S. ROBOTICS Drop Zone.

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.

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.

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.

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.

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.

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 authorized CUSTOMER return at an authorised U.S. ROBOTICS Return Centre.

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

LIMITATIONS

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.

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 authorized 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 cause 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).

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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.

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